PATAPSCO PROJECT

Request Item No 13.

WATER AND WATER POWER RIGHTS -- PATAPSCO PROJECT
(Request Item No. 13)
1933

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Photograph 31: Privilege No. P-15 – Wm. Clubb – Gore's Mill, Jan. 30, 1933 ..... P15-6

Photograph 32: Privilege No. P-16 – Klee Mill – J.A. Edmondson, Owner, Jan. 24, 1933 ..... P16-6

Photograph 33: Privilege No. P-17 – J. Martin – Walnut Grove Mill, Jan. 24, 1933 ..... P17-6

Photograph 34: Privilege No. P-18 – J.C. Lee – Richard's Mill, Jan. 31, 1933 ..... P18-6

Photograph 35: Privilege No. P-19 – Carrollton Milling Co. – Carrollton, Md., Jan. 24, 1933 ..... P19-6

Photograph 36: Privilege No. P-20 – Consolidated Public Utilities – Westminster, Md. – Filters, Feb. 3, 1933 ..... P20-6

Photograph 37: Privilege No. P-21 – Wm. L. Lucabough (sic) – On Cranberry Creek, Jan. 31, 1933 ..... P21-6

Photograph 38: Privilege No. P-22 – D.J. Brillhardt – Snydersburg, Md., Feb. 3, 1933 ..... P22-5

Photograph 39: Privilege No. P-23 – Krebs & Thompson – Snydersburg, Md. – Grist Mill & Cascade Dam, Feb. 3, 1933 ..... P23-6

Photograph 40: Privilege No. P-24 – G. Frederick Obrecht – Hoods Mill, Md., undated P24-8

Photograph 41: Privilege No. P-25 – Morgan Canning Co. – Morgan, Md., Nov. 17, 1933 ..... P25-9

Photograph 42: Privilege No. P-25 – Morgan Canning Co. – Morgan, Md. – Dam, Nov. 17, 1933 ..... P25-10

Photograph 43: Privilege No. P-26 – American Sifter Mills – Woodbine, Md., Nov. 17, 1933 ..... P26-10

Photograph 44: Privilege No. P-26 – American Sifter Mills – Dam, Nov. 17, 1933 ..... P26-11

Photograph 45: Privilege No. P-27 – W.D. Levy – Originally Pickett Mill – near Winfield, Md., Sept. 6, 1933 ..... P27-5

List of Tables (Charts)

Chart A: Ilchester monthly generation (K.W.H.), Ilchester monthly one-hour peak (K.W.H.), and amount of water used (cu. ft.), 1927-1932 ..... P2-21

ADVISORY ENGINEERS:
JOHN H. GREGORY,
CHAIRMAN
G. J. REQUARDT
ABEL WOLMAN
MILTON J. RUARK,
ASSOCIATE ENGINEER
AND SECRETARY

DEPARTMENT OF PUBLIC WORKS
B. L. CROZIER,
CHIEF ENGINEER
LEON SMALL,
WATER ENGINEER

PUBLIC IMPROVEMENT COMMISSION

OFFICE OF
ADVISORY ENGINEERS ON WATER SUPPLY
MUNICIPAL BUILDING
BALTIMORE

March 17, 1933.

Mr. J. S. Strohmeyer
Distribution Engineer
Bureau of Water Supply.

Dear Sir:

I am submitting herewith a report showing the results of the investigation in connection with Request Item 13, "WATER AND WATER POWER RIGHTS-PATAPSCO PROJECT".

In making this survey, the Memorandum of Questions prepared by the Advisory Engineers on Water Supply, dated May 31, 1932, and revised November 30, 1932 and February 9, 1933, was followed out, as far as possible.

For several questions, it was impossible to get the data required, due either to limited facilities or to lack of time, as some of them would have required an extensive search of original titles or grants, or else very painstaking hydraulic investigations for which we had neither the time nor the proper equipment.

The following are the type of questions referred to:

Question #7 - ~~Area~~ Amount of Water Under Privilege
(b) Granted

Question #9 - Fall or Head Under the Privilege
(b) Granted

Question #11 - Data on Mill Pond
(b) Approximate Depth
II. Available
(c) Approximate Capacity
II. Available

Relative to Question #13, "Stream Flow Data", no effort was made to obtain this data, as the information sought by the Advisory Engineers was supplied in Request Item #10, "MASS DIAGRAM-PATAPSCO RIVER". However, the Consolidated Gas Electric Light and Power Company furnished the flow of the river at their Ilchester dam, Privilege #P-2, for the years 1923 to December 1931, and these tables are included in the report of this privilege.

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LEON SMALL,
WATER ENGINEER

Question #18, "Tail Race"; in no case was it practicable to obtain the slope or discharge, as the tail races are all crude ditches close to the river.

Question #4, "Historical Data on Privilege"
(b) Changes in Ownership
(c) Information on Sales or Rentals

and Question #20, "Historical Data on Plant"
(c) Changes in Ownership and Present Owner or Lessee
(d) Information on Sales or Rentals of Plant

are identical and the answers are thus treated.

According to original instructions, no effort was made to do any work relative to Question #27, "Detailed Title Search of Privilege".

In figuring the flow of water in mill races, Kutter's formula was used: taking the average of several cross-sections to obtain area and hydraulic radius.

Francis' formula for flow over weirs was used for obtaining information of this character.

In obtaining the horse power of water wheels and the amount of water necessary to develop the rated horse power, catalogues of the various manufacturers were used. In several cases, it was necessary to write the manufacturers for this information.

Photographs have been made of all privileges investigated and are incorporated in the report.

In all, twenty-three privileges were investigated, divided as follows:

Along Patapsco River or North Branch and considered to be directly or indirectly affected by the contemplated Patapsco supply 13

Below the proposed Falls Run Site. . . 7
Above the proposed Falls Run Site. . . 6

13

ADVISORY ENGINEERS:
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OFFICE OF
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MUNICIPAL BUILDING
BALTIMORE

Along Patapsco River and its tributaries,
but above Elevation 450.0 10

Copy

In obtaining the assessment at the County Commissioner's Office for the various properties, the conclusion was reached that most of the properties were appraised at a figure much less than their actual value. For instance, the well constructed masonry buildings of the Doughnut Machine Corporation, Privilege #5, are assessed at less than ten cents per cubic foot.

The following tables show the last assessments on these properties.

ASSESSMENT ON PRIVILEGES ON PATAPSCO RIVER
AND NORTH BRANCH THAT ARE BELOW
ELEVATION 450.0

Privilege Number	Name	Below Falls Run	Above Falls Run
1	H. L. Thomas	$ 4,200.00	
2	Consolidated Gas Electric Light & Power Co.	37,305.00	
3	Bartgis Bros. Co.	56,635.00	
4	Consolidated Gas Electric Light & Power Co.	17,143.00	
5	Doughnut Machine Co.	154,350.00	
6	W. J. Dickey & Sons	265,665.00	
7	Jas. S. Gary & Son	250,078.00	
8	Cloverland Farms		$ 4,815.00
9	Melville Woolen Co.		170,180.00
10	J. L. Bollinger		8,005.00
11	T. C. Dell		640.00
12	C. F. Eckhardt		660.00
13	Asbestos-Nairn Inc.		165,160.00
		$785,376.00	$349,460.00

Total Assessments Below Falls Run . . . $785,376.00
" " Above " " . . . 349,460.00

$1,134,836.00

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LEON SMALL,
WATER ENGINEER

PUBLIC IMPROVEMENT COMMISSION

OFFICE OF

ADVISORY ENGINEERS ON WATER SUPPLY

MUNICIPAL BUILDING

BALTIMORE

ASSESSMENTS ON PRIVILEGES ON PATAPSCO RIVER AND ITS TRIBUTARIES ABOVE EL. 450.0

Privilege Number	Name	Last Assessment
14	Comet Roller Mills	$ 4,375.00
15	Le Roy E. Clubb	1,210.00
16	J. A. Edmondson, Klee Mill	2,610.00
17	J. Martin, Walnut Grove	3,500.00
18	J. C. Lee, Richards Mill	750.00
19	Abner Devilbiss, Carrollton	2,460.00
20	Consolidated Public Utilities	41,548.00
21	W. L. Lucabaugh	7,383.00
22	D. S. Brillhardt	6,280.00
23	Krebs & Thompson	2,018.00
		$72,134.00

Insist "A"

Information relative to capital of corporation was obtained from the State Tax Commission on the following privileges only:

P-3 - Bartgis Bros. Co.
P-5 - Doughnut Machine Corp.
P-6 - W. S. Dickey & Sons
P-7 - Jas. S. Gary & Sons, Inc.
P-13- Congoleum-Nairn, Inc.
P-20- Consolidated Public Utilities

Due to the unusual economic conditions, none of the mills nor factories investigated was working full time. In fact, one was closed down entirely when the plant was visited, and some of the others were working only a few days a week.

With one exception, hearty cooperation of the owners or superintendents of all privileges investigated was readily given. The Consolidated Gas Electric Light and Power Co. was exceptionally helpful, especially in furnishing us with information on power purchased by the various concerns.

Omit

Respectfully submitted,

H. S. Sturgeon

PLANT VALUATION ENGINEER.

HSS:MR

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT WATER AND WATER POWER RIGHTS — PATAPSCO PROJECT. — Request Item No 13. FILE NO. ACC. NO. FROM TO

COMPUTED BY H.S. Shryock CHECKED BY A.F. Di Domenico. DATE 19

MADE IN CONNECTION WITH WORK

INDEX

Privilege No P-1. Hezekiah L. Thomas.... Orange Grove, Md.

" No P-2. Consolidated Gas. Elect. Light & Power Co. of Balto.....Ilchester, Md.

" No P-3. Bartqis Bros. Co..... Ilchester, Md.

" No P-4. Consolidated Gas Elect. Light & Power Co. of Balto.... Ilchester, Md.

" No P-5. Continental Milling Co..... Ellicott City, Md.
(Doughnut Machine Corp.)

" No P-6. W.J. Dickey & Sons, Inc..... Oella, Md.

" No P-7. James S. Gary & Son, Inc.....Alberton, Md.

" No P-8. Cloverland Farms Dairy, Inc.....North Branch, Md.

" No P-9. Melville Woolen Co.....Oakland Mills, Md.

" No P-10. John L. Bollinger.....on Middle Run.

" No P-11. Thomas A. Dell..... On North Branch.

" No P-12. Charles F. Eckhardt..... West of Reisterstown.

" No P-13. Congoleum Nairn, Inc.....Asbestos, Md.

" No P-14 Comet Roller Mills.....On Beaver Run.

" No P-15 L.E. Clubb - Gores Mill..... West of Reisterstown.

" No P-16 J.A. Edmondson - Klee's Mill.... On Morgan Run.

- over -

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT WATER AND WATER POWER RIGHTS — PATAPSCO PROJECT — Request Item No. 13. FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

INDEX CONT.

Privilege No P-17 – J. Martin (Walnut Grove Mills) Near Sandyville, Md.

" No P-18 – J. C. Lee (Richards Mill) Near Upperco P.O., Md.

" No P-19 – Abner Devilbiss Carrollton, Md.

" No P-20 – Consolidated Public Utilities Westminster, Md.

" No P-21 – William L. Lucabaugh Cranberry Station, Md.

" No P-22 – D. J. Brillhardt Snydersburg, Md.

" No P-23 – Krebs & Thompson Snydersburg, Md.

" P-24 G. Frederick Obrecht Hoods Mill, Md.

" P-25 Morgan Canning Co Morgan, Md.

" P-26 American Sifter Mills Woodbine, Md.

" P-27 W. D. Levy (Pickett Mill) Winfield, Md.

KEY

Letter P ..... Denotes Patapsco Project

Other Letters ..... Denote Character of Privilege

C - Cotton Mills
F - Flour Mills
G - Grist Mills
I - Industrial
P - Power
WS - Water Supply
W - Woolen

Numerals ..... Denote Privilege Number

Denotes Principal Highways
Denotes County Boundary Lines
Denotes Water Shed Limits
Denotes 420 Contour
Red — Denotes Active Privilege
Blue — Denotes Inactive Privilege
Yellow — Denotes Ruins of Privilege

Example

P-5-F ..... Denotes Patapsco Project, Privilege No. 5, Active Flour Mill

INDEX MAP

SHOWING LOCATION OF MILLS AND DEVELOPED WATER POWER RIGHTS ALONG THE PATAPSCO RIVER, NORTH BRANCH AND ITS TRIBUTARIES

SCALE: 1 INCH = 1 MILE

DATE: FEB. 7, 1933

1 0 1 2 MILES

PREPARED FOR ADVISORY ENGINEERS ON WATER SUPPLY BY THE BUREAU OF WATER SUPPLY

Adopted 5/31/32.
Revised 11/30/32.
" 2/9/33.

Request Item 13

MEMORANDUM

WATER AND WATER-POWER RIGHTS

Location ..... Privilege No.

A. Developed Privilege

B. Inactive Privilege

C. Undeveloped Privilege
Note: Defer collection of information for time being

1. Corporate name of owner of privilege

2. Location of privilege
Note: Describe with reference to known landmarks or structures

3. Brief description of privilege

4. Historical data on privilege
(a) Dates of various acquisitions
(b) Changes in ownership
(c) Information on sales or rentals

5. Total area of watershed above privilege

6. Area of watershed used

7. Amount of water under privilege
(a) Claimed
(b) Granted

8. Amount of water used
(a) Power (Computed from Sections 22 and 23)
(b) Process (Computed from Section 25)

9. Fall or head under the privilege
(a) Claimed
(b) Granted

10. Fall or head used or developed

11. Data on Mill Pond
(a) Approximate area
(b) Approximate depth
(i) Total Available
(ii) Available
(c) Approximate capacity
(i) Total
(ii) Available

12. Supplementary storage reservoirs, if any
(a) Available capacity

13. Stream flow data
    (a) Calendar arrangement
    (b) Arranged in order of dryness
        Note: Computations to be compiled from other sources. (Request Items 9 to 12 incl.)

14. Location of dam
        Note: Describe with reference to known landmarks or structures

15. Description of dam

16. Head race or canal
    (a) Length
    (b) Cross-section
    (c) Slope
    (d) Discharge capacity
    (e) Character of construction

17. Water wheels installed
    (a) Number
    (b) Type
    (c) Name of makers
    (d) Dimensions
    (e) Rated capacity of each

18. Tail race
    (a) Length
    (b) Cross-section
    (c) Slope
    (d) Discharge capacity
    (e) Character of construction

19. Location of plant using privilege
        Note: Describe with reference to known landmarks or structures

20. Historical data on plant
    (a) Dates of original uses
    (b) Character of original uses
    (c) Changes in ownership and present owner or lessee
    (d) Information on sales or rentals of plant

21. Brief description of plant
    (a) Product
    (b) Description of manufacturing process
    (c) Industrial buildings: character, type, number, and size
    (d) Manufacturing equipment
    (e) Number of employees
    (f) Area of land incident to plant purposes

22. Water power development
    (a) Give brief description of use of water for power with average hours of use per day, opening of gates, etc. for the last five years, Number, type and size of Power Units.
    (b) Total power available
    (c) Average power used
    (d) Duration of use

23. Steam power development
    (a) Give brief description of steam power plant, if any, number and size of boilers, number, type and size of power units
    (b) Total power available
    (c) Average power used
    (d) Duration of use
    (e) Coal for power purposes
        (i) Kind of coal used
        (ii) Amount of coal used in tons per year for last five years
        (iii) Annual cost of coal for last five years
    (f) Operating force

24. Purchased power
    (a) From whom purchased
    (b) Amount purchased annually for last five years
    (c) Schedule of power rates

25. Industrial uses of water, other than for power
    (a) Character of use
    (b) Amount used for steam
    (c) Amount used for process

26. Plat showing to approximate scale -
    (a) Location of privilege, property lines, dam and appurtenant structures
    (b) Location of plant and buildings

27. Detailed title search of privilege

28. Name of investigator on each section and dates when data were obtained

*29. Tax Assessment of Privilege for the last five years (In as much detail as possible)

*Note: This paragraph adopted at the meeting of the A.E.W.S. on February 9, 1933.

P-

PRIVILEGE ~~No~~ 1.

Hezekiah L. Thomas.

Orange Grove, Md.

Request Item No. 13

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT WATER AND WATER POWER RIGHTS FILE NO.
Patapsco Project ACC. NO.
Privilege No. P-1. FROM TO
COMPUTED BY H.S. Shryock CHECKED BY A.F. Di Domenico DATE 19
MADE IN CONNECTION WITH WORK

Inactive Privilege.

LOCATION - ORANGE GROVE, MD

1- CORPORATE NAME OF OWNER OF PRIVILEGE

Hezekiah L. Thomas.

2- LOCATION OF PRIVILEGE

On both sides of the Patapsco River at Orange Grove Station, Baltimore & Ohio R.R.

3- BRIEF DESCRIPTION OF PRIVILEGE

Ruins of a large stone and brick mill on Baltimore County side of Patapsco River.
Several abandoned frame houses on Howard County side of river. These were evidently homes of employees.
No evidence of dam, which was washed away years ago, but stone abutments are still extant.

4 - HISTORICAL DATA ON PRIVILEGE

(a) Dates of various acquisitions.
April 10, 1922

(b) Changes in ownership
Hezekiah L. Thomas from Herman A. Tingley, John B. H. Dunn and Adelbert

Request Item No. 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-1 FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY a7Di 11-1433 DATE 19

MADE IN CONNECTION WITH WORK

W. Mears, trustees in bankrupcy. for C.A. Gambrill Mfg. Co.

(c) - Information on sales and rentals

None.

5- TOTAL AREA OF WATERSHED ABOVE PRIVILEGE

About five square miles less than watershed above Avalon dam = 311.4 approximately square miles.

6-13- Not applicable

14- LOCATION OF DAM.

There are no visible evidences of the dam which we learn was washed out years ago. Stone abutments still extant close to Mill.

28- NAME OF INVESTIGATOR ON EACH SECTION AND DATES WHEN DATA WERE OBTAINED.

H.S. Shryock, Plant Valuation Engineer.
A.F. Di Domenico, Assistant Plant Valuation Engineer.

Field Notes - August 16, 1932
Information on ownership - December 13, 1932.
Photograph taken :- Jan. 30, 1933.

15 - 27 - Not applicable

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-1. FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY a70i DATE 19

MADE IN CONNECTION WITH WORK

29. TAX ASSESSMENT OF PRIVILEGE.

(a) Last two Assessments in as much detail as possible.

1927:- Baltimore County
In the Name of Hezekiah Thomas.
Lot 50'x100'- W.S. B+O. R.R. Orange Grove $200 00

1927:- Howard County.
In the Name of Hezekiah Thomas.

10 Acres tillable Land @ $50 00	$500.00	
№2 - Double Tenant House	1000.00	
№3 " " "	1000.00	
№4 " " "	1000.00	
№5 " " "	500.00	4000.00

In Both Counties Total for 1927 .... $4200 00

On Jan. 3, 1933 the portion in Howard County Sold to Diamond Grit Co.

1922:- Baltimore County
In the Name of Hezekiah Thomas.
Lot and Dwelling, Orange Grove $1100.00

1922:- Howard County
In the Name of Hezekiah Thomas

10 Acres Tillable @ $50 00	$500.00	
Dwelling	3400.00	3900.00

Total for 1922 in both Counties $ 5000 00

Abatements subsequent to 1922
In Baltimore County.

1923:- On house and Lot	$500.00
1927:- On Lot	400.00
Total Abatements Since 1922	$ 900.00

Request Item No 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-1 FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY a7Di DATE 19

MADE IN CONNECTION WITH WORK

(b). The practice of Tax Assessor in determining assessments. (Percentage of Actual Valuation).

Baltimore County:
65% of Actual Value.

Howard County.
75% of Actual Value.

(c.) Sources of Information.

Baltimore County.
Court House, Towson, Md.
1927 Liber 1 - Folio 653
1922 Liber 1 - Folio 776.

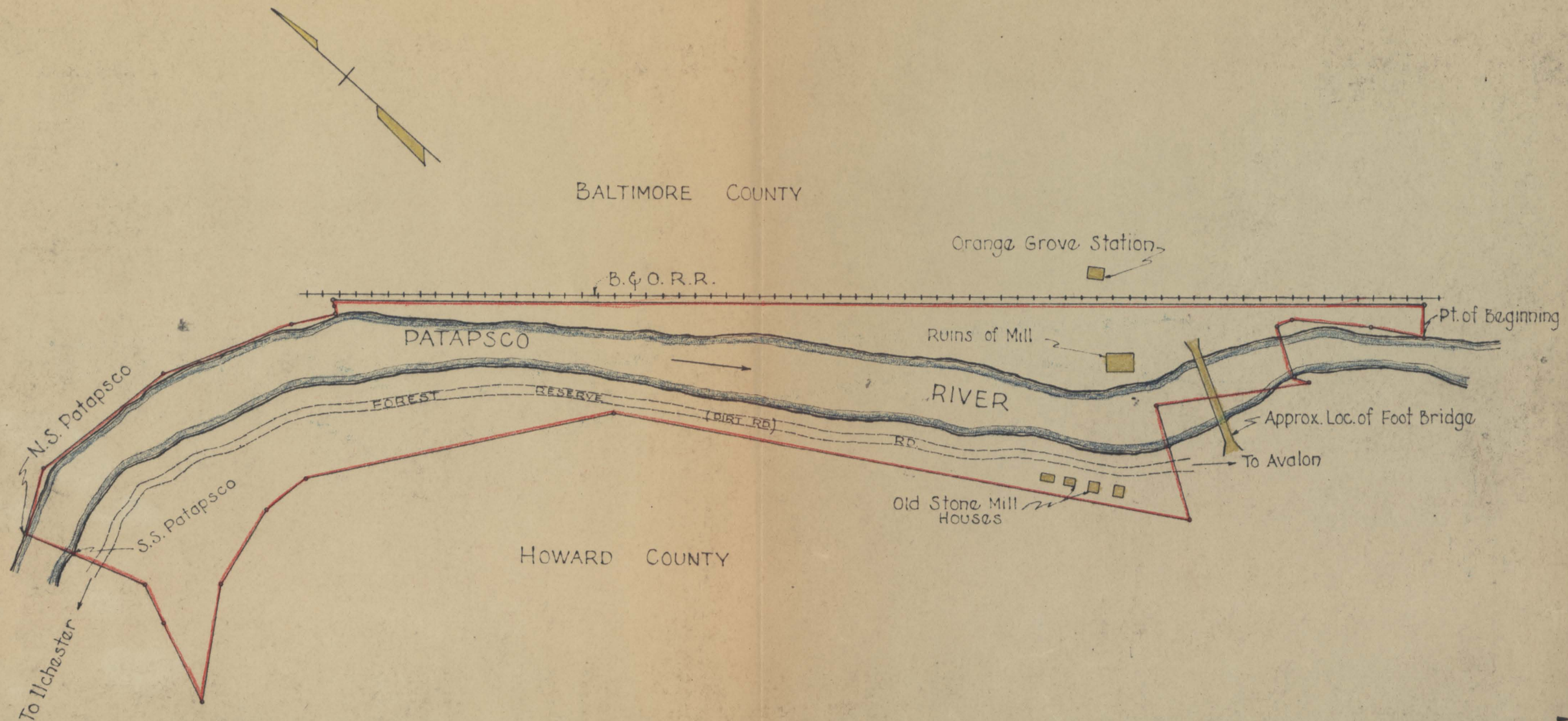
Howard County
Court House, Elicott City, Md.
1927 - Liber District No 1 - Folio 239.
1922 - Liber District No 1 - Folio 240.

(d) Dates of Obtaining Data.

Baltimore County - February 14, 1933

Howard County - February 17, 1933.

REQUEST ITEM 13
PRIVILEGE NO. P-1



PLAT SHOWING PROPERTY OF
HEZEKIAH L. THOMAS
ORANGE GROVE MD.
Scale 1" = 20 Perches

Request Item No 13.
Privilege No P-1.

HEZEKIAH L. THOMAS.
Orange Grove, Md.

P-1

H.L. Thomas, Orange Grove - Ruins of Mill

Jan. 30, 1933.

13

PRIVILEGE ~~No~~ P-2

Consolidated Gas Electric Light & Power Co. of Baltimore.

ILCHESTER, MD.

(1)

Request Item No 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT WATER AND WATER-POWER RIGHTS — FILE NO.
Patapsco Project — ACC. NO.
Privilege No P-2. — FROM — TO
COMPUTED BY H.S. Shryock — CHECKED BY A.F. Di Domenico. — DATE — 19
MADE IN CONNECTION WITH (14) — WORK

Inactive privilege

LOCATION
Ilchester, Md.

1. CORPORATE NAME OF OWNER OF PRIVILEGE.

Consolidated Gas Electric Light and Power Company of Baltimore.

2. LOCATION OF PRIVILEGE.

About four tenths of a mile along the forest Reserve Road, Howard County, east of its intersection with the Ilchester Road.

3. BRIEF DESCRIPTION OF PRIVILEGE.

A hollow dam containing a power plant for the purpose of generating electric Power.

4. HISTORICAL DATA ON PRIVILEGE.

(a) Dates of various acquisitions.

Patapsco Electric and Manufacturing Co. of Delaware on March 5, 1909 acquired 33.40 Acres from Victor G. Bloede and wife and Thos. Van Loan and wife.
Patapsco Electric and Manufacturing Co. of Maryland on December 26, 1911 acquired 4.7 Acres from Thistle Mills.

(b). Changes in Ownership.

Patapsco Electric and Manufacturing Co. of Maryland acquired 33.40 Acres from Patapsco Electric & Manufacturing Co. of Delaware on May 5, 1910.
Consolidated Gas Electric Light & Power Co. of Baltimore purchased capital stock of Patapsco Electric & Manufacturing Co. of Maryland on May 1, 1913.

Request Item No 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-2. FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY A.H.C. DATE 19

MADE IN CONNECTION WITH WORK

Consolidated Gas Electric Light & Power Co. of Baltimore acquired all property and assets of Patapsco Electric & Manufacturing Co. of Delaware and Maryland on April 4, 1928.

(c.) Information on Sales or rentals.

No Sales nor rentals.

5. TOTAL AREA OF WATERSHED ABOVE PRIVILEGE.

Five and one-half Square miles less than at Avalon Dam = 310.9 Sq. Miles. approximately

6. AREA OF WATERSHED USED.

All the above.

7. AMOUNT OF WATER UNDER PRIVILEGE.

(a.) Claimed.

All in River above dam - Sufficient for maximum development of River.
Present dam, however, floods no areas beyond their own property.

(b). Granted.

8. AMOUNT OF WATER USE.

(a.) Power.

See ~~attached chart "A"~~ Table page 30

Request Item No 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-2 FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY afli DATE 19

MADE IN CONNECTION WITH WORK

(b). Process

None.

9. FALL OR HEAD UNDER PRIVILEGE.

(a) Claimed

Full flow of river :- Maximum development.

(b) Granted

10. FALL OR HEAD USED OR DEVELOPED.

Twenty-six feet-six inches (26'-6").

11. DATA ON MILL POND.

(a.) Approximate Area.

6.06 Acres.

(b) Approximate depth.

(I) Total Availabe

25'

(II) Available.

(c) Approximate Capacity.

(I) Total

25,750,000 Gallons.

(II) Available.

(4).

Request Item No 13

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-2. FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY GRL DATE 19

MADE IN CONNECTION WITH WORK

12. SUPPLEMENTARY STORAGE RESERVOIRS, IF ANY.

(a) Available Capacity

None.

13. STREAM FLOW DATA.

see ~~Attached~~ diograms from Consolidated Gas & Electric Light and Power Co. Showing flow from 1923 to 1931 Inclusive. and included in Request Item 10

14. LOCATION OF DAM.

Four tenths of a mile east of the intersection of the Forest Reserve Road and Ilchester Road Howard County.

15. DESCRIPTION OF DAM.

A well constructed hollow type reinforced concrete dam about 40 feet at base and 26 feet high. (see attached plan).

16. HEAD RACE OR CANAL.

None.

17. WATER WHEELS INSTALLED.

(a.) Number

Two.

(b.) Type

Samson Design:- Style 19 :- Center discharge turbines.

(c.) Name of Makers.

Jas. Leffel & Co. Springfield, Ohio.

(d.) Dimensions

30 inch. Horizontal Shaft.

Request Item No 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-2. FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY afli DATE 19

MADE IN CONNECTION WITH WORK

(e). Rated Capacity of each.

540 Horse Power.

18. TAIL RACE.

None.

19. LOCATION OF PLANT USING PRIVILEGE.

Power Plant is situated inside of the hollow dam.

20. HISTORICAL DATA ON PLANT.

(a.) Dates of Original uses.

Land idle (Woods) on both sides of River prior to development.

(b). Character of Original uses.

Not in use.

(C.) Changes in Ownership and present owner or lessee.

Thos. Van Loan & Wife to Patapsco Electric & Manufacturing Co. of Delaware, March 5, 1909.
Victor Bloede & Wife to Patapsco Electric & Manufacturing Co. of Delaware, March 5, 1909.
Patapsco Electric & Manufacturing Co. of Delaware to Patapsco Electric & Manufacturing of Maryland, May 5, 1910.
Thistle Mills, Inc. to Patapsco Electric & Manufacturing Co. of Maryland, December 26, 1911.
Patapsco Electric & Manufacturing Co. of Maryland to Consolidated Gas Electric Light & Power Co. of Baltimore. (Lease May 1, 1913.
Patapsco Electric & Manufacturing Co. of Delaware and Patapsco Electric & Manufacturing Co. of Maryland to.

Request Item No 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-2. FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY afli DATE 19

MADE IN CONNECTION WITH WORK

Consolidated Gas Electric Light & Power Co. of Baltimore
April 4, 1928

(d) Information on Sales or rentals of Plant.

No Sales nor Rentals.

21. BRIEF DESCRIPTION OF PLANT.

(a) Product.

Generates electricity.

(b) Description of Manufacturing process.

Electricity is generated by means of Water wheels and generators.

(C.) Industrial Buildings:- Character, type, number and size.

No buildings - Power Plant is situated inside the hollow Dam.

(d.) Manufacturing Equipment.

Two (2) Allis Chalmers Generators 11000 Volts: 3phase: 60cycles 15.75 Amp. 240 R.P.M. Serial No of ONE 32116.
Two (2) Exciters - Bullock Electric M'f'g. Co. Direct Current 120 Volts - 146 Amp. - 850 R.P.M. Serial Numbers 16780 and 16800
One (1) Woodward Governor.
One (1) Lombard Governor.

(e) Number of employees.

Few men needed are drawn from Company's electrical operating forces as required.
The normal force was three men.

(7).

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(f). Area of Land Incident to plant purposes.

Dam Contains plant. However the Company owns 38.1 Acres of land at this Location.

22. WATER POWER DEVELOPMENT.

(a.) Give brief description of use of Water for power with Average hours of use per day, Opening of gates, etc. for the last five years.

Plant has not been running since March - 1932.
The plant was in Operation whenever there was Sufficient water in the river.

(b). Total Power Available.

See attached Schedule for years from 1927 until close down of Plant in March 1932.

(c.) Average power Used.

see Above Schedule.

(d). Duration of use.

Depended on Stream flow.

23. STEAM POWER DEVELOPMENT.

None.

24. PURCHASED POWER.

None.

(8).

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25. INDUSTRIAL USES OF WATER, OTHER THAN FOR POWER.

None.

26. PLAT SHOWING TO APPROXIMATE SCALE.

(a.) Location of Privilege, property Lines, dam and Appurtenant Structures.

Attached.

(b) Location of Plant and Buildings.

Attached.

here

28. NAME OF INVESTIGATOR ON EACH SECTION AND DATES WHEN DATA WERE OBTAINED.

H.S. Shryock - Plant Valuation Engineer.
A.F. Di Domenico - Assistant Plant Valuation Engineer.

Field notes gotten on August 16 and October 7, 1932.
Photograph taken on September 29, 1932.
Information Obtained from Cons. Gas. Co. (A.L. Penniman) on October 10, 1932.

27 - Detailed title search of privilege
To be obtained by Legal Department if and when required

Request Item No. 13

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FROM TO

COMPUTED BY CHECKED BY a Fli DATE 19

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29- TAX ASSESSMENT OF PRIVILEGE

(a) Last two assessments in as much detail as possible.

1927 - Baltimore County

In name of Consolidated Gas Electric Light & Power Co.

10.5 acres beyond Thistle Mills and B. & O. R.R. bridge over Patapsco River	@100.00	$1050.00	
7.9 acres fast land	@200.00	1580.00	
Ilchester dam and power plant		28,750.00	31,380.00

1927 - Howard County

In name of Patapsco Electric Light & Manufacturing Co. of Maryland.

18.5 acres on Patapsco	@ 50.00	925.00	
Abutment to dam		5000.00	5,925.00

Total for 1927 in both Counties 37,305.00

1922 - Baltimore County

In name of Con. Gas El. L. & P. Co.

13.4 acres beyond Thistle Mills and B & O. bridge. 1½ miles S. of Grays Mill		$1300.00	
5. acres fast land		1000.00	
Ambursen Dam: one-half situated in Balto. Co.		28750.00	31,050.00

1922 - Howard County

In name of Patapsco El. L. & Mfg. Co. of Maryland

18.5 acres	@ $50.00	925.00	
Abutment of dam		5000.00	5,925.00

Total for 1922 in both Counties 36,975.00

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FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

(b) The practice of Tax Assessor in determining assessments (percentage of actual valuation).

Baltimore County
65% of actual value.

Howard County
75% of actual value.

(c) Sources of Information.

Baltimore County
Court House, Towson, Md.
1927 - Liber 1 : folio 232
1922 - Liber 1 : folio 190

Howard County
Court House, Ellicott City, Md
1927 - Liber - District No. 1 . folio 49
1922 - Liber - District No. 1 . folio 199

(d) Dates of obtaining data.

Baltimore County: February 14, 1933.

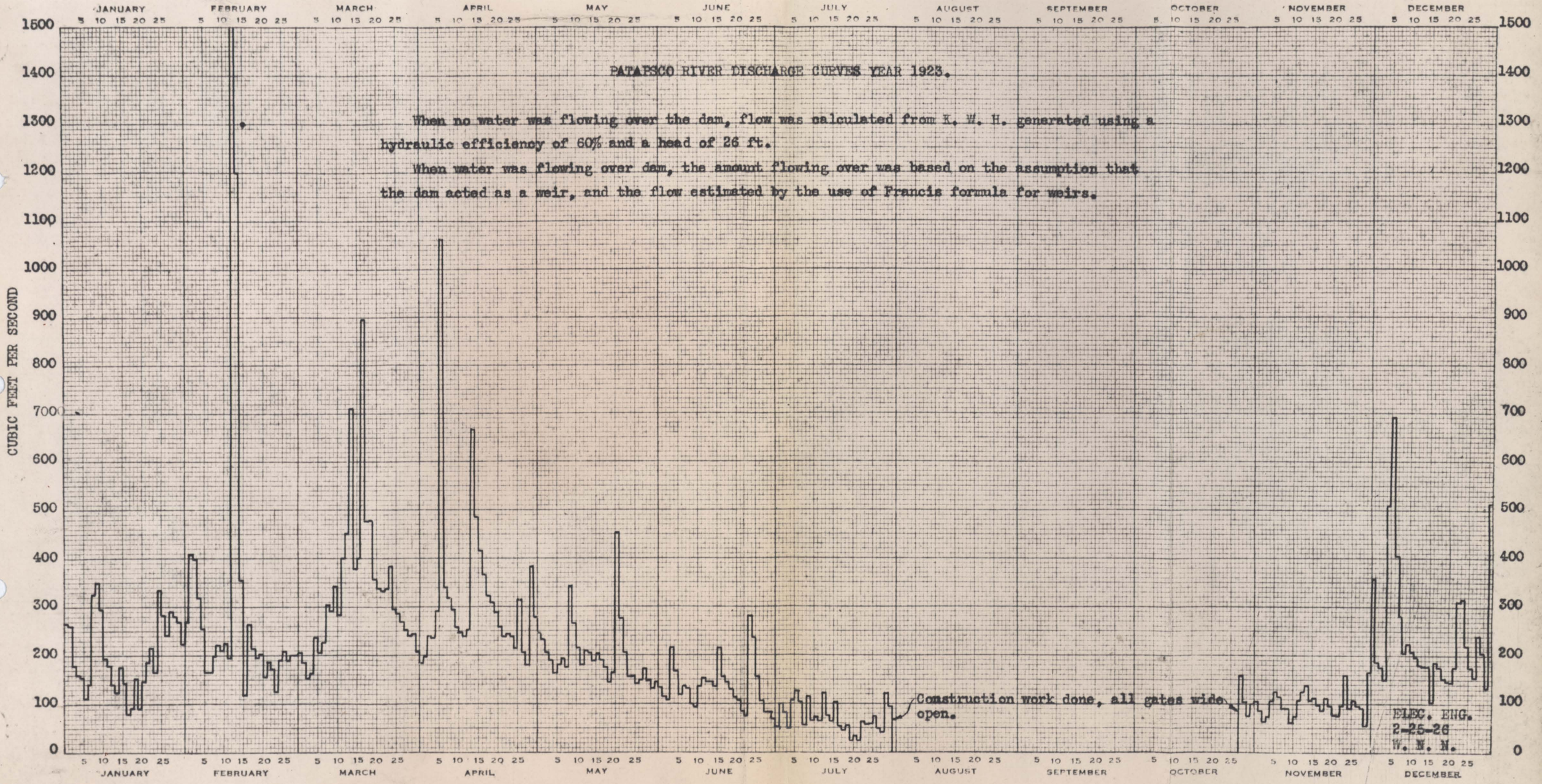
Howard County : February 17, 1933.

19

PATAPSCO RIVER DISCHARGE CURVES YEAR 1923.

When no water was flowing over the dam, flow was calculated from K. W. H. generated using a hydraulic efficiency of 60% and a head of 26 ft.

When water was flowing over dam, the amount flowing over was based on the assumption that the dam acted as a weir, and the flow estimated by the use of Francis formula for weirs.



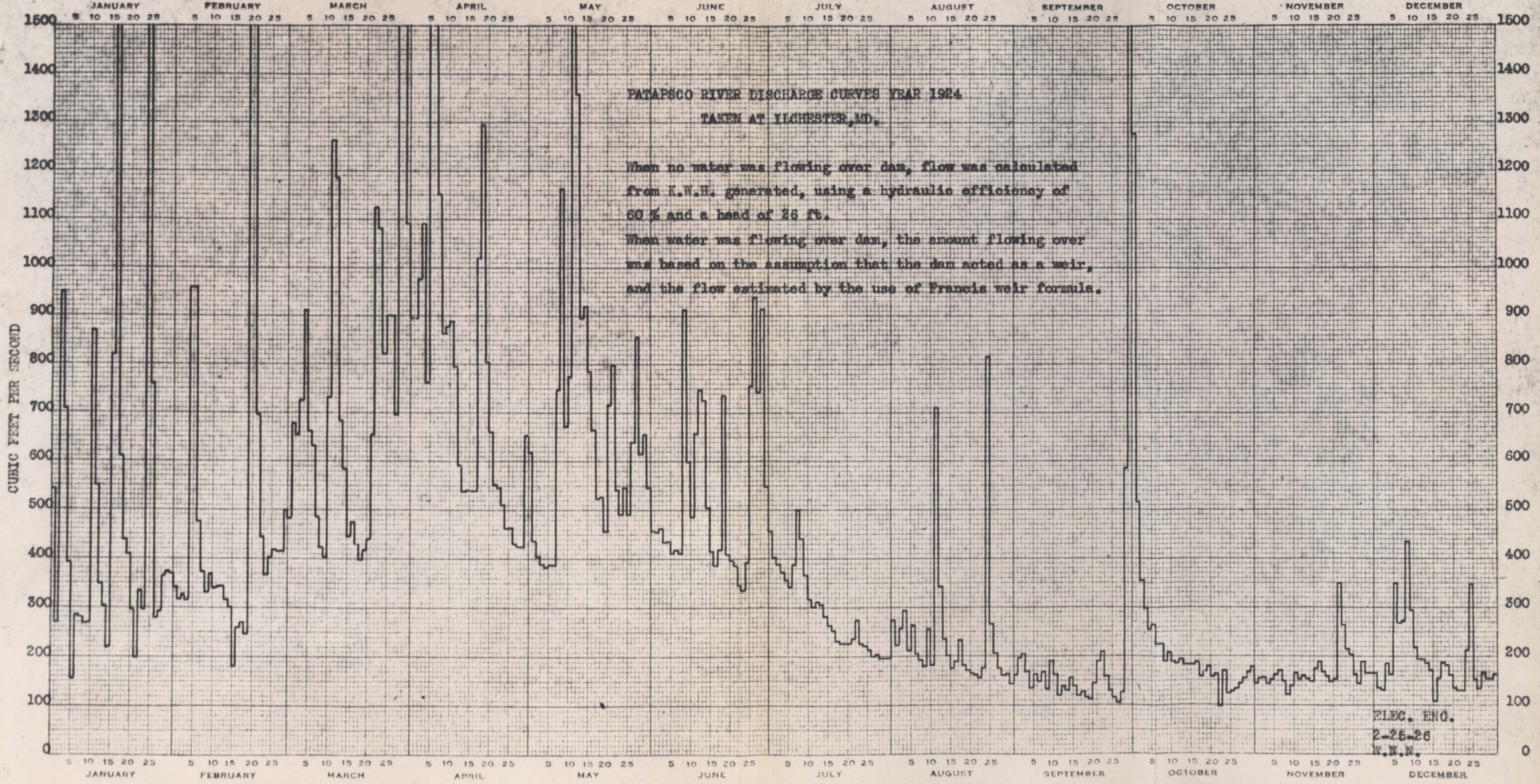
CODEX BOOK CO., INC., NEW YORK, N. Y.

PATAPSCO RIVER DISCHARGE CURVES YEAR 1924

TAKEN AT ELCHESTER, MD.

When no water was flowing over dam, flow was calculated from K.W.H. generated, using a hydraulic efficiency of 60 % and a head of 26 ft.

When water was flowing over dam, the amount flowing over was based on the assumption that the dam acted as a weir, and the flow estimated by the use of Francis weir formula.

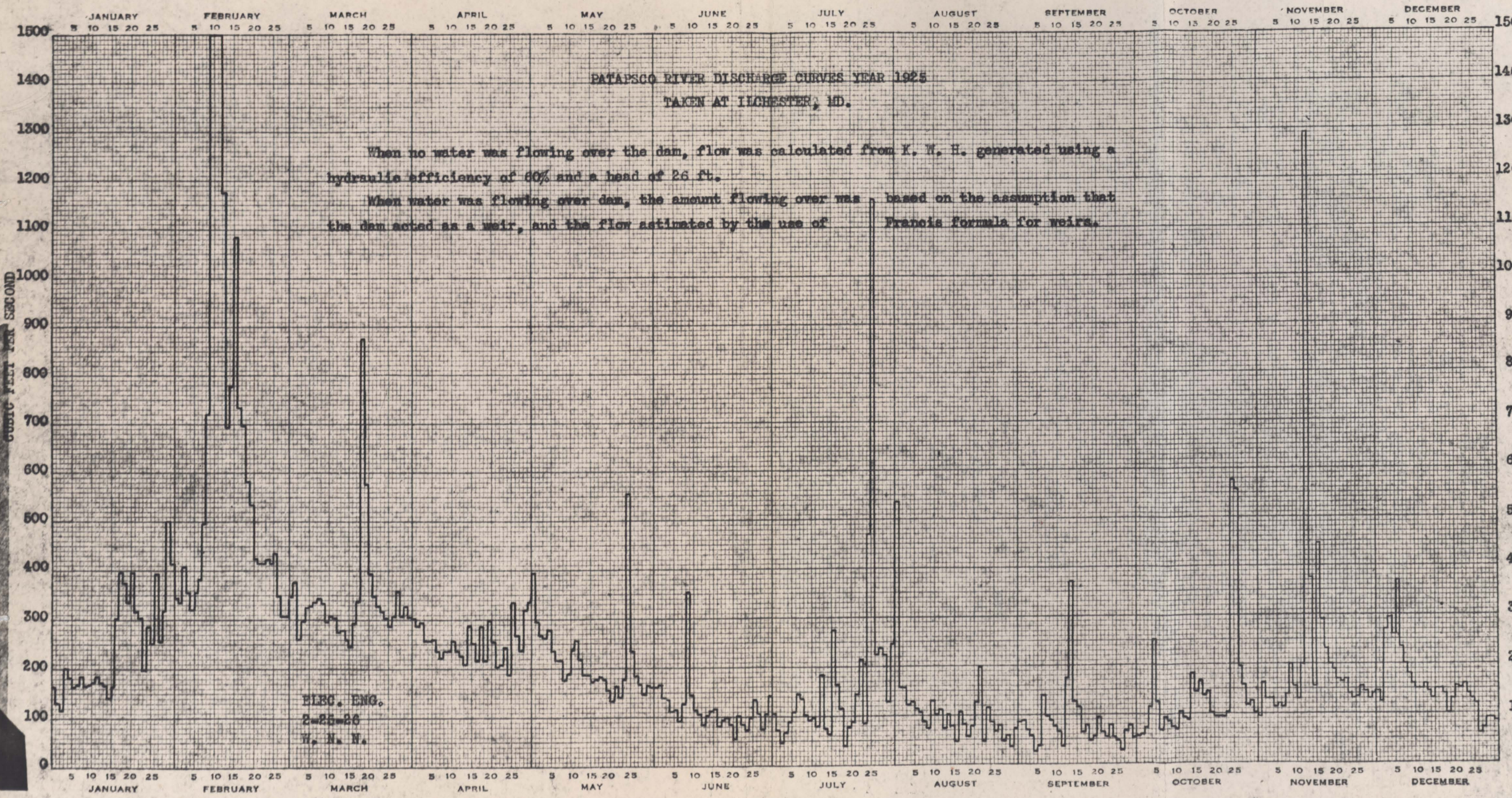


ELEC. ENG.
2-25-26
W.N.N.

PATAPSCO RIVER DISCHARGE CURVES YEAR 1925
TAKEN AT ILCHESTER, MD.

When no water was flowing over the dam, flow was calculated from K. W. H. generated using a hydraulic efficiency of 80% and a head of 26 ft.

When water was flowing over dam, the amount flowing over was based on the assumption that the dam acted as a weir, and the flow estimated by the use of Francis formula for weirs.

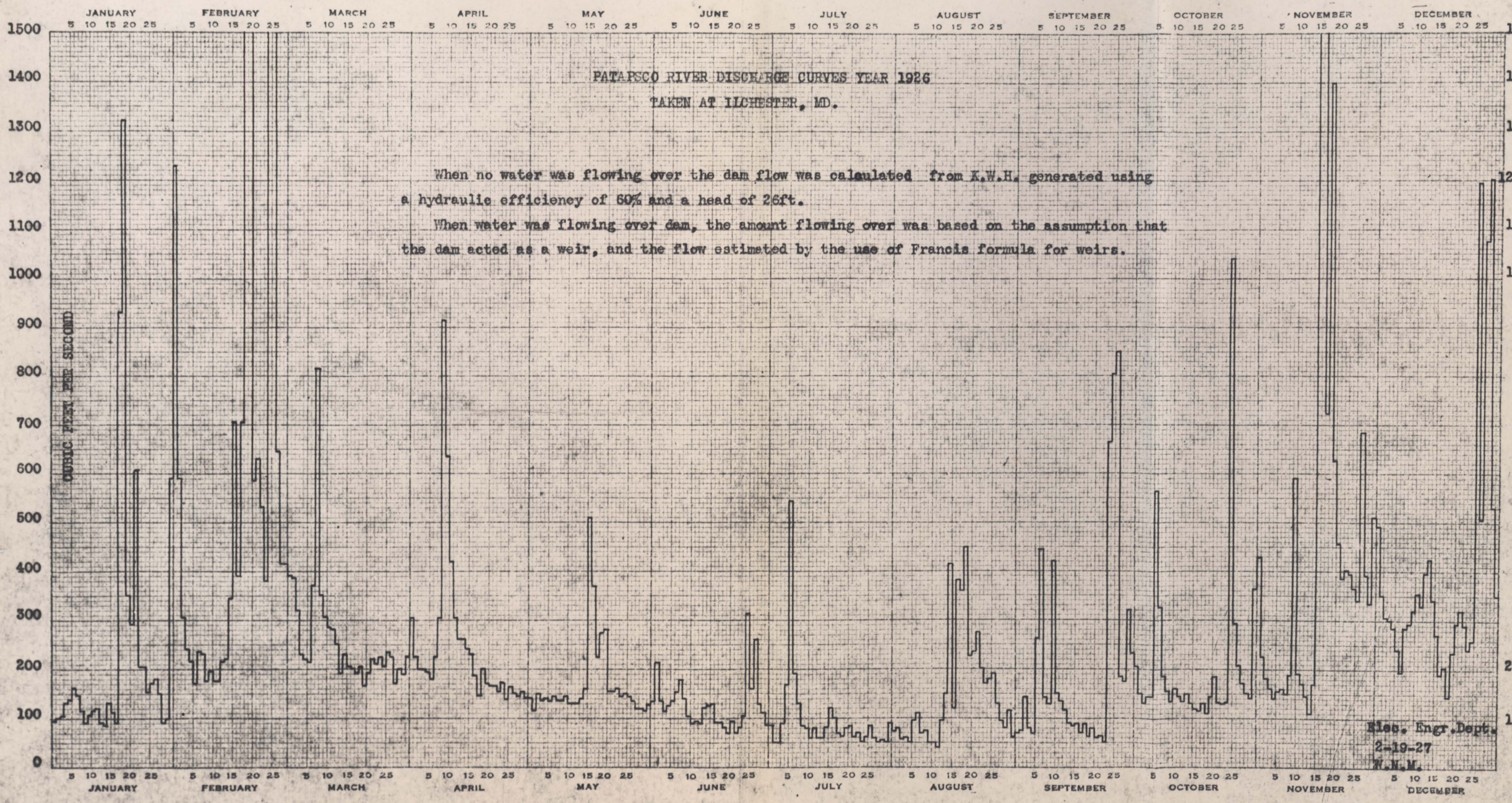


PATAPSCO RIVER DISCHARGE CURVES YEAR 1926

TAKEN AT ILCHESTER, MD.

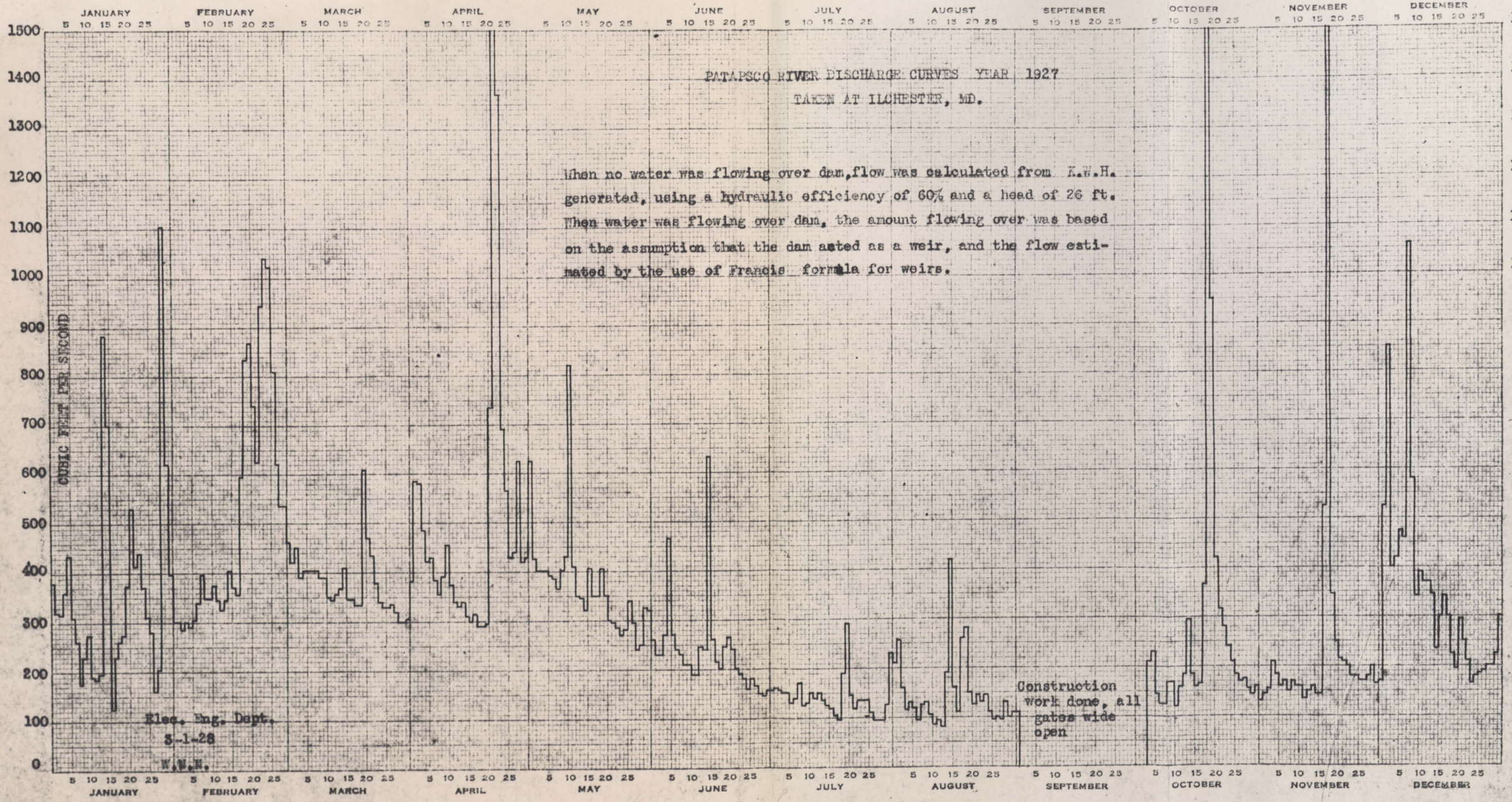
When no water was flowing over the dam flow was calculated from K.W.H. generated using a hydraulic efficiency of 80% and a head of 26ft.

When water was flowing over dam, the amount flowing over was based on the assumption that the dam acted as a weir, and the flow estimated by the use of Francis formula for weirs.



PATAPSCO RIVER DISCHARGE CURVES YEAR 1927
TAKEN AT ILCHESTER, MD.

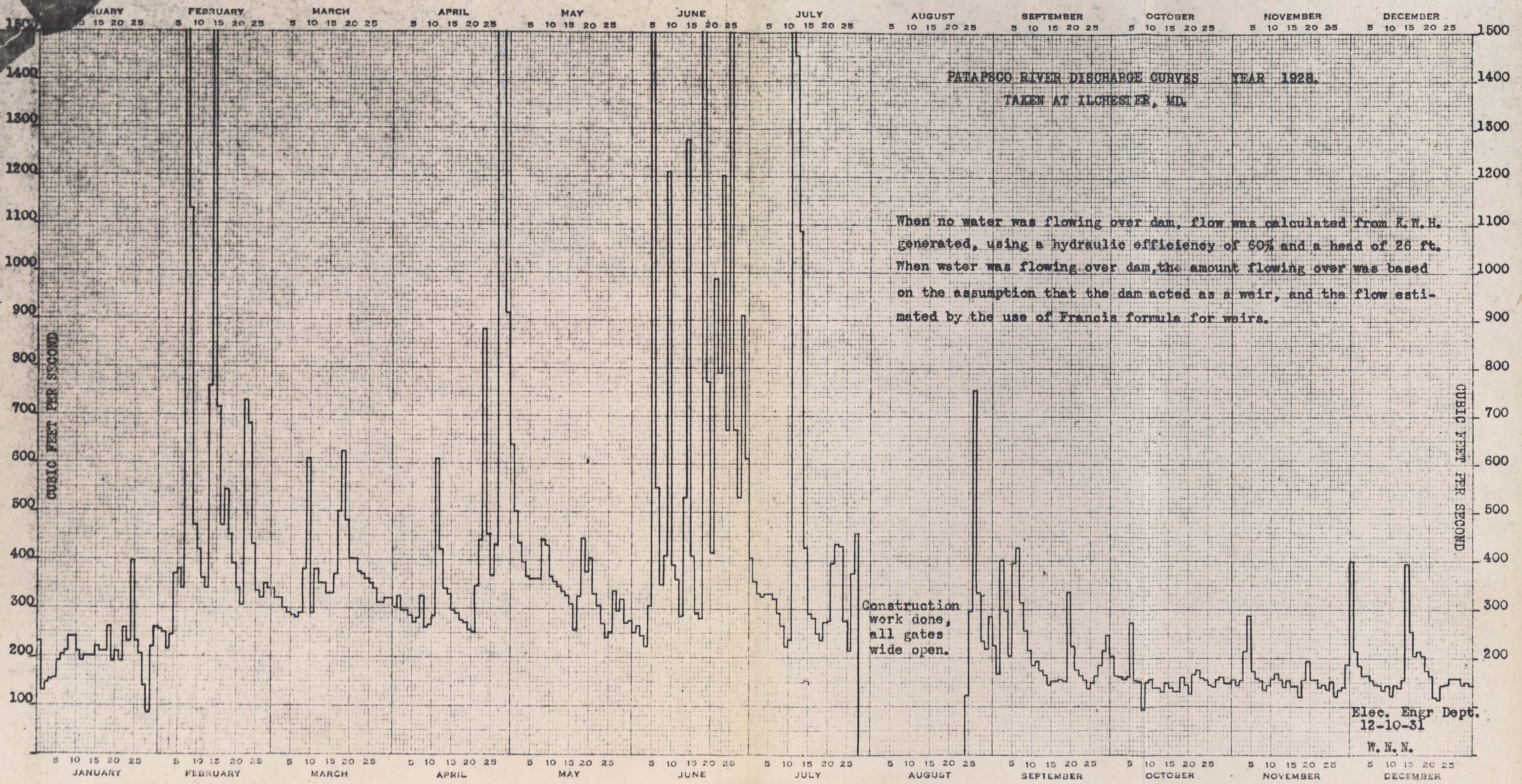
When no water was flowing over dam, flow was calculated from K.W.H. generated, using a hydraulic efficiency of 60% and a head of 26 ft. When water was flowing over dam, the amount flowing over was based on the assumption that the dam acted as a weir, and the flow estimated by the use of Francis formula for weirs.



PATAPSCO RIVER DISCHARGE CURVES YEAR 1928.

TAKEN AT ILCHESTER, MD.

When no water was flowing over dam, flow was calculated from K.W.H. generated, using a hydraulic efficiency of 80% and a head of 26 ft. When water was flowing over dam, the amount flowing over was based on the assumption that the dam acted as a weir, and the flow estimated by the use of Francis formula for weirs.



PATAPSCO RIVER DISCHARGE CURVES YEAR 1929.

TAKEN AT ILCHESTER, MD.

When no water was flowing over dam, flow was calculated from K.W.H. generated, using a hydraulic efficiency of 60% and a head of 26 ft.

When water was flowing over dam, the amount flowing over was based on the assumption that the dam acted as a weir, and the flow estimated by the use of Francis formula for weirs.

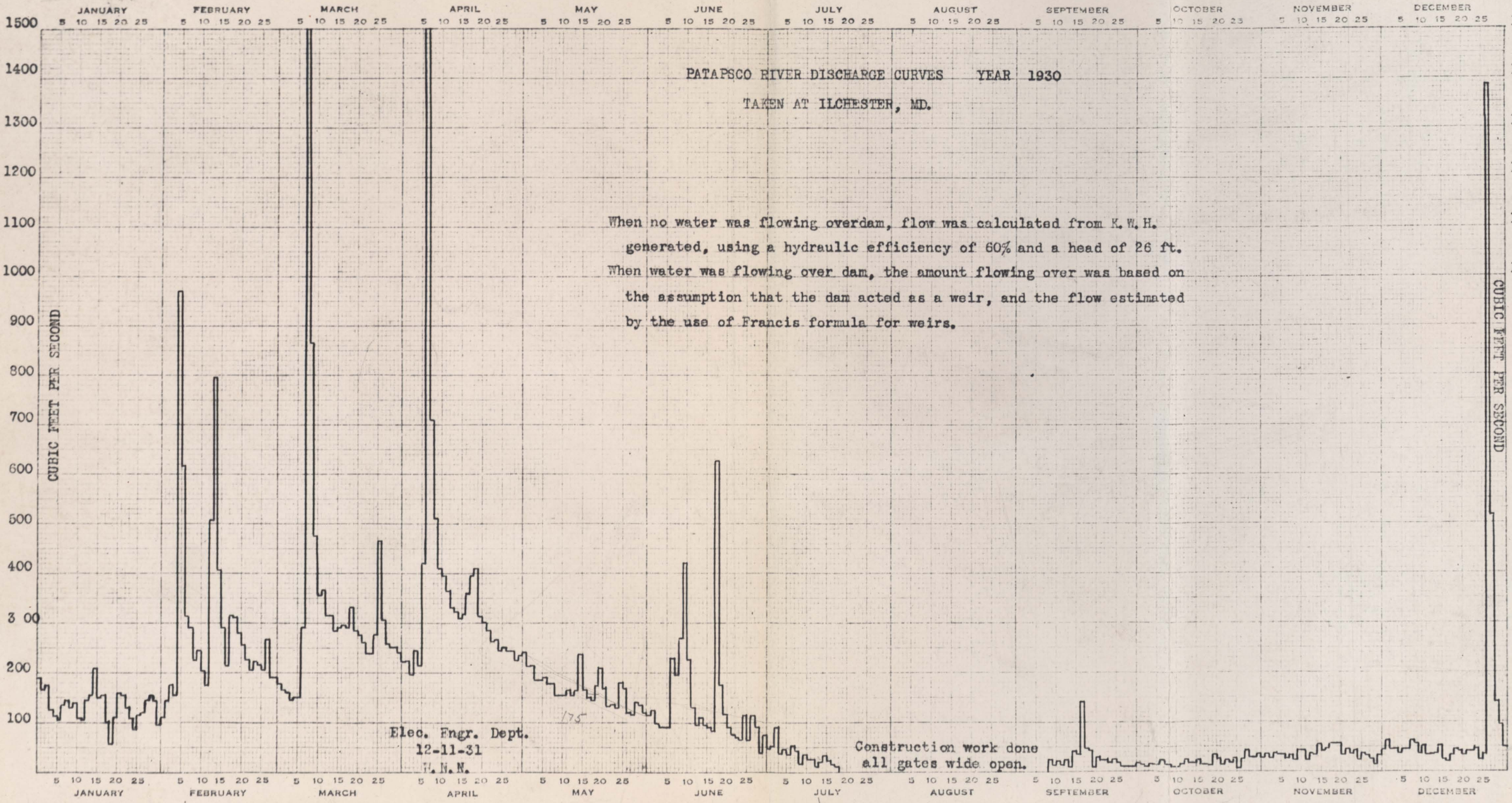
Construction work done, all gates wide open.

Elec. Engr. Dept.
12-11-31
W. N. N.

PATAPSCO RIVER DISCHARGE CURVES YEAR 1930

TAKEN AT ILCHESTER, MD.

When no water was flowing overdam, flow was calculated from K.W.H. generated, using a hydraulic efficiency of 60% and a head of 26 ft.
When water was flowing over dam, the amount flowing over was based on the assumption that the dam acted as a weir, and the flow estimated by the use of Francis formula for weirs.



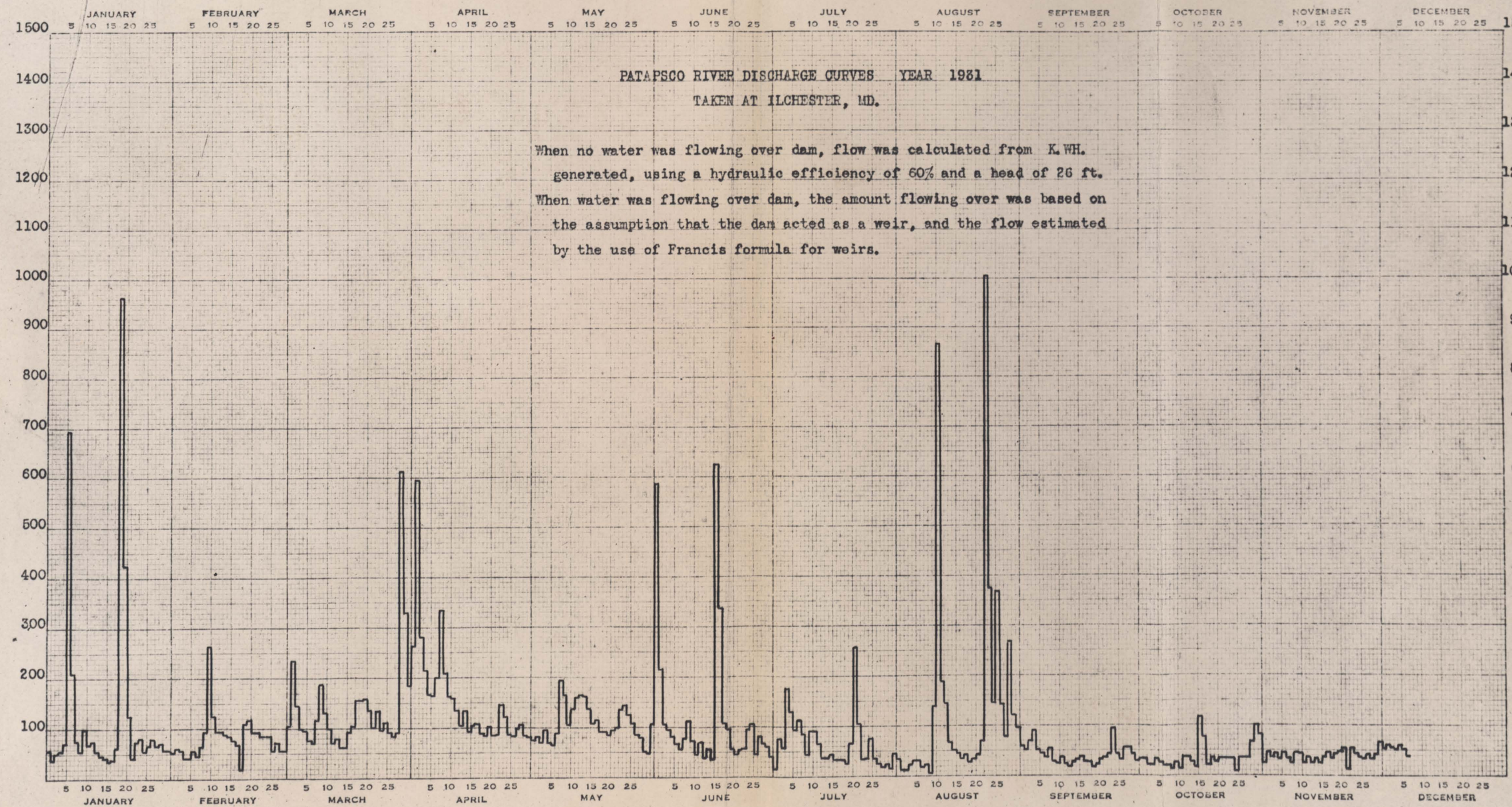
1/7 J May

PATAPSCO RIVER DISCHARGE CURVES YEAR 1931

TAKEN AT ILCHESTER, MD.

When no water was flowing over dam, flow was calculated from K.WH. generated, using a hydraulic efficiency of 60% and a head of 26 ft.

When water was flowing over dam, the amount flowing over was based on the assumption that the dam acted as a weir, and the flow estimated by the use of Francis formula for weirs.



CODE BOOK CO., INC., NEW YORK.

ILCHESTER MONTHLY GENERATION (K.W.H.)

	1927	1928	1929	1930	1931	1932	
JAN.	253,300	183,100	191,500	129,700	71,800	154,500	JAN.
FEB.	280,300	267,300	129,300	214,500	70,500	117,400	FEB.
MAR.	315,400	307,700	270,300	220,700	121,900	2,800	MAR.
APR.	290,500	263,900	277,500	247,300	134,000		APR.
MAY	305,600	274,500	300,300	162,600	103,800	Discon-	MAY
JUNE	204,800	199,800	175,000	117,400	74,800	tinued	JUNE
JULY	135,900	162,800	140,500	18,800	62,400	operation	JULY
AUG.	136,300	69,800	95,600	-	85,200	in March,	AUG.
SEPT.	5,600	178,700	8,000	18,600	39,100	1932.	SEPT.
OCT.	158,100	150,800	-	19,100	36,900		OCT.
NOV.	165,200	148,200	9,600	34,300	36,500		NOV.
DEC.	244,300	167,300	22,000	47,600	68,600		DEC.
TOTAL	2,495,300	2,373,900	1,619,600	1,230,600	905,500	274,700	TOTAL

ILCHESTER MONTHLY ONE-HOUR PEAK (K.W.H.)

	1927	1928	1929	1930	1931	1932	
JAN.	600	500	500	500	400	500	JAN.
FEB.	600	600	500	700	500	400	FEB.
MAR.	600	600	600	500	500	200	MAR.
APR.	600	600	600	600	500		APR.
MAY	600	600	600	500	400		MAY
JUNE	500	500	500	500	500		JUNE
JULY	500	600	500	500	500		JULY
AUG.	500	600	500	-	500		AUG.
SEPT.	500	600	200	400	200		SEPT.
OCT.	600	500	-	200	200		OCT.
NOV.	500	500	400	200	300		NOV.
DEC.	600	600	400	300	400		DEC.
TOTAL							TOTAL

AMOUNT OF WATER USED (CU.FT.)

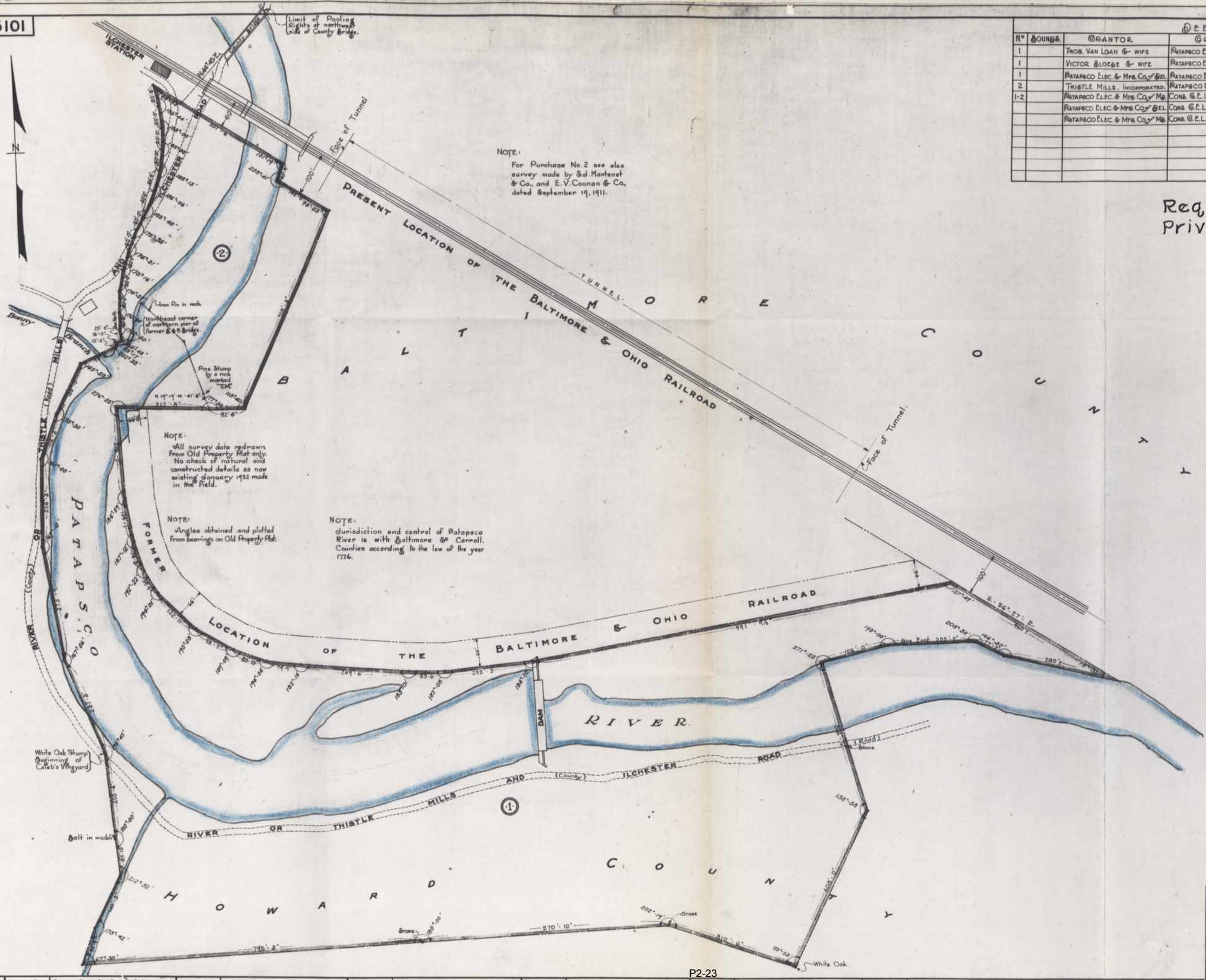
	1927	1928	1929	1930	1931	1932	
JAN.	690,657,912	499,247,784	522,151,560	353,645,208	195,772,752	421,265,880	JAN.
FEB.	764,277,192	728,830,872	352,554,552	584,864,280	192,228,120	320,107,536	FEB.
MAR.	859,982,256	838,987,128	737,010,792	601,769,448	332,377,416	7,634,592	MAR.
APR.	792,088,920	719,560,296	756,642,600	674,298,072	365,369,760		APR.
MAY	833,261,184	748,462,680	818,809,992	443,351,664	283,025,232		MAY
JUNE	558,415,872	544,782,672	477,162,000	320,107,536	203,952,672		JUNE
JULY	370,550,376	443,896,992	383,092,920	51,260,832	170,142,336		JULY
AUG.	371,641,032	190,319,472	260,666,784	0	232,309,728		AUG.
SEPT.	15,269,184	487,250,568	21,813,120	50,715,504	106,611,624		SEPT.
OCT.	431,081,784	411,177,312	0	52,078,824	100,613,016		OCT.
NOV.	450,440,928	404,088,048	26,175,744	93,523,752	99,522,360		NOV.
DEC.	666,118,152	456,166,872	59,986,080	129,788,064	187,047,504		DEC.
TOTAL	6,803,784,792	6,472,770,696	4,416,066,144	3,355,403,184	2,468,972,520	749,008,008	TOTAL

Chart "A"

F.A.L. - 8/31/32

DAM ↪ Consolidated Gas Elec. Light & Power Co.
Ilchester, Md. September 29, 1932

D-106101



DEEDS OF PURCHASE.

No	Bounds	Grantor	Grantee	Date of Deed	Deed Reference	Area in Acres	Remarks.
1		Thos. Van Loan & wife	Patapsco Elec. & Mfg. Co. of Del.	3-5-09	W.R.C.-340-546 W.L.C.-84-75		Purchase.
1		Victor Bloede & wife	Patapsco Elec. & Mfg. Co. of Del.	3-5-09	W.P.C.-337-547 W.L.C.-87-34		Purchase.
1		Patapsco Elec. & Mfg. Co. of Del.	Patapsco Elec. & Mfg. Co. of Md.	5-5-10.	W.R.C.-364-63 W.L.C.-95-573	33.40	
2		Thistle Mills, Incorporated.	Patapsco Elec. & Mfg. Co. of Md.	12-26-11.	W.P.C.-385-516 W.L.C.-98-243	4.70	Purchase.
1-2		Patapsco Elec. & Mfg. Co. of Md.	Cons. G.E.L. & P. Co.	5-1-13.			Lease
		Patapsco Elec. & Mfg. Co. of Del.	Cons. G.E.L. & P. Co. & Trustees	4-4-28.	W.R.M. 283-276 W.L.M. 4825-181		Deed of all Property and Assets.
		Patapsco Elec. & Mfg. Co. of Md.	Cons. G.E.L. & P. Co. & Trustees.	4-4-28.	W.R.M. 283-278 W.L.M. 4825-183		Deed of all Property and Assets.

Request Item 13
Privilege No. P.2

Area in Acres Land in Baltimore County.	18.40
Area in Acres Land in Howard County.	19.70
Total Area in Acres Owned	38.10
Total Area in Acres in use	10.60

Item	No. Req.	Description
G-1		Material List
G-2		
G-3		
G-4		
G-5		
G-6		
G-7		
G-8		

PROPERTY PLAT
LOCATION OF BLDGS. AND DEED DATA.
ILCHESTER,

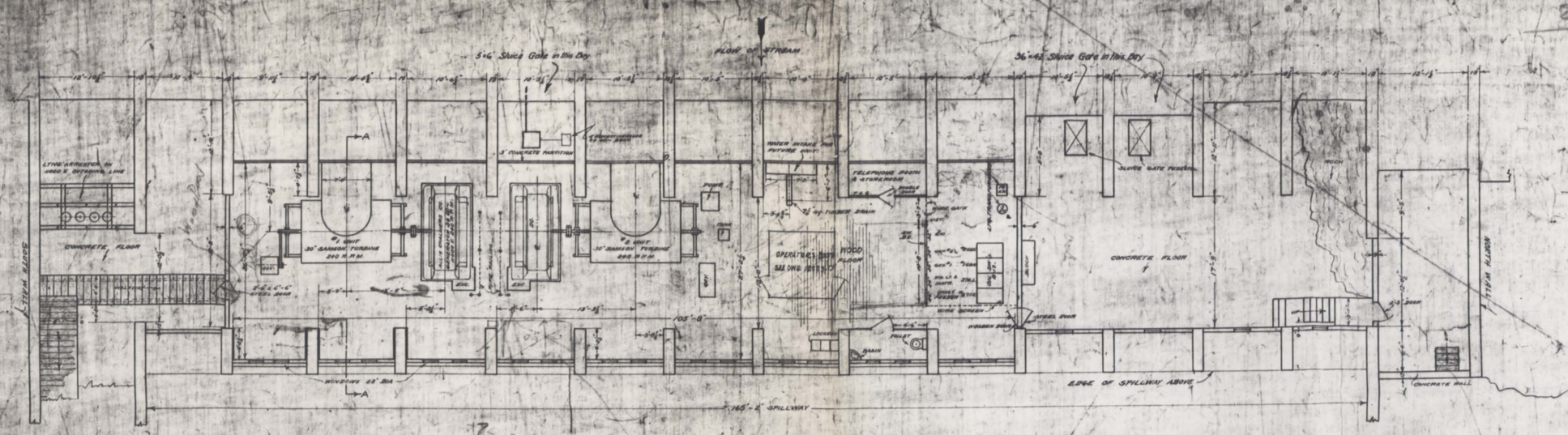
CONSOLIDATED GAS ELECTRIC LIGHT AND POWER CO. OF BALTIMORE, MD.
ELECTRIC ENGINEERS DEPARTMENT

Drawn	R.L.W.	Date 8-30-28
Traced	C.T.	Date 9-4-28
Checked	Scott	9-26-28
Approved	[illegible]	

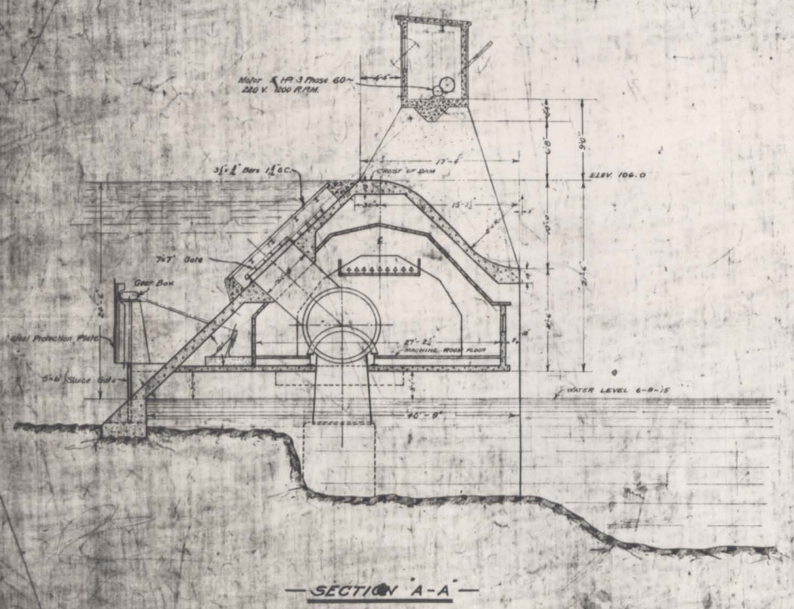
Scale 1 Inch = 100 Feet.
Use Dimensions Only.

101901-D

References			Revisions		
B	3242-B	Survey Plat E.V. Coonan & Co 7-31-18	A	5 30 32	R.L. Drawn & Re-checked R.L.W.
C	3242-C	Old Property Plat. 11-2-20			



— PLAN VIEW OF MACHINE ROOM —



— SECTION A-A —

DESCRIPTION OF DAM

Reinforced concrete dam - designed and built by Ambursen Hydraulic Construction Company -
Footings carried to rock:
Spillway parabolic
Stream face of dam: 18" slab at base - tapering to 10" at crest
Buttresses about 18" thick on 10' centers
Overall width of dam, edge of spillway to heel of batter wall = 47'
Length of spillway between wing walls of end buttresses = 165'2"
Length of Power House inside dam = 105'8"
Portholes on downstream face 22" diameter
Length of dam between end walls = 196'2"

PLAN VIEW MACHINE ROOM & SECTION THROUGH DAM ALCHESTER GEN. STA.

3371-D

PRIVILEGE ~~No~~ P-3.

Bartgis Bros. Co.

ILCHESTER, MD.

Request Item No 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT WATER AND WATER-POWER RIGHTS. FILE NO.
Patapsco Project. ACC. NO.
Privilege No P-3 FROM TO
COMPUTED BY H. S. Shryock. CHECKED BY A.F. Di Domenico. DATE 19
MADE IN CONNECTION WITH Active Privilege WORK

LOCATION: Ilchester, Md.

1. CORPORATE NAME OF OWNER OF PRIVILEGE.

Bartgis Bros. Co.
To Maryland Trust Co. by Deed of Trust -- October 1, 1928
(Liber 660. folio 275) Baltimore County

2. LOCATION OF PRIVILEGE

Just west of the highway bridge over the Patapsco River at Ilchester, Md.

3. BRIEF DESCRIPTON OF PRIVILEGE.

A dam about 475 feet west of the Mill group of buildings Impounds the water of the Patapsco. A Mill race leads the water to the Mill where it is used for both process and power purposes. Agroup of Mill buildings is necessary for the complete manufacturing of the product.

4. HISTORICAL DATA ON PRIVILEGE.

(a.) Dates of Various Acquisitions.

October 1, 1928

(b.) Changes in Ownership.

October 1, 1928 - Bartgis Bros Co. to Maryland Trust Co. (Deed of Trust).
Oct. 1, 1928 - Thistle Cotton Mills, Inc. to Bartgis Bros. Co.
1882 - Thistle Manfg. Co. to Thistle Mills of Balto. City = 30 acres
1882 - Robt. Tyson to Thistle Mills of Balto. City 81.3 "

(c.) Information on Sales or Rentals.

December 6, 1911 - Thistle Mills to Patapsco Electric & Manufacturing Co. 4.7 acres.

(2)

Request Item No 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-3. FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

5. TOTAL AREA OF WATER SHED ABOVE PRIVILEGE.

Eight Square miles less than water shed at Avalon Dam ~~=~~ or
appox 308.4 Square Miles.

6. AREA OF WATERSHED USED.

All the above area.

7. AMOUNT OF WATER UNDER PRIVILEGE.

(a.) Claimed
Sufficient for operation of plant

(b). Granted.

8. AMOUNT OF WATER USED.

(a.) Power:
28,000 g.p.m. To turn a water wheel which is supplied with water through a 6'-6" Steel penstock.

(b). Process:

1000 g.p.m. for filters - process.
1500 " " Condensers.

9. FALL OR HEAD UNDER THE PRIVILEGE.

(a.) Claimed.

Full head developed.

(b.) Granted.

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FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

10. FALL OR HEAD USED OR DEVELOPED.

Fifteen (15) feet. Information from Mr. Lupton - Bartgis Bros.

11. DATA ON MILL POND.

(a) Approximate Area.

6.07 Acres.

(b). Approximate Depth.

(I) Total Available.

Nine feet.

(II). Available.

(c) Approximate Capacity.

(I) Total

9,900,000 Gallons.

(II). Available.

12. SUPPLEMENTARY STORAGE RESERVOIRS, IF ANY.

(a.) Available Capacity

A. Wood tank on steel tower holds 30,000 gallons of filtered water to be used as an auxiliary supply for process water.

B. Open Concrete reservoir on hill contains River Water used for fire protection: Capacity 200,000 Gallons.

C. Domestic Water is supplied from a spring on the opposite side of the River. The water is piped

Request Item No 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-3 FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

across the river into a masonry reservoir, Capacity 20,000 gallons: and from there pumped into a Covered Concrete reservoir, Capacity 66,000 gallons, on a Hill Top.

13. STREAM FLOW DATA:

(a.) Calendar Arrangement.

See Request Item 10

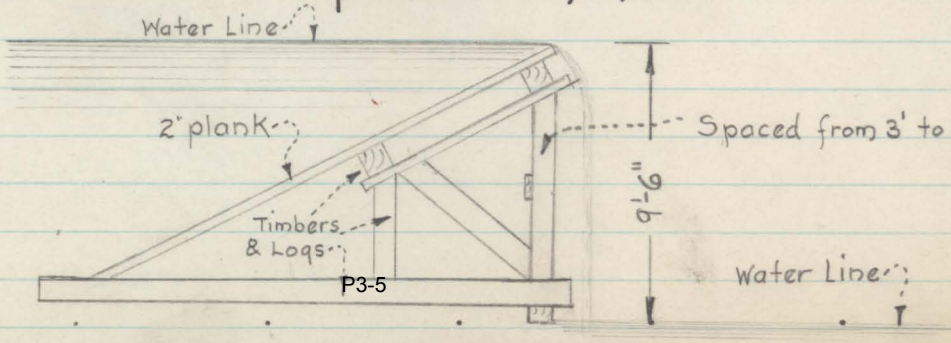
(b). Arranged in Order of dryness.

14. LOCATION OF DAM.

475' West of Mill group and Just opposite where the River Road leaves Thistle Road.

15. DESCRIPTION OF DAM.

A timber dam consisting of 2" planks placed at an angle of about 60° with the stream bed and supported on timber cribbing as per sketch and Photograph. It is not in very good shape and is repaired. from time to time in a hap-hazard manner.



ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P. 3. FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

16. HEAD RACE OR CANAL.

(a) Length.
475 feet.

(b) Cross Section.
Approximately 25 feet wide by 3.6 feet deep.

(c.) Slope.
0.00008.

(d). Discharge Capacity.
41,500 G.P.M.

(e). Character of Construction.
Steep natural bank on the North side and rubble masonry on South side.

17. WATER WHEELS INSTALLED.

(a.) Number.
Three - Only one in use; second can be used, third useless.

(b.) Type.
Vertical

(c.) Name of Maker.
No names nor plates visible.

(d.) Dimensions.
Cannot be gotten without closing down plant.

(e). Rated Capacity of each.
Not known.

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18. TAIL RACE.

(a.) Length.
Forty (40) feet.

(b.) Cross Section.
Only a large gash cut through the bank into the river. No definite cross section.

(c.) Slope.
Cannot be figured

(d.) Discharge Capacity.
Sufficient for discharge from wheels

(e.) Character of Construction.
A Large Trench cut through bank into River.

19. LOCATION OF PLANT USING PRIVILEGE.

The mill group is on the northeast bank of the Patapsco River, South of Thistle Road, and starts just west of the highway bridge crossing the river at Ilchester.

20. HISTORICAL DATA ON PLANT.

(a.) Dates of Original uses.

(b.) Character of Original uses.

Cotton Mills

(c.) Changes in ownership and present owner or lessee.
See Answers to Question 4-b

(d.) Information on sales or rentals of Plant.
See Answers to Question 4-c

(7)

Request Item №13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

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21. BRIEF DESCRIPTION OF PLANT.

(a.) Product.

Paper board and paper boxes.

(b). Description of Manufacturing process.

From waste paper, Sulphite and other raw materials, they manufacture paper board. They also manufacture their own inks from varnishes and pigments. The raw materials go through the following machines:- Beaters - Jordans - Screens - Dryers. The finished boards are then printed, cut and creased to make boxes.

(c.) Industrial buildings; Character, type, number and size.

№1. Printing Building:- 227.5 x 76 x 22.5' high, with a 7 foot basement; Stone Construction; roof carried by timber beams and posts; roof - Saw tooth - sash on one face and tar paper on other. Basement used for Storage. Automatic Sprinklers.

№2. Paper Box Factory:- 131' x 57' x 22.5' North Side.
131' x 30' x 27 South Side.
North Side:- Corrugated iron sides and roof. Roof carried on light steel trusses.
South Side:- Frame sides and roof. Roof carried on wood truss, roof Covered with tar paper.

№3. Engine Room:- 37' x 34.8' x 23± high; Brick Construction; Roof tar paper on wood.

№4. Boiler House:- 29.3' x 55.4' x 34' high; Corrugated iron Sides; Roof tar paper on wood.
Steel Stack - 6' diameter - 100' high.

№5. Board Mill :- 227.7 x 71.7 x 18.8' high; 7'5 basement; Brick construction; Roof - tar paper on wood.

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№6. Office :- 53.7' x 36' x 27' high; Brick; with tar paper roof carried by timbers; Roof monitor Construction.

№7. Warehouse:- 113' x 50.6' x 59' ± high - Five Stories; Stone; Roof tar paper covered; Roof carried on timber trusses;

№8. Screen Room:- 90.5' x 21' x 23' high, Brick Construction; Tar paper roof on wood.

All the above buildings are protected by automatic Sprinklers.

№9. Filter House:- 55' x 29' x 22' high; Stone; Tar paper roof.

№10. Garage:- 2 Story; 51'-6" x 19' x 12' high; Stone 5'-6" remainder frame; Poor Condition.

The following buildings are used for other than manufacturing purposes. They are all on the opposite side of the road from the mill buildings.

1- 2 Story Store
1- 1 Family store residence.
2- 1 " Frame residences
19- 2 " " "
10- 2 " Stone "
1- 4 " " residence.
3- Frame Garages
1- Ice House.

These buildings range in Condition from poor to fair.

(d.) Manufacturing Equipment.

Printing Building.

1- Ink Mill
1- Bronzer
12- Rotary presses
2- Flat bed presses
2- Cutters.

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4 punchers
All the above are motor driven.

Paper Box Factory
8- Stitchers
1- Pressing machine
1- Baler
2- Automatic Machines - gluers.
1- Tying Machine.
All the above are motor driven

Board Mill.
1- Hay Scales.
1- Steam driven paper roller machine - 150' Long.
1- Cutter.

Ware house.
4- Beaters
3- Jordan Grinders.
6- Chesters.

All the above are motor driven.

Screen Room.
1- Steam Engine for operating rollers - 86 H.P.
Screens.

Filter House.
Houses mechanical filters - Coagulation tanks using Alum and soda ash: Sand filters; reservoir or clear well under filters.
1- Low head pump to pump from race.
G.E. Motor 3 phase, 60 cycles, 440 V., 10 H.P.
1- High head pump to pump to high tank.
Westinghouse 60 cycles, 440 V., 20 H.P.

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The following tools are used in Connection with the work.

1- 12" Circular Saw - Motor driven.
1- Wallace Joiner. " "
4- Lathes. " "
1- Drill " "
1- Welding out fit. " "

(e). Number of Employees.

125 to 140.

(f). Area of Land incident to plant purposes.

106 Acres - includes residential section.

22. WATER POWER DEVELOPMENT.

(a.) Give brief description of use of water for Power with average hours of use per day, opening of gates, etc. for the last five years.

Water is used to turn a water wheel which by belt connections operates:-

1- Direct Current Generator- Westinghouse; 15KW; EMF125; Amp. 120, Speed 1050; Serial No 2158-6. This generates electricity for lighting roads and homes on property.
1- Plunger type pump; which raises water from Reservoir Containing spring water to another Reservoir on Hill See 12-C. Worthington Size 4"x4" No. 110198.
1- Plunger type pump, which raises water from Penstock to reservoir on hill to be used for fire purposes- See 12-b. Deane Steam Pump Co., Holyoke, Mass., Size 5"x6" No 43983.
1- Plunger type pump - auxiliary for fire protection Worthington - Size 3"x3" - No D. 101962.

There are no gates to open, but the stream flow is very small after Oella closes its gates at night.

(b.) Total power avai

(b.) Total power Available.

Information not obtainable.

(c.) Average power used.

Enough for lighting and pumping purposes.

(d) Duration of use.

Twenty-four Hours.

23. STEAM POWER DEVELOPMENT.

(a) Give brief description of steam power plant, if any, number and size of boilers, number and size of power units.

1-Three Drum Babcock and Wilcox Co. boiler, 600 H.P. 175 lb. pressure.
1- Taylor stoker, motor driven.
1- American Blower Co. forced draft fan Size 4½ No. 48163.
1- Buffalo Steam pump 10"x6"x12" - No 45940.
1- Worthington Pump Size Mm 190x 114x 254. - Inches 7.5x4.5x10" Boiler Feed - No 817449W.
1- Westinghouse Surface Condenser Size 1600 Sq.ft. Serial No 2240.

The steam boiler runs the following:-

1-unit.
- 1- G.E. Turbine No 27228 - 750 KW - 3600 R.P.M. - 3 Stage - 175 lbs. steam pressure condensing.
- 1- Alternating Current Generator Type ATP-2 ; 937 KVA. 1137 Amp., 3600 R.P.M., 80% P.F., 750 KW, 60 Cycles; 480 Volts

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1-unit.
- 1- Westinghouse Steam Turbine No 951 - 3500 R.P.M.
- 1- Westinghouse Direct Current Generator 25 KW - 125 V. 200 Amp. 3500 R.P.M. Serial No 800107.
- This is exciter for above G.E. Generator.

1-unit.
- 1- Curtis Steam Turbine by G.E. Company. No 9095 - 100 K W; 3600 R.P.M. - Form E - Steam pressure 150 Condensing.
- 1- Alternating Current Generator No 482684 - P.F. 80% - Type ATB - 2-125-3600 - Form T - K.W 100 - Volts 600 - Amp 120 - Speed 3600 R.P.M.
- 1- Direct Current Generator No 411493 Type ED2 - 3½ KW - 3600 - Amp. 28 - Speed 3600. Volts No Load 125 - Full Load 125.
- This Unit has never been used.

1- Steam Engine in Screen House for dryers - 86 H.P.

The necessary switches, ammeters, voltmeters etc., for the control of the above electrical equipment are mounted on a switch board in the Engine Room.

The following transformers are on a roof adjacent to the Engine Room.

3- Maloney Electric Co. Transformers - St. Louis, Mo.

1-100 K.V.A; 55°C rise; T-Auto type; 3 phase; 60 Cycles. Imp. 45 Serial No 266 482; H.V. 600 Y; L.V. 400 Y;

1-75 K.V.A; 55°C rise; T-Auto type; 3 phase; 60 cycles, Imp. 1.15; Serial No 266481; H.V. 440 Y; L.V. 220 Y;

1-25 K.V.A, 55°C rise, 60 cycles; 1 phase; Serial No 264447; Polarity Additive, H.V. 230. L.V. 115. H.V. 460 L.V. 230.

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(b.) Total power available.
1200 H.P. 200% rating.

(c.) Average power used.
600 H.P.

(d.) Duration of use.
Twenty-four hours, when mill is in full operation.

(e). Coal for power purposes
(I) Kind of Coal used.
Cannel - Fusing point of ash 2850° F: less then 1% Sulphur 8% ash.

(II). Amount of Coal used in tons per year for last five years.
Seven thousand eighty two (7082) tons used in 1931 is a fair average.

(III) Annual cost of coal for last five years.
This information was refused.

(f) Operating force.
Four (4) Men.

24. PURCHASED POWER.

(a). From whompurchased.

Stand by power from Consolidated Gas, Electric Light and Power Co.

(b). Amount purchased annually for last five years.

Year	Kilowatt Hours	Cost.
1929	58,487	1673.75
1930	22,988	821.28
1931	30,404	1020.10
1932-9 Mos.	36,960	1088.64

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(c.) Schedule of power rates.

Primary 440 Kilw. Hours. @ $0.07 monthly.
Secondary 360 " " @ 0.035 "
Remainder @ 0.025 "

All subject to a 4% discount for payment with 10 days.

25. INDUSTRIAL USES OF WATER, OTHER THAN FOR POWER.

(a.) Character of use.

Used for fire purposes: water is pumped into a 200,000 gallon masonry reservoir and from there it fills a water system that is used for fire protection at Village and plant.

For Condensers at boiler.

Water is taken from mill race, thence through filters after which it is used for boiler feed and also for manufacturing purposes.

(b). Amount used for Steam.

1500 g.p.m. for Condensers - raw water.
300 g.p. day for steam - filtered, based on 15% loss:-
Steam made: 710 lbs. per hour.

(c.) Amount used for process.

1000 gallons per minute.

26. PLAT SHOWING TO APPROXIMATE SCALE:-

(a.) Location of privilege, property lines, dam, and appurtenant Structures.

(See Attached Plan.)

(15)

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(b). Location of Plant and Buildings.

(see Attached Plan.)

28. NAME OF INVESTIGATOR ON EACH SECTION AND DATES WHEN DATA WERE OBTAINED.

H.S. Shryock - Plant Valuation Engineer.
A.F. Di Domenico - Ass't. Plant Valuation Engineer.

Information on plant obtained from August 17 to August 29, 1932.

Information on slope of mill race taken on October 3, 1932. Depth of race was only about 2.8' on that date.

Information from Consolidated Gas. Co. as to power purchased obtained October 4, 1932.

Photographs taken :- Sept. 29, 1932.

27 - Repeat Question & Answer as in Origin # 2

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29- TAX ASSESSMENT OF PRIVILEGE

(a) Last two assessments in as much detail as possible.

1927 - Baltimore County.

In name of Thistle Cotton Mills, Inc. In 1929 transferred to Maryland Trust Co., Trustees

92.5 acres - N. Side Patapsco River near Ilchester @150.00	13,875.00	
Office	500.00	
Weaving Room	10,000.00	
Stable	250.00	
Scales	100.00	
Wagon Shed	50.00	
Garage	150.00	
Machine Shop	2,000.00	
Boiler Room	1,000.00	
Spinning Mill	10,000.00	
Old Mill	5,000.00	
Water Supply	1,750.00	
Stone Building on race	300.00	
14 Double Houses @ 700.00	9,800.00	28 275
Manager's House	1,200.00	
1 Single House	800.00	
5 Double Houses	3600.00	
10 Stone Houses @ 700.00	7000.00	
1 Garage	150.00	
1 Ice House	75.00	
1 Covered Reservoir	200.00	
1 Double House	600.00	
1 Store and Hall	1300.00	
1 Storekeeper's House	1500.00	
Total - Baltimore Co.		71,200.00

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Brought forward (Baltimore County) $71,200.00

1927 - Howard County.
In name of Thistle Cotton Mills, Inc.
10 acres tillable land @ 103.50 1035.00
Water rights and dam 1000.00 2,035.00

Total for 1927 in both counties 73,235.00

Abatements subsequent to 1927
In Baltimore County

1929 - Spinning Mill 5000.00
10 Stone Houses 2000.00
Land 6000.00
Old Mill 2000.00
Weaving Mill 5000.00 20,000.00

1930 - Office Building 500.00
1 - Double Dwelling 700.00 1,200.00

Total Abatement 21,200.00

Additional Assessments

1930 - New Sheet Iron Bldg. 1000.00
Addition to Brick Mill 2000.00
Addition to Boiler Room 800.00
Water Tank 800.00

Total Additions 4600.00 4600.00

Net Abatements 16,600.00 16600.00

Total Assessment for 1930, both counties 56,635.00

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1922 - Baltimore County.

In name of Thistle Cotton Mills, Inc.

92.5 acres N.S. Patapsco River near Ilchester	$ 17,475.00
Weaving Mill	12,265.00
Machine Shop	1,580.00
Spinning Mill	14,075.00
Water Supply	1,750.00
Picking Mill	2,110.00
Office	450.00
Coal Bin	105.00
Barn and Stable	260.00
Paint Shop	1460.00
Smoke Stack	400.00
Corn House	50.00
Store Keeper's House	1250.00
Double House	580.00
Store and Hall	1500.00
3 - Double Houses	1285.00
Manager's House	1170.00
2 - Double Houses	1260.00
3 - " "	2350.00
2 - " "	1570.00
6 - " "	4205.00
2 - " "	2160.00
Carriage House	340.00
Dwelling House	420.00
Covered Reservoir	210.00
2 - Double Houses	1070.00
3 - " "	1825.00
2 - " "	1300.00
2 - " "	1420.00
2 - " "	1485.00
Amount forwarded	$ 77,400.00

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Amount brought forward		$77,400.00
1-Double House	625.00	
Ice House	50.00	
Shed	210.00	
2-Sheds	60.00	$78,325.00

1922 - Howard County
In name of Thistle Cotton Mills, Inc.

10 acres tillable land @103.50	1035.00	
Buildings	1000.00	2035.00

Total for 1922 in both counties 80,360.00

(b) The practice of tax assessor in determining assessments (Percentage of Actual Valuation)

Baltimore County
65% of actual value

Howard County
75% of actual value

(c) Sources of Information.

Baltimore County
Court House, Towson, Md.
1927 - Liber 1 : Folios 132 - 650
1922 - Liber 1 : Folio 772

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Howard County
Court House, Ellicott City
1927 - Liber - District No. 2 : Folio 14
1922 - Liber - District No. 2 : Folio 226

(d) Dates of obtaining data.

Baltimore County: February 15, 1933

Howard County: February 17, 1933

(e). Information from State Tax Commission as to Capital or Stock Issue of Corporation.

Stock issued = $100,000.

Request №13

BALTIMORE COUNTY

HOWARD COUNTY

Reservoir 200,000 Gals for fire Use.

Water Tank

Artesian Well Pump

Domestic Reservior 60,000 gals.

INNWOOD AVE.

COUNTY ROAD

OLD THISTLE ROAD.

Church

COLE ST.

Store

ROAD

Drinking Water Reservior

office

Engine Room

Stitching Room and Paper Box Factory

Printing Building

Ware House

Machine Shop & Board Mill

Boiler House

Screen House

THISTLE MILL RACE

Stone Wall

Filters

Tank

RIVER PATAPSCO ROAD

RIVER

Bartgis Bros. Dam

B & O. R. R.

ILCHESTER STATION

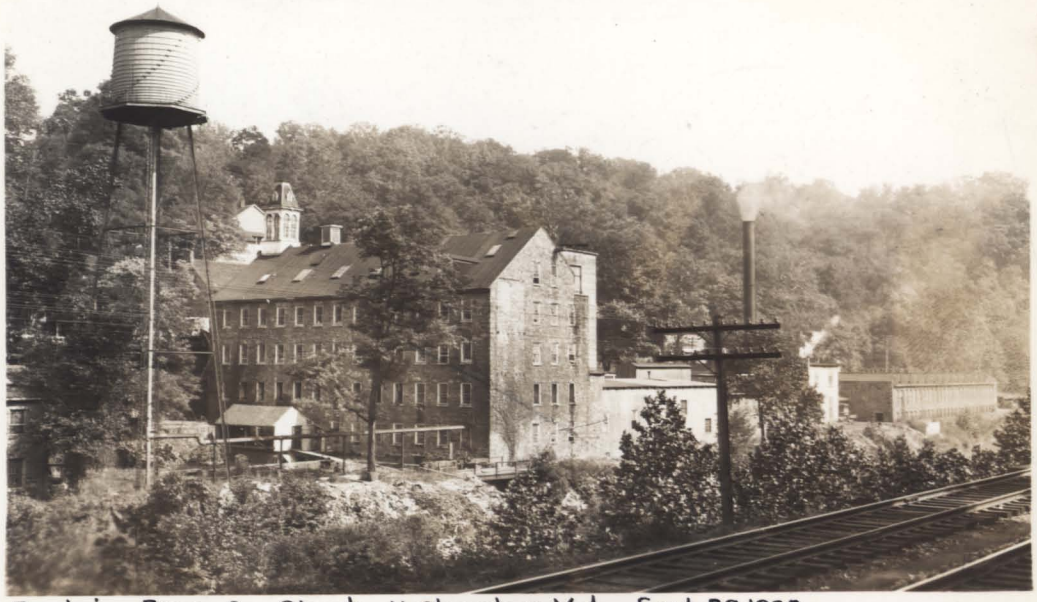
PLAT SHOWING LOCATION — of BARTGIS BROS. PROPERTY on- PATAPSCO RIVER- at ILCHESTER, BALTO. COUNTY, MD.

Scale: Approx. 1"=200'

October 1, 1932

Request Item No 13
Privilege No P-3.

BARTGIS BROS. CO.
ILCHESTER, MD.



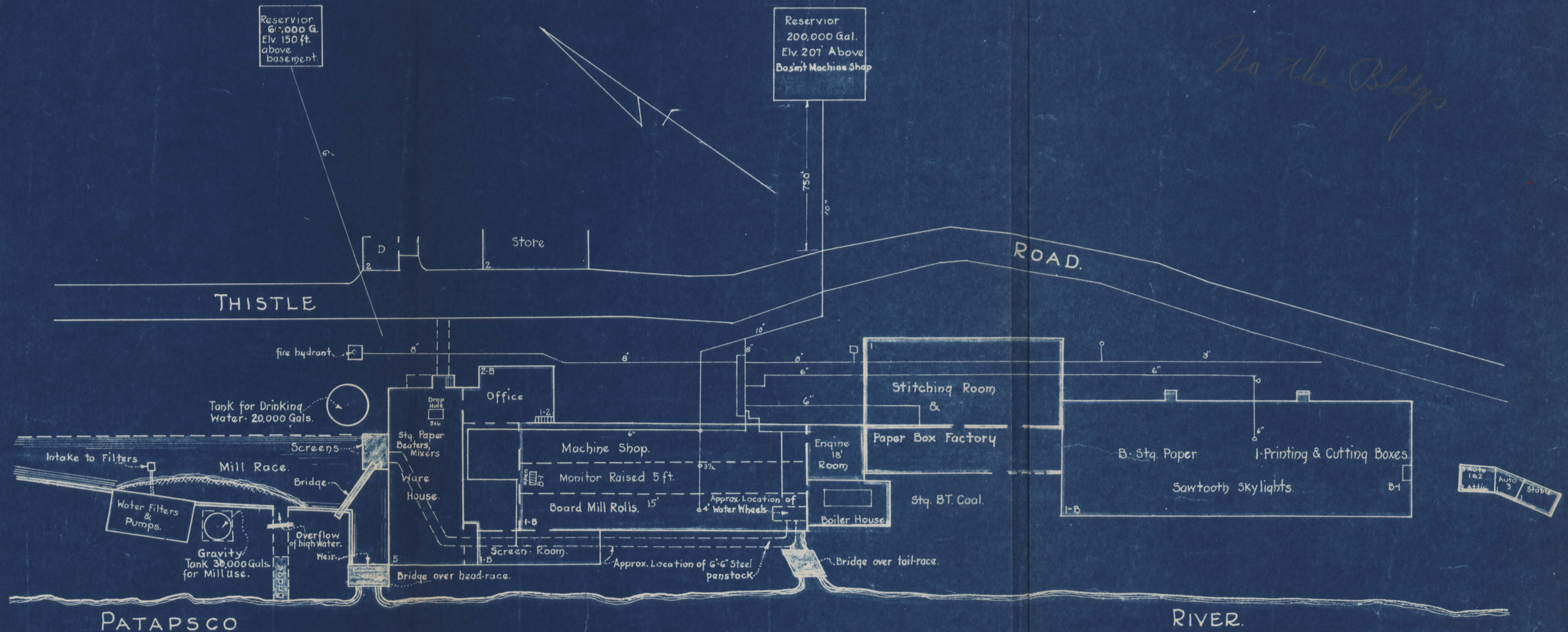
Bartgis Bros. Co. Plant- Ilchester, Md. Sept. 29, 1932.

36

Dam for Bartgis Bros. Co. Plant- Ilchester, Md. Sept. 29, 1932.

37

Request Item No 13.



BARTGIS BROS. CO. PLANT.
ILCHESTER, BALTO. CO. MD.
Scale: 1"-50' Oct. 3, 1932.

PRIVILEGE ~~No~~ P-4.

Consolidated Gas Electric Light & Power Co. of Baltimore.

GRAYS MILL, MD.

Request Item No. 13

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT WATER AND WATER POWER RIGHTS FILE NO.

Patapsco Project ACC. NO.

LOCATION···· GRAYS MILLS Privilege No. P-4 FROM TO

COMPUTED BY H. S. Shryock CHECKED BY A. F. DiDomenico DATE October 14 1932

MADE IN CONNECTION WITH WORK

Inactive Privilege

Request Item No. 13

WATER AND WATER POWER RIGHTS

Patapsco Project
Privilege No.- P-4

LOCATION···· Grays Mills.

1 - CORPORATE NAME OF OWNER OF PRIVILEGE

Consolidated Gas Electric Light and Power Co. of Baltimore.

2 - LOCATION OF PRIVILEGE

Grays, on River Road near its intersection with Frederick Road.

3 - BRIEF DESCRIPTION OF PRIVILEGE

Ruins of a large stone mill; a washed out timber faced dam and a low timber faced dam a short distance up stream.

4 - HISTORICAL DATA ON PRIVILEGE

(a) - Dates of various acquisitions.

Patapsco Electric & Manufacturing Company of Maryland to Consolidated Gas Electric Light and Power Company of Baltimore (lease) May 1st., 1913.

Patapsco Electric & Manufacturing Company of Delaware and Patapsco Electric & Manufacturing Company of Maryland to Consolidated Gas Electric Light and Power Company of Baltimore, April 4, 1928

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(b) Changes in ownership

Gray Manufacturing Company to John M. Bone	May 19, 1897
J.M. Bone and wife to J.H. Gaither and wife	December 28, 1900
J.H. Gaither and wife to Victor Bloede	December 28, 1900
Victor Bloede and wife to Patapsco Electric & Manufacturing Company of Delaware	October 2, 1901
J.H. Gaither and wife to Patapsco Electric & Manufacturing Company of Delaware	October 2, 1901
Patapsco Electric & Manufacturing Company of Delaware to Patapsco Electric & Manufacturing Company of Maryland	May 5, 1910

(c) Information on sales or rentals

Patapsco Elec. & Mfg. Co. of Maryland to W.H. Bach	August 23, 1917	3.840 acres.
Patapsco Elec. & Mfg. Co. of Maryland to Edw. A. Rodey	November 13, 1919	0.049 acres
Patapsco Elec. & Mfg. Co. of Maryland to J.W. Neal	September 21, 1920	
Patapsco Elec. & Mfg. Co. of Maryland to Otis Jett	September 1, 1920	5.792 acres
Patapsco Elec. & Mfg. Co. of Maryland to Wm. Miller and wife	November 22, 1920	2.400 acres
Patapsco Elec. & Mfg. Co. of Maryland to Rosa M. Reed	September 25, 1920	0.040 acres
Patapsco Elec. & Mfg. Co of Maryland to D. Cavey and wife	May 24, 1921	0.990 acres
Patapsco Elec. & Mfg. Co. of Maryland to W.R. Reedy and wife	January 14, 1922	1.560 acres.
Patapsco Elec. & Mfg. Co. to Charles A. Burke	June 26, 1923	1.890 acres.
Patapsco Elec. & Mfg. Co. to Jesse W. and Mary E. Ruff		0.165 acres

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ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-4 FILE NO.

ACC. NO.

FROM TO

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MADE IN CONNECTION WITH WORK

Patapsco Elec. & Mfg. Co. to Bernard and Mary Miller September 26, 1923 1.260 acres
Cons. Gas Elec. L. & P. Co. ~~& Jr.~~ to State Roads Comm. of Md.

5 - TOTAL AREA OF WATERSHED ABOVE PRIVILEGE

Nine and four tenths square miles less than that above Avalon dam. = 307. Sq. Miles. (approximately)

6 - AREA OF WATERSHED USED

None at present time.

7 - AMOUNT OF WATER UNDER PRIVILEGE

(a) Claimed

Enough for mill purposes.

(b) Granted

8 - Not applicable

9 - FALL OR HEAD UNDER THE PRIVELEGE

(a) Claimed

Full flow of river : maximum development.

(b) Granted

10 - 13 - Not applicable

14 - LOCATION OF DAM

Ruins of main dam are near River Road about 200 feet from its intersection with Frederick Road.
Another dam is still intact about 250 feet upstream from the main dam.

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ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-4 FILE NO.

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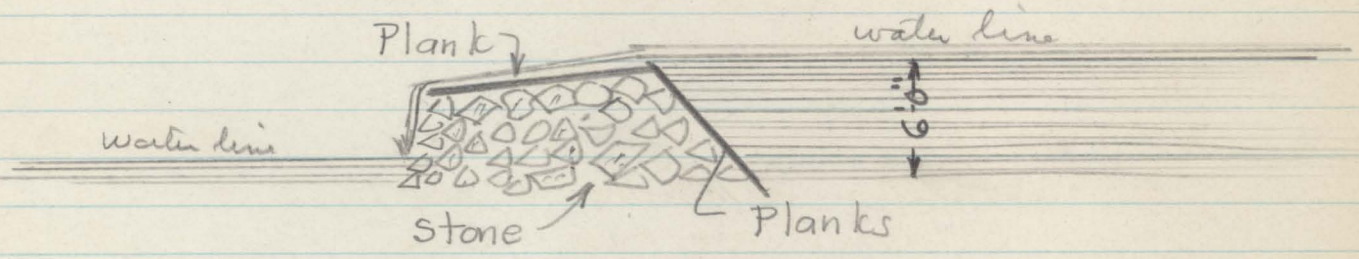
MADE IN CONNECTION WITH WORK

15 - DESCRIPTION OF DAM

Both dams were timber faced: rock filled: plank spillway



16 - HEAD RACE OR CANAL

Only some traces remain

17-18 - Not applicable

19 - LOCATION OF PLANT USING PRIVILEGE

The only building now in use is a small stone building 18.5' x 26' adjacent to the ruins of the old mill. It has been made into a power sub-station by the Consolidated Gas Elec. L. & P. Co. However no power is generated here. The building is on the River Road as shown on accompanying map.

20 - HISTORICAL DATA ON PLANT

(a) - Dates of original uses

(b) Character of original uses

Cotton and Textile Mills

(c) Changes in ownership and present owner or lessee.

See answers to number 4

5

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ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-4 FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

d- Information on sales or rental of plant.

No sales or rentals of plant since it was acquired by Cons. Gas Electric Light & Power Co.

Parcels of land sold off as tabulated under question number 4-c

21 - 25 - Not applicable

26 - PLAT SHOWING TO APPROXIMATE SCALE.-

(a) Location of privilege, property lines, dam and appurtenant structures

See attached map.

(b) Location of plant and buildings

See attached map.

28 - NAME OF INVESTIGATOR ON EACH SECTION AND DATES WHEN DATA WERE OBTAINED.

H. S. Shryock - Plant Valuation Engineer
A. F. Di Domenico - Assistant Plant Valuation Engineer.

August 29, 1932 - Data obtained in field
October 10, 1932 - Data on land ownership, sales etc. obtained from Cons. Gas E. L. & P. Co. of Balto.

Photographs taken - Jan. 30, 1933.

27- Repeat Question + Answer as in Privilege # 2

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29- TAX ASSESSMENT OF PRIVILEGE

(a) Last two assessments in as much detail as possible.

1927 - Baltimore County.
In name of Con. Gas Electric Light & Power Co.

28.313 acres - cor. Frederick Road and River Road, 3/4 mile S.E. of Ellicott City	$3540.00	
School House etc. on above	765.00	
Old Cotton Mill Building	6415.00	
Sub-station Gray's Mill	5775.00	$16,495.00

1927 - Howard County.

6 1/2 acres	@ 100.00	648.00

Total for 1927 in both counties $17,143.00

1922 - Baltimore County
In name of Con. G. E. L. & P. Co.

31.418 acres intersection of Frederick Rd. and River Rd. 3/4 mile S.E. of Ellicott City	3812.00	
Dwelling No. 1	2186.00	
" No. 2	360.00	
" No. 3	180.00	
Garage	123.00	
Stable	350.00	
Corn House	100.00	
Controller House	5776.00	
Mill	6417.00	$19,304.00.

1922 - Howard County

6 1/2 acres	@ 100	650.00
Total for 1922. in both. counties		19,9.5400

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Total assessment for 1922 19,954.00

Subsequent Sales.

Baltimore County

	Assessment	
1924 - 1¼ acres to Miller	157.00	
House	360.00	
Lot 60x120 (Ruff)	25.00	
1925 - 1.89 acres to Burke	236.00	
House No. 1	2186.00	
1.56 acres (Reedy)	195.00	3,159.00

Total since 1925, both counties 16,795.00

(b) The practice of tax assessor in determining assessments (Percentage of Actual Valuation)

Baltimore County.
65% of actual value

Howard County.
75% of actual value

(c) Sources of Information

Baltimore County
Court House, Towson, Md.
1927 ... Liber 1 : Folio 232
1922 ... Liber 1 : Folio 190

Howard County
Court House, Ellicott City, Md.
1927 - Liber - District No. 2. Folio 30
1922 - Liber - District No. 2 - Folio 157

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(d) - Dates of obtaining data

Baltimore County - February 14 and 15, 1933.

Howard County -- February 17, 1933.

Request Item No 13.
Privilege No P-4.

CONSOLIDATED GAS ELECT. LIGHT & POWER CO. of BALTO.

Grays Mill.

P-4

Cons. Gas. & Elect. Co. - Ruins of Gray's Mill Jan. 30, 1933.

44

P-4.

Cons. Gas. & Elect. Co. Ruins of Gray's Mill Dam Jan. 30, 1933.

45

Note:
Jurisdiction and control of Patapsco River is with Baltimore & Carroll Counties according to the law of the year 1726.

Note:
Location of Transmission Line with angles and distances on property lines adjacent thereto obtained from a topographical plat and survey data made in the Distribution Department when locating Steel Towers, dated May 23, 1927.

Note:
Angles shown on Areas "H", "J", & "L" figured from bearings shown on the survey of these parcels made by E. V. Coonan & Co. December 17, 1921. Distances taken from same survey.

Note:- Recorded in Register of Wills Office of Baltimore City in Account of Sales T.W.M. # 76. (2)

Note:- Recorded in Register of Wills Office of Baltimore City in Account of Sales T.W.M. # 76. (3)

Note:
Recorded in the Register of Wills Office of Baltimore City in Account of Sales T.W.M. No. 76. Surveyed by Charles McClean, County Surveyor 1896. Revised by Edward V. Coonan & Co., Surveyor July 1913. Location of Roads and Patapsco River changed to conform with physical conditions as existing November 1931. Chain measured locations only. Not surveyed.

Deeds of Purchase.

No.	Grantor	Grantee	Date of Deed	Deed Reference	Area in Acres	Remarks
	Gray Manufacturing Co.	John M. Bone	5-19-1897	N.B.M. 229-11.		
	John M. Bone & wife.	J. H. Gaither & wife	12-28-1900	N.B.M. 248-472. J.H.O. 72-624.		
	J. H. Gaither & wife	Victor Bloede	12-28-1900	N.B.M. 248-473. J.H.O. 72-626.		
	Victor Bloede & wife. J. H. Gaither & wife.	Patapsco E. & M. Co. of Del.	10-2-1901	N.B.M. 257-46. J.H.O. 74-312.		
	Patapsco E. & M. Co. of Del.	Patapsco E. & M. Co. of Md.	5-5-1910	W.P.C. 364-53. W.W.L.C. 95-373.		
	Patapsco E. & M. Co. of Md.	Consolidated G.E.L. & P. Co.	5-1-1913		58.479	Lease incl. Coopers Run Prop.
	Patapsco E. & M. Co. of Del.	Cons. G.E.L. & P. Co. & Tr.	4-4-1928	H.S.K. 133-376. W.H.M. 652-264. S.C.L. 4880-181.		Deed of all property and assets.
	Patapsco E. & M. Co. of Md.	Cons. G.E.L. & P. Co. & Tr.	4-4-1928	H.S.K. 133-369. W.H.M. 652-251. S.C.L. 4880-125.		Deed of all property and assets.

Deeds of Sale.

No.	Bounds	Grantor	Grantee	Date of Deed	Deed Reference	Area in Acres	Remarks
	Areas A & B	Patapsco E. & M. Co. of Md.	W. H. Bach	8-23-1917		3.840	
	Area C.	Patapsco E. & M. Co. of Md.	Edw. A. Rodey	11-13-1919		.049	
		Patapsco E. & M. Co. of Md.	J. W. Neal	9-21-1920			Assignment
	Area-D.	Patapsco E. & M. Co. of Md.	Otis Jett	9-1-1920		5.792	
	Area-F.	Patapsco E. & M. Co. of Md.	William Miller & wife	11-22-1920		2.400	
	Area-E.	Patapsco E. & M. Co. of Md.	Rosa M. Reed	9-25-1920		.040	
	Area-G.	Patapsco E. & M. Co. of Md.	D. Cavey, & wife.	5-24-1921		.990	
	Area-H.	Patapsco E. & M. Co. of Md.	W. R. Reedy, & wife	1-14-1922		1.560	
	Area-J.	Patapsco E. & M. Co.	Charles A. Burke	6-26-1923		1.890	
	Area-K.	Patapsco E. & M. Co.	Jesse W. & Mary E. Ruff			.165	
	Area-L.	Patapsco E. & M. Co.	Bernard & Mary Miller	9-26-1923		1.260	
	Area M	Cons G.E.L. & P. Co. & Tr.	State Roads Comm of Md.				

(1) Main Tract Area in Acres - Land in Baltimore County	51.410
(1) Main Tract Area in Acres - Land in Howard County	5.500
(2) Area in Acres - Lot No. 185 near Cooper's Run	.049
(2) Area in Acres - Lot No. 188 near Cooper's Run	.040
(3) Area in Acres - Two Parcels at Cooper's Run	11.480
(1)(2)(3) Total Area in Acres Originally Owned	58.479
Area in Acres Sold Prior to January 1923	14.671
Area in Acres Sold After January 1923	3.315
Total Area in Acres Sold - January 1932	17.986
Total Area under Water in Acres	10.780
(1) Area in Acres Now Owned - Main Tract	40.003
(3) Area in Acres Now Owned - Cooper's Run	0.490
Total Area in Acres Now Owned	40.493
Total Area in Acres Now in Use	.0314

References		
3239-D	Property Plat - Main Tract - Coonan - 7-13	
	Property Plat - Main Tract -	2-4-25
3240-A	Property Plat - Coopers Run - Coonan - 7-13	
3241-A	Property Plat - Coopers Run - Coonan - 7-13	
3239-C	Property Plat - Main Tract -	11-12-20
3239-DX	Coonan Survey Part of Tract	12-17-21
3240-C	Property Plat - Cooper's Run	12-16-20
	Property Plat - Cooper's Run	3-5-25
12545-D	Property Plat Main Tract	1-29-25
101401-D	Property Plat Loc. of Bldgs.	2-15-32
Plat # 55 & 56	State Roads Comm (Contr. B-240-711)	

Revisions	Date	Description	
B	8-30-32	Co. names & Boundary Note added	R.L.W.
A	6-3-32	Information Area M Added	C.F.

G-8 G-7 G-6 G-5 G-4 G-3 G-2 G-1

PROPERTY PLAT
DEED DATA
GRAY'S MILLS
INCLU. PARCELS AT COOPERS RUN

CONSOLIDATED GAS ELECTRIC LIGHT AND POWER CO. OF BALTIMORE, MD.
ELECTRIC ENGINEERS DEPARTMENT

Drawn R.L.W. Date 2-25-32
Traced C.L.W. Date 3-25-32
Checked L.M.F. 3-26-32
Approved [signature]

Scale 1 inch = 100 feet
Use dimensions only

101,402-D

PRIVILEGE No P-5.

Continental Milling Co.

ELLICOTT CITY, MD

Operated By Doughnut Machine Corp.

Request Item No. 13.

1

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT WATER AND WATER POWER RIGHTS FILE NO.
Patapsco Project ACC. NO.
Privilege No. P-5 FROM TO
COMPUTED BY H.S. Shryock CHECKED BY A.F. DiDomenico DATE 19
MADE IN CONNECTION WITH WORK

47

LOCATION ELLICOTT CITY, MD.

Active Privilege

1 - CORPORATE NAME OF OWNER OF PRIVILEGE

Continental Milling Co.
Operated by Doughnut Machine Corp. under lease.

2 - LOCATION OF PRIVILEGE

East Side of Patapsco River near Ellicott City.

3 - BRIEF DESCRIPTION OF PRIVILEGE

As operated at the present time it consists of a dam, mill race, large mill building water wheels etc.

4 - HISTORICAL DATA ON PRIVILEGE

(a) - Dates of various acquisitions

1925

(b) - Changes in ownership

C.A. Gambrill Manfg. Co.
Shapiro & Roney
Continental Milling Co.

(c) - Information on sales or rentals.

Continental Milling Co. rented mill building: race etc. to Doughnut Machine Corp.
Doughnut Machine Corp. purchased three parcels of land on East side of mill race from Continental Milling Co. as follows:

2

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ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

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COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

(c) 1- Property on N.E. corner of Westchester Ave. and Frederick Road

2- Two properties on East side of Frederick Road just South of Pump Lot.

Lease is for twenty-five years from Jan. 1, 1930

Date of sale of above properties = January 1, 1930.

5- TOTAL AREA OF WATERSHED ABOVE PRIVILEGE.

Fourteen Sq. Miles Less than at Avalon Dam approximately # 302.4 Sq. Mi.

6- AREA OF WATERSHED USED

Fourteen square miles less than at Avalon

Depends on demand and stream flow

7- AMOUNT OF WATER UNDER PRIVILEGE

(a) - Claimed.

Enough for mill purposes

(b) - Granted.

8. AMOUNT OF WATER USED

(a) Power

125,000,000 gallons per at full Capacity (for one wheel only)

(b) Process

100,000 gpd (10 hours) in summer

30,000 gpd (10 hours) in winter.

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9 - FALL OR HEAD UNDER THE PRIVILEGE

(a) - Claimed

Twelve feet

b- Granted.

10 - FALL OR HEAD USED OR DEVELOPED.

Twelve feet fall from Mill race at screens to Tail race.

11 - DATA ON MILL POND

(a) Approximate Area

3.65 acres

(b) Approximate Depth

I - Total Available

Three feet

II - Available.

(c) Approximate Capacity.

I - Total

2,400,000 gals.

II - Available

12 - SUPPLEMENTARY STORAGE RESERVOIRS, IF ANY

(a) - Available Capacity

Tank on Ninth Floor of Mill - for Fire Protection - Capacity 1400 Gallons.

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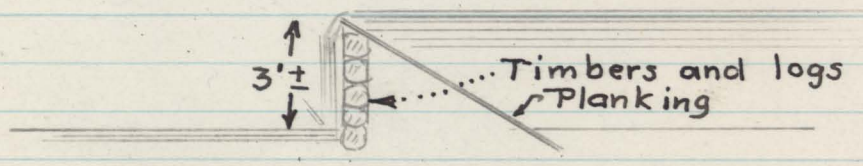
13 - Stream Flow Data / see Request Item 10

14.- LOCATION OF DAM

On Patapsco River just north of Frederick Road Bridge at Ellicott City. (See Attached Plat.)

15 - DESCRIPTION OF DAM

A timber dam: face formed of logs and timbers: up-stream side of planking laid about 30° to the horizontal. (See Attached Photograph.). 8.C2



16 - HEAD RACE OR CANAL

(a) - Length

Sluice Gates to Screens = 658.0'

(b) - Cross-section.

Averages 25' wide by 4' deep (water.)

(c) - Slope

0.0002568

(d) Discharge capacity.

128,500,000 gpd.

(e) Character of construction.

Well constructed rubble wall sides: earth bottom.

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17 - WATER WHEELS INSTALLED.

(a) Number

Two

(b) Type

Vertical - "Z" Type

(c) Name of Makers

The Jas. Leffel & Co., Springfield, Ohio.

(d) Dimensions

33"

(e) Rated capacity of each.

217.5 H.P.

18 - TAIL RACE

(a) Length

190' ±

(b) Cross-section

Varies from 20' to 30' wide: water 2.7' deep: lowest wall 7.0' high: highest 12.2'

(c) Slope

Cannot figure

(d) Discharge Capacity

Sufficient for discharge from wheels

(e) Character of Construction

Rubble wall sides - natural bottom.

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19 - LOCATION OF PLANT USING PRIVILEGE

On East bank of Patapsco River near Ellicott City

20 - HISTORICAL DATA ON PLANT

(a) Dates of original uses

Original building build in 1744

(b) - Character of original uses

Flour Mill.

(c) Changes in ownership and present owner or lessee

1921 - C.A. Gambrill Manfg. Co. to Shapiro & Roney;
1925 - Shapiro & Roney to The Continental Milling Co.,
The Continental Milling Co. to Doughnut Machine Corp. - Twenty-five year lease dated January 1st., 1930

(d) Information on sales or rentals of plant

See No. 4 - c

7)

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21- BRIEF DESCRIPTION OF PLANT

(a) - Product

Flour: Doughnut, Cake and Waffle mixtures.
Doughnut Machines and other baking equipment.

(b) - Description of manufacturing process

Flour is mixed with various proportions of eggs, spices, flavors to produce various types of mixtures.
Doughnut machines are made in the Machine Shop and Plating Room.

(c) - Industrial buildings; character, type, number and size.

Under One roof:- Excellent condition

Cereal Building:

Seven story building - concrete construction: brick exterior: concrete pilasters and lintels exterior. 158.2' x 50.2' x 105'± high

Flour Mill:

Eight story building: concrete construction: Exterior: concrete pilasters and lintels: brick panels: 100.6' x 44.0' x 112'± high

Wheat Building:

Eight story building: concrete interior and exterior: 65' x 46.5 x 118'± high.

All openings in the above buildings are protected by fire doors: all sash are steel.

Power House and Machine Shop. Fair

One story in Power house portion, but Machine Shop portion has two stories which equal the one story in Power House

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stone construction: 50.2 x 50.0',
evidently portion of old mill buildings

Auto-repair shop: Fair
One story brick: rear wall is stone (east wall) of Power House. 50.2' x 20.4'
This shop is rented from Continental Milling Co. but not by Doughnut Machine Corp.

Frame Warehouse: Fair condition
One portion two story 100' x 43.4'
One portion three story 60.3 x 43.4

Transformer House Excellent condition
One story - concrete - 16.8' x 16.5'

Frame Building Poor condition
One story 44.0' x 32.0'

Garage Poor condition
One story frame 39' x 30.5'

The Doughnut Machine Corporation owns the three following buildings on the East side of Frederick Rd.
One 2½ story stone dwelling 36' x 48'. It is in very good condition
One two story corrugated iron building - vacant - 39.5' x 46'. Poor condition.
One two story stone house - 53.5' x 33' - used as a cafeteria. Very Good condition.

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(d) - Manufacturing equipment

Cereal Building

First Floor.

Laboratory contains various electric ovens: dough-nut machines: electric blower.

In south end of building:-

1 - York Manfg. Co. Cooling Drinking Water System has not been in use for five years.

1 - Curtis Compressor No. LB 501 Size 4.5 x 4.5 250 RPM

1 - Tank 12" diam. x 60" and gauge

1 - G.E. Motor No. 2326251 Type KT 750-4-7.5-1800 Volts 440 1740 RPM. Full load. Amp. 40.8 7.5 H.P. Cont. 50°C 3ph. 60 cycles. Form C

1 - CR 1034 G.E. Starting Compensator.

The above used for spraying-on paint.

Second Floor.

Sheet Metal Room

1 - Motor drives the following:-

1 - Punch Press

1 - Drill

1 - Emery Wheel

1 - Cutter

1 - Saw - motor driven

1 - Power Punch - Motor driven

1 - Cutter - hand operated.

1 Small Punch - Foot power

1 Bender hand

1 Square Shearer - hand

1 Automatic Toledo Scales.

10.-

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Plating Room

on second floor over machine shop in Power House but opening into Sheet Metal Room only.

5- Plating Tanks
1- Emery Wheel - motor driven
1- Hot water tank
1- Lye Tank
1- Exciter and generator for plating.

here P.5th

Third Floor
Machine Shop

1- G.E. Induction Motor 15 H.P. runs by belting
1 - Prentice Bros. Vertical Bore Mill
1 - Fosdick Horizontal Bore Mill
1 - Fosdick Vertical Drill
1- G.E. Motor 10 H.P. runs
1 Gardner Machine Co. Disc Grinder.
1- G.E. Motor 15 H.P. runs by belting
1 - Robertson Mfg Co. Power Saw.
2 - Walcott Lathes 1-14" : 1-16"
1- Lodge & Shipley - 20" Lathe
1- South Bend Lathe Works - 16" Lathe.
1- Excelsior No 2 - Emery Wheel.
1- Jones & Lamson Co. Jas. Hartness Turret Lathe.
1- " " " " Hartness-Flat Turret Lathe.
1- Bullard Bore Mill.
1- Davis Key Slotter.
1- Bardens & Oliver - Hand Screw Machine No 2.
1- Drill
1- Sipp Quick Change Sensitive Drill Press. 7-Spindle.
1- Henry & Wright Drill - 3 spindle.

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Third Floor (Cont).

Machine Shop.

1- G.E. Induction Motor 15-H.P. Runs by belting
- 1- Excelsior Drill Press.
- 1- Becker Miller #5 Milling Machine - Vertical
- 1- Garvin No 1 Milling Machine; Universal.
- 1- Kemps Smith M'fg. Co. #3 Universal Milling Machine.
- 1- Brown & Sharp - Horizontal Milling Machine.
- 1- 12" Speed Lathe.

1- G.E. Induction Motor 5-15 H.P. Runs by belting
- 1- Rookford 4- Spindle Drill.
- 1- Becker Miller No 6. Vert. Milling Machine.
- 1- Warner & Swasey Co. #4 - Hand Screw Machine.

1- G.E. Motor- 3-5-7.5 H.P. Volts-110-220-440-660
- 1- 21" Cincinnati Drill Press.

1- Clark Emery Wheel- 1/4 H.P. Motor.

1- Portable grinder - G.E. 1-H.P. Motor.

1- Champion Forge & Blower Co. No 10- Drill.- 1/2 H.P. G.E Motor.

1- Seneca Falls M'fg. Co 10" Lathe:- 3/4 H.P. G.E. Motor.

1- Excelsior Drill - 1-1/2 H.P. G.E. Motor.

Tool Room Attached to Machine Shop - Separated by Wire Netting Same Room.

1- G.E. Motor 5-H.P. Runs
- 1- Leblond No 1 Universal Grinder.
- 1- Brown & Sharp #1 1/2 Milling Machine - Universal
- 1- Excelsior No 0. Emery Wheel.
- 1- Excelsior Drill.
- 1- Sebastian 12" Lathe.
- 1- Wilmorth & Norman Co. - New Yankee Grinder.
- 1- 7"- Bench Lathe.

Fourth Floor.

9- Double Mixing Units - Starters - 15H.P- G.E. Motor.

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Fifth Floor.

1- Flour Mixer - Peerless Bread Machine Co. - 60 Gallons.
3-H.P. Motor - Robins & Myers.
8- Traveling Scales.
9- Fat tanks.
18- Feeders and Agitators.
6- Automatic Scales, Hoppers Drives - 1 motor
9- Steel Mixer Sifters.
2- Glue Mixing Machines; Motors.

Sixth Floor.

1- Curtis Air Compressor 7x7 and tank - 15 H.P. G.E. Induction Motor.
2- Fat Tanks.
1- Sugar Bin.
9- Small Sugar Bins - 4' diam. 8' high - Galv. Iron.
9- Large Sugar Bins - 8' diam. 10' high - Galv. Iron.
3- Conveyor Motors - 15 - H.P. Each.
2- Sugar Conveyors.
1- Flour Conveyor.
2- Draver Feeders.
4- A. Huhn Double Drying Units - Induction Motors G.E. 3-H.P. each.
4- Fans and Motors over Dryers - Mikro.
1- Sugar Mikro Pulverizer - 50 H.P. Motor.
1- Electric Hoist.

Seventh Floor.

1- Williams Crusher and Drive - 1- G.E. Motor 10-H.P.@ 40° C - 15 H.P@50° C.
1- Dust Collector.
1- Fan & Motor.
3- Gruendler Sugar Grinders - Motors 15 H.P. Each.

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MADE IN CONNECTION WITH WORK

Seventh Floor (Cont.).

3- Dust Collectors.
3- Hoppers for Sugar.
4- Cooler Machines: Reels & Drives - Motors - 3-H.P. each..
4- Flour dumps.
1- Sugar Feeder - 5 H.P. Motor.

Elevators

1- Freight Elevator 1st Floor to 7th Floor. 20 H.P. Motor.
1- Sugar " 5th " " 7th "
2- " " 5th " " 7th "
1- " " 6th " " 7th "
4- Flour " 5th " " 7th "
1- Humphrey Passenger Elevator 2nd Floor to 8th Floor - 5 H.P. Motor.

Flour Mill

Eighth Floor.

4- No. 22- Niagara Dust Collectors.
2- No. 23- " "
1- No. 24- " "
3- Ceiling Exhaust Fans - 1/6 H.P.

Seventh Floor.

8- 4x27- Nordyke & Marmon Square Sifters.
14- Type 240- D.- Centrifugal Reels.
2- 33x76- Nordyke & Marmon Purifiers.
3- Normalair System Machines.
2- 40x76 Nordyke & Marmon Purifiers
Motor on 4th Floor.

Sixth Floor.

5- Nordyke & Marmon D-Type Centrifugal Reels.
1- Industrial Appliance Bleacher.
6- Alsop 6'- 22" Bleacher Agitator.

Request Item No 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-5. FILE NO.

ACC. NO.

FROM / TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

Sixth Floor (Cont.)

4- 33×76 Nordyke & Marmon Purifiers.
1- 7.5 H.P. G.E. Motor Driving elevator.
1- 34×54 Bran Duster - Nordyke & Marmon.
1- 26×54 Ships Duster - " " "
1- Type 160-D Centrifugal Reel - Nordyke & Marmon.
1- Agene Bleacher.
1- 4 bushel Automatic Scales.

Fifth Floor.

2- Double Flour Conveyors.
2- Single Flour Conveyors.

Fourth Floor.

7- Stands 9×36 Nordyke & Marmon.
Roller Mills.

Third Floor.

3- Wing Type Feeders No 23- Draver Bros.
2- Wing Type Feeders No ER-75L- Draver Bros.
2- No 23 Dravers Feeders.
1- Feeder ER-75L- Draver Bros.

Second Floor.

1- Super Giant Friction Clutch Bran Packer
Invincible D. & Cleaning Co.
2- High Duty Feed Packers.
5- Invincible Flour Packers.
1- Wolfe Rapid Flour Packer
1- Automatic Small Package Flour Packer.
1- Five Pound Hopper Flour Scales.
1- Fifteen (15) H.P. G.E. Motor for driving flour packers.
1- Twenty (20) H.P. G.E. Motor for flour packers.

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First Floor.

1- No 3 Draver Flour Feeder.
2- Five (5) pound Gedge Gray Co. Self Rising Flour Mixers.
   1- 15 H.P. G.E. Motor.
1- Koehler Bag Printing Machine.
1- Bag Cleaning Machine.
   1- 5 H.P. G.E. Motor.

Wheat Building

Ninth Floor.

1- Twenty five (25) H.P. G.E. Motor - Wheat Storage Elevators.
1- Twenty five (25) H.P. G.E. Motor.

Eighth Floor.

1- Fifteen (15) H.P. G.E. Motor for Wheat Tempering machine.
1- No 31- Niagara Dust Collector.
2- 250 bushel Capacity Kirk Dampeners.
3- No 32 Niagara Dust Collectors.
1- No 8 Eureka Magnetic Separator.
2- Cyclone Dust Collectors.
1- Gundler Hammer Mill.

Seventh Floor.

2- No 36. Dust Collectors.
1- No 40. American Blower.
1- 250 Bushel Invincible Double Recleaning Separator.

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Sixth Floor.

1- Nordyke & Marmon Sweeping Mixer
1- 250 bushel Invincible Wheat Scourer.
2- Nº 2-B· Mc Daniel Grain Seperators.
1- Nº 8 Niagara Wheat Scourer.
1- Fifty (50) H.P. G.E. Motor for Wheat Cleaning Machine.
1- Richard Automatic - 1 Bushel Scale.

Fifth Floor.

3- Nordyke & Marmon Round Rolling Wheels.
1- 250· Bushel Prinz Cockle Machine.
1- 250· Bushel Eureka Milling Separator.
1- Double Feed Conveyor.

Fourth Floor.

1- 50 H.P. Grundler Hammer Mill.
1- 15 H.P. Grundler Hammer Mill.
1- 250 Bushel Prinz Cockle Separator.
1- Nº 8 Niagara Upright Scourer.

Third Floor.

1- 450 H.P. G.E. Induction Motor Nº 1049992· for Entire plant.

Second Floor.

5- Built-in Fairbanks Scales.
1- Car Hopper Scales.

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First Floor.

1- Power Shovel
1- Car puller and 25 H.P. G.E. Motor.
2- 40 Bush and Recording Scales.
1- No 42 Decatur Corn Sheller.
1- 10 H.P. Motor.
1- No 9 Invincible Receiving Separator.
1- No 10 " " "
3- No 34 Niagara Dust Collectors.

2- 15 H.P. G.E. Motors
3- 5 H.P. " "
1- 7.5 H.P. " "
1- Wheat Mixing Outfit.
1- Wheat Blending Outfit.
1- American Blower and 15 H.P. Motor.

(e) Number of Employees

125 - 130 Employees.

(f) Area of Land Incident to plant Purposes.

1.8 Acres.

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22 - WATER POWER DEVELOPMENT

(a) - Give brief description of use of water for power with average hours of use per day, opening of gates etc. for the last five years.

2 - Vertical Water Wheels run on 11' head of water

2 - Electric Machine Co., Minneapolis, Minn. generators Serial Nos. 503543 and 503542. 165 KVA 480 V 150 RPM 198 Amp. Cont. time P.F. 0.80 50° Temp. rise 60cyc 3phase

2 - Woodward Water Wheel Governors, Rockford, Ill. Type H-R: Foot pounds 2500 Size 5x9 Nos. 4053 and 4054.

2 - Exciters - Electric Machine Co. Serial Nos. 42840 and 43124 11 KW RL Size Duty Cont 125 Volts. 88 Amp. 1265 RPM.

Gates are open twenty-four hours per day. Surplus current generated is put back into the lines of the Con. Gas Elec. Light & Power Co.

(b) Total power available

225,250 KWH - Eleven months 1931
333,940 KWH - Ten months 1932

(c) Average power used

375 KWH is maximum load.

(d) Duration of use.

Twelve hours on plant work
Other time current goes back into Con. Gas Co's. lines.

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23- STEAM POWER DEVELOPMENT

(a) - Give brief description of steam power plant, if any, number and size of boilers, number, type and size of power units.

2 - Edgemoor Water Tube boilers - High Pressure. Hand fired

2 - Loomis Improved Water Filters - Loomis-Manning Filter Co., Phila: No. 6848.

1 - Worthington Steam pump Boiler Feed
7.5 x 5 x 6 190 x 127 x 152 No. 520304 W.

1 - Worthington Steam pump - Boiler Feed.
6 x 4 x 6 152 x 102 x 152 No. 646859 W.

1 - Cochrane Feed Water Heater & Purifier

In Machine Shop - Adjacent to Power Plant.

1 - Worthington Steam Pump 10 x 6 x 10: 254 x 152 x 254
No 683026-W.
pumps raw water direct from race to sterilizers

1 American Steam Pump Co, Battle Creek
Vacuum Pump 6 x 6 x 12 No. 136583.

The boilers generate high pressure steam for sterilizers: and for heating in cold seasons. The raw water used in the sterilizers is returned to a receiving tank over the boilers. A small quantity of this water goes to the filters to replace water in the boilers, the remainder is returned to the tail race.

The machine shop in connection with the Power Plant contains the following:

1 G.E. Induction motor 10 H.P. drives
1 Drill
1 Emery Wheel
1 Saw

1 CR-1034: GE Starting Compensator controls the above motor

1 Hand Forge

1 Welding Outfit.

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(b) Total power available
500 H.P. Two boilers

(c) Available power used.
One boiler at a time: 120 lbs pressure
250 H.P. One

(d) Duration of use
10 hours per day

(e) Coal for power purposes
I - Kind of coal used
Run of mine

II - Amount of coal used in tons per year for last five years.
1100 tons average for past eighteen months: 1700 ton average before.
Economy effected by changes in coal and methods of firing.

III - Annual cost of coal for last five years
$ 3.76 per ton delivered.
A spur from the B. & O. R. R. brings coal on a trestle next the rear of the mill.

(f) Operating force
Two men.

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24 - PURCHASED POWER

(a) - From whom purchased

Consolidaled Gas Electric Light & Power Co. of Baltimore.

(b) - Amount purchased annually for last five years.

Year	KWH	Cost	KWH returned	Rebate
1928	783,900	$13,934.00	360200	$1008.00
1929	905,900	16,011.00	274700	769.00
1930	923,100	16,165.00	147300	412.00
1931	541,300	11,171.00	119900	335.00
*1932	358,300	7,960.00	176,700	495.00

* For nine months only

(c) Schedule of power rates.

1st: $1.41 per K.W. of Demand : varies monthly from 351 to 491

2nd: $0.009 KWH

For current returned to the lines the Con. Gas Co. allows the Doughnut Machine Corp. $0.0028 per KWH. However this varies as the cost of coal.

Note: The Con. Gas Co. has the following in the Transformer House:

3 - G.E. Transformers Type H Form R.P:
Nos. 1065851 etc. Cap. 300 KVA Volts 1300-880-575

1 - G.E. Transformer Type H: Form K No. 1768737
25 KVA Volts 440-110-220 For lighting

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necessary switches, meters etc.

25 - INDUSTRIAL USES OF WATER, OTHER THAN FOR POWER

(a) Character of use.

For sterilizers, coolers, steam

(b) Amount used for steam.

Almost negligible. Return water from coolers is used as needed.

(c) Amount used for process.

100,000 gpd in summer.

30,000 gpd in winter.

26 - PLAT SHOWING TO APPROXIMATE SCALE

(a) - Location of privilege, property lines, dam and appurtenant structures.

Attached.

(b) - Location of plant and buildings

Attached.

28 - NAME OF INVESTIGATOR ON EACH SECTION AND DATES WHEN DATA WERE OBTAINED.

H.S. Shryock and A.F. DiDomenico

Field Notes October 20 to 25, 1932

Current data from Con. Gas Co. November 1, 1932.

Photographs:- September 29, 1932.

Repeat as in Privilege # 2

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

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29 - TAX ASSESSMENT OF PRIVILEGE

(a) Last two assessments in as much detail as possible.

1927 - Baltimore County.

In name of Continental Milling Co. in 1932 transferred to Baltimore Properties, Inc.		
1.75 acres S.S. Frederick Rd opposite Westchester Ave.	$1500.00	
Cereal Mill	70400.00	
Grinding Mill	37600.00	
Boiler Room	3000.00	
Grain Elevator	20,000.00	
Store House	800.00	
Power House	750.00	
Garage	1500.00	
Water Rights	10,000.00	
Garage	300.00	145,850.00
In name of Doughnut Machine Corporation. (1932)		
Lot 3 - Ellicott City	300.00	
Shop	1500.00	
Dryer Mill	100.00	
Addition to Lunch room	1000.00	
Lot 6 - Ellicott City	400.00	
House	2300.00	
Lot 2 - Ellicott City	500.00	
Garage	1500.00	
Fixtures	150.00	
Tools	150.00	7,900.00
Total - Baltimore Co.		153,750.00

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Total - Baltimore County		153,750.00
Howard County		
In name of C. A. Gambrill and later Baltimore Properties, Inc.		
Abutment to dam		600.00
Total for 1927 in both Counties		154,350.00
1922 - Baltimore County.		
In name of C.A. Gambrill, later Continental Milling Co.		
7 acres, Frederick Rd. Ellicott City	15,000.00	
Grain Elevator	30,455.00	
Grinding Mill	70,400.00	
Cereal Mill	100,000.00	
Boiler Room	2,500.00	
Machine Shop	3,600.00	
Club House	900.00	
Store House	1,280.00	
Elec. Transf. House	765.00	
Water Power	10,000.00	
Laboratory	2,690.00	
Warehouse	6,940.00	
Garage	305.00	
Stone Carpenter Shop	2705.00	
Dryer House	100.00	
½ acre - N.W. Westchester & Frederick Rd	300.00	
House	2225.00	
Warehouse	200.00	
Engine Room	1500.00	
Lot 162'4" x 196' 10" irreg. N.E. Side Frederick Road	175.00	
Total · Baltimore Co ·	252,040.00	

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Total - Baltimore County 252,040.00

Howard County

Abutment to dam 600.00

Total for 1922 for two counties 252,640.00

(b) The practice of Tax Assessor in determining assessments (Percentage of actual valuation).

Baltimore County
65% of Actual Value

Howard County
75% of Actual Value

(c) - Sources of Information.

Baltimore County
Court House, Towson, Md
1927 - Liber 1: Folios 64-2 : 316
1922 - Liber 1: Folio 226

Howard County
Court House, Ellicott City, Md.
1927 - Liber - Ellicott City: Folios 3 and 36
1922 - Liber - Ellicott City: Folio 39

(d) - Dates of obtaining information.

Baltimore County - February 14 and 15, 1933

Howard County - February 17, 1933.

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(e) Information from State Tax Commission as to capital or stock issue of corporation.

Capital employed in Maryland $262,972

Request Item No 13.
Privilege No P-5.

Doughnut Machine Corp
Ellicott City, Md.

Doughnut Machine Corp. – Buildings – September 29, 1932.

61

61

Request Item, No 13.
Privilege No P-5.

Doughnut Machine Corp.

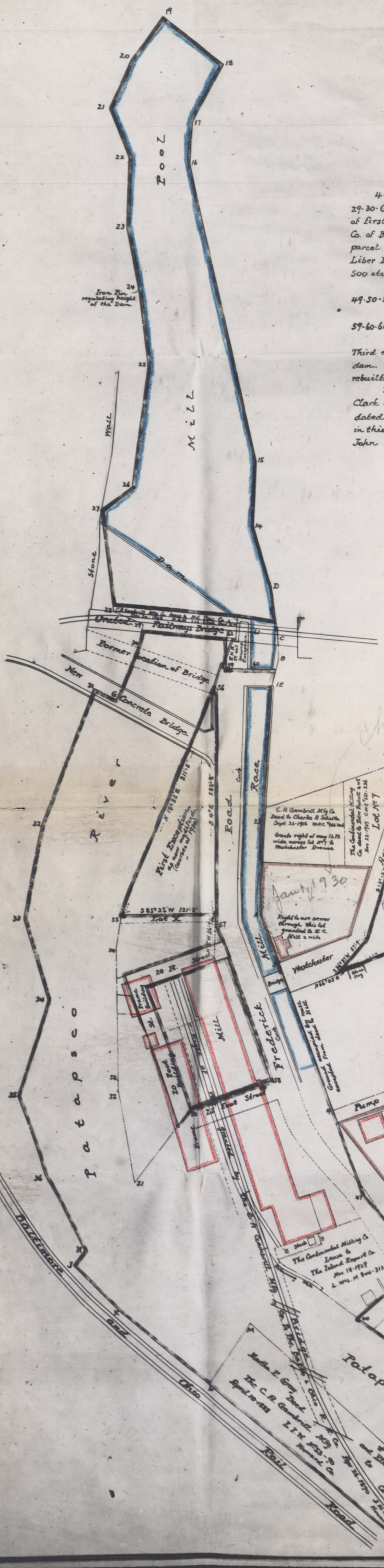
Ellicott City, Md.

P-5.

Doughnut Machine Corp- Ellicott City ÷ DAM ÷ September 29, 1932

P-5

Doughnut Machine Corp. Ellicott City ÷ Mill Race Head Gates ÷ September 29, 1932.



4-5-A-23-1E-B-C-D-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-G-31-32-33-34-35-36-H-J-K-L-M-40-41-42-43-44-45-46-47-4 - Part of first parcel in Deed from R.G. and P.H. MacGill to C.A. Gambrill Mfg. Co. of Baltimore City, June 20-1881 Liber W.M.I. No 123 fol 27 etc. and first parcel John Lee Carroll, Trustee, to C.A. Gambrill. November 21-1868 Liber E.H.A No 59 fol 465 etc. Baltimore County and Liber W.W.W No 28, folio 500 etc. Howard County.

49-50-51-52-53-54-55-56-57-58-49 - First exception in E.H.A No 59, fol 465 etc.

59-60-61-62-59 - Second exception in E.H.A No 59 fol 465 etc.

Third exception in E.H.A. No 59 folio 465 etc. was east of the Mill Pool north of the dam. The improvements were washed away in 1868 by flood and have never been rebuilt.

The parcel marked Lot X is included in a deed from James Clark etc. Admr's of John Tasker to C.A. Gambrill Mfg Co. of Baltimore City dated February 21-1917 and recorded in Liber W.P.C. No 477 fol 114 etc., and in this deed said parcel marked Lot X is stated to be a lot which said John Tasker held and possessed in fee at the time of his death.

Property of
The Continental Milling Co.
Ellicott City
Baltimore and Howard Counties, Md.

The brown shade shows the outlines of the property

Scale - 50 Feet to one inch

Surveyors & Civil Engrs
Balto Oct 15-1930

Request Item 13.
Privilege No P-5.

PRIVILEGE ~~NO~~ P-6.

W.J. Dickey & Sons, Inc.

OELLA, MD.

Request Item No. 13

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT WATER AND WATER POWER RIGHTS — FILE NO.
Patapsco Project — ACC. NO.
Privilege No. P6 — FROM — TO
COMPUTED BY H. S. Shryock — CHECKED BY A. F. DiDomenico — DATE — 19
MADE IN CONNECTION WITH — WORK

64

LOCATION -
Oella, Maryland
Active Privilege

1 - CORPORATE NAME OF OWNER OF PRIVILEGE
W. J. Dickey & Sons, Inc.

2 - LOCATION OF PRIVILEGE
On both sides of the Patapsco River at Oella, Md.

3 - BRIEF DESCRIPTION OF PRIVILEGE
It consists of a well constructed dam, mill race, group of mill buildings, water wheels and a village for homes of employees.

4 - HISTORICAL DATA ON PRIVILEGE
(a) Dates of various acquisitions.
Plant acquired by W. J. Dickey in 1886.

(b) Changes in ownership
1886 - W. J. Dickey from Union Manufacturing Co.
1903 - W. J. Dickey & Sons, Inc. from heirs of W. J. Dickey

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(c) Information on sales or rentals

1907 - Building lots sold to F. Clark
Lot No. 18 - 9.96 acres
No. 19 - 10.57 acres

1920 - Property above the dam on Howard County side sold to the State Forest Reserve - the water rights, however, being retained.

5 - TOTAL AREA OF WATERSHED ABOVE PRIVILEGE

20.48 sq. miles less than at Avalon dam = ~~295.92~~ approx 296 square miles

6 - AREA OF WATERSHED USED.

Depends upon demand & stream flow

7 - AMOUNT OF WATER UNDER PRIVILEGE

(a) Claimed

Total flow of river

(b) Granted

8 - AMOUNT OF WATER USED

(a) Power

93,000,000 G.P.D. to run 40" and twin 30½" Wheels.

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(b) Process.

A 14" pipe brings water direct from race. It divides into a 10" pipe to filters and an 8" to dye house. A head of 6 ft. is developed. = approximately 6,000,000 Gals. per 10 hours.

9- FALL OR HEAD UNDER THE PRIVILEGE

(a) - Claimed

Forty-six and one-half feet

(b) - Granted

10 - FALL OR HEAD USED OR DEVELOPED

Forty-six and one-half feet

11 - DATA ON MILL POND

(a) Approximate Area

Ten and one-half (10.5) acres

(b) Approximate depth

(I) - Total Available

Eleven and one-half (11.5) feet

(II) - Available

(c) Approximate capacity

(I) Total

24,150,000 gallons.

(II) Available

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12- SUPPLEMENTARY STORAGE RESERVOIRS, IF ANY

(a) Available capacity

Two masonry reservoirs on hill top just east of mill.

One 40.5' diameter by 8.2'	=	79,000 gallons
One 38.5' diameter by 10'.	=	87,000 "
Total capacity	=	166,000 "

This water is used for fire protection.

13- STREAM FLOW DATA

(a) Calendar arrangement

See Request Item 10 for full information

(b) Arranged in order of dryness

14- LOCATION OF DAM

On Patapsco River one and one-half miles above Oella Station, B. & O. R.R.

15- DESCRIPTION OF DAM

A hollow reinforced concrete dam: 216 feet long. At each end is a sluice gate, which, when opened, allows all water behind the dam to drain out through two channels. Dam is 8'-6" high. At the east end of the dam are three sluice gates that control the flow of water in the mill race. These gates are at the entrance to the mill race and not in the dam itself.

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16- HEAD RACE OR CANAL

(a) Length

Eight thousand three hundred seventy-nine (8379) feet.

(b) Cross Section

Averages 19' x 5.5'

(c) Slope

0.00015

(d) Discharge capacity

114,000,000 gallons per day

(e) Character of construction.

Earth banks and bottom - well kept up.

Note: At two places between the dam and the intake for the first water wheel are a pair of sluice gates for draining the canal. At the mill itself is a spillway and another sluice gate for draining race.

17 - WATER WHEELS INSTALLED

(a) Number

Four

(b) Type

Horizontal

(c) Name of makers

Poole & Hunt, (or R. Poole & Sons Co.), Balto, Md.

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17- (d) (d) · Dimensions.

South Power House:

1- 40" Water Wheel - 72" Penstock (Steel)

1- 30½" " " - 48" " "

Basement of burnt wheel house

1- 30½" Water Wheel - 60" Steel Penstock

North Power House -

1- Twin 30½" each Water Wheel

48" Penstock - Steel

(e) Rated capacity of each

40" Wheel	320 H.P.
30½" "	180 H.P.
30½" "	180 H.P. - Not used
Twin 30½" "	310 H.P.

18- TAIL RACE

(a) Length

From 40" Wheel - 43'

30½" " - 40'

Twin 30½" " 45'

(b) Cross-Section

40" Wheel - 29' wide x 25± deep

30½" " - 19' by 19'

Twin 30½" " - 18' wide by 11' deep

(c) Slope

Very Slight

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(d) Discharge capacity

Sufficient for discharge from wheels.

(e)- Character of construction.

High masonry walls and natural bottom.

19 - LOCATION OF PLANT USING PRIVILEGE.

On East bank of Patapsco River at Oella, Md.

20- HISTORICAL DATA ON PLANT.

(a) Dates of original uses.

1802 - 1886 - Cotton Mill
1886 - 1903 - Both cotton and wool
1903 to date - Woolens only.

(b) Character of original uses.

See above.

(c) Changes in ownership and present owner or lessee:-

1886 - W.J. Dickey from Union Mfg. Co
1903 - W.J. Dickey incorporated to W.J. Dickey & Sons, Inc.

(d) Informations on sales or rentals of plant.

See 4-(c).

(1) 8

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

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21. BRIEF DESCRIPTON OF PLANT.

(a.) Product

Woolens.

(b.) Descripton of Manufacturing process.

The raw product goes through the following process before becoming the finish product:- Dyeing, Carding, weaving, washing, pressing and Inspection.

(C.) Industrial Buildings: Character: Type: Number & Size.
(Numbers Correspond to those of Attached Plat No 43365)

No 1: Main Building - Brick - Concrete Sills - Automatic Sprinklers Steel Sash - Slag roof - Wood floors on I-Beams - North End not Completed evidently left for an addition. It is now finished with paper over boards. Four Story Building 54' high - 159' Long - 92' wide. Very Good Condition

No 2: Finishing Building - Brick - Concrete Sills - Automatic Sprinklers Steel Sash - Slag roof - wood floors on I-Beams - Four Story Building and basement - 54' high - 132' Long - 58' wide - with 20' basement. Very Good Condition.

No 3. Dye House & Store House. - Brick - Concrete floor & Sills. Steel Sash - Slag roof - Automatic Sprinklers - Five floors and basement - basement 8.8' - 1st Floor 20' high - 2nd floor. 13.5' high. Next three 9.2' high Total 69.9' high - 102' Long 58' wide - Very Good Condition.

None

The above buildings were built after the fire of 1916.

No 4. Pump House: - 12'x9' - Stone - 1-story - Slag roof.

No 5. Boiler House: 46x50' - Stone - Roof, reinforced Concrete on I-Beams and Slag top - Fair Condition.

No 6. Garage: 30x21' - 1-Story brick - reinforced Concrete roof, painted with water proof paint. - Fair Condition.

Requested Item No 13.

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No 7. Smithy:- 46'x22'- 1-Story Frame - Slate roof Automatic Sprinklers- Poor Condition.

No 8. Machine Shop:- 26'x46' - Stone - 3 Story and Attic - Tin roof - Automatic Sprinklers - Poor Condition.

No 9. South Power House:- 20'x42' Stone - Wood sash - Slag roof - Automatic Sprinklers - Good Condition.

No 10.- Two Sections - First 20'x27' - 1-Story brick - Wood Sash - Tar paper on board Roof - Second section 20'x22' - 1-Story tin on wood - Tar paper roof both sections Automatic Sprinklers - poor Condition.

No 11:- North Power House:- 32'x33' 1-Story stone - Wood Sash - Slag roof - Automatic Sprinklers - Good Condition.

They also own the following houses in Oella, Md.

Description	V. Good	Good	Fair	Poor
1-Story Frame - 1 Family			1	1
2- " " 1 "	2	6	7	6
2- " " 2 "			15	
3- " " 2 "			1	
2-Story brick 2-Family			5	
2 " " 1 "				15 *
2-Story-Brick & Stone-Store & Dwelling.				1
2- Story- Stone - 1- Family.				3
2- " " 2 "				4
2- " " 4 "			1	
3- " " 2 "				1
2- " " 1 "			6	6 *
Totals.	2	6	36	37

* Row Houses.

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(d). Manufacturing Equipment:

No 1- Main Building.

1st Floor.

4- Shoddy Pickers - Kitson - Saco Lowell Shops - Lowell, Mass.
2- 40 H.P. G.E. 550 Volts - each runs two of above (they are on the ceiling).
1- 30" Sturdenvant Fan - is run by one of the above motors.
2- 1-H.P. G.E. Motors - blow waste from Carding room.
1- 10 H.P. G.E. Motor A.C. 550 Volts
1- Burr Picker - G.S. Harwood & Son.
1- 25 H.P. G.E. 550 V. Motor runs the following:
1- Bramwell Feeder
1- Curtis & Marble Machine Works - Picker.
1- Bramwell Feeder.
1- Davis & Furber - Fearnaugh Picker.
1- 15 H.P. G.E. 550V. Motor.
1- Bramwell Feeder.
1- Davis & Furber - Fearnaugh Picker.
13- Indestructible Fancy looms 72" - John Mc Closkey.
1- Nub roller - 34" diam - 48" Long.

2nd Floor.

14- Sets - Davis & Furber Cards.
1- 50 H.P. G.E. 550V. Motor.
1- 40 H.P. G.E. 550V. Motor.
1- Davis & Furber - Wool Duster.
1- Card Grinder - B.S. Roy & Son, Worchester, Mass.

3rd Floor.

102- Looms - Crompton & Knowles Loom Works, Worchester. Mass. 48 are Automatic feed.
102- 1-H.P. G.E. Textile Motors.

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Fourth Floor.

11- Mules - Johnson & Bassett (4-408)(7-390).
1- H.P. G.E. Motor 550 V. (10·H·P.).
3- 7½ H.P. G.E. Motor 550V.
1- 20 H.P. G.E. Motor 550V.

No 2- Finishing Building.

Fourth Floor (Top).

1-390 Johnson & Bassett Mules.
1- 7½ H.P. G.E. Motor.
2- Whiting Machine Co. Spinning Frames 184 Spindles each.
2- 10-H·P. G.E. Motors - 550 Volts.
4- F.A. Lazenby & Co. Inc. Balto. Md. Bobbin winders
24- bobbins each.
4- 2 H.P. G.E. Motors.

Third Floor.

18- Spoolers - Ware Compressing Machine Co.- Worchester.
1- Toledo Platform Scales. -1000 Lbs.
4- Dressers - Davis & Furber.
3- Compressors.
1- 20. H.P. G.E. Motor - runs whole floor.
2- Twisting Machines - Fales & Jenks - 96 Spindles each.
1- Bobbing Machine - Johnson & Bassett.

Second Floor.

1- Spray Machine.
1- Shear - Park & Wilson.
1- Napper - David Gessner.
1- Brushing Machine - Park & Wilson.

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1- C.W. Voelker Steam Cloth presser.
1- David Gessner Steam Cloth presser.
1- 20 H.P. G.E. 550 V. Motor runs-whole floor.
2- Cloth Winders - J.E. Winder.
1- Baler.

Nothing on 1st Floor.

Basement.

1- Thurhurst Extractor.
1- 15 H.P. G.E. 550V. Motor.

1- Stutching machine D. Gessner.
1- 20 H.P. Motor for Suction.
1- 3 H.P. " " running.
1- 3 H.P " " Top.

1- Cloth drier - D.R. Kenyon & Son - Steam.
1- 10 H.P. G.E. Motor.
1- 5 H.P. G.E. Motor.

1- Carbonizer - J. Hunter Machine Co.
2- 3 H.P. Motors.
1- 1 H.P. Motor.
1- 5 H.P. Motor.

1- 25 H.P. Fairbanks, Morse Motor - 550 Volts.
1- Fairbanks, Morse №3 Impeller- Centrifugal pump
1- Stage - 130' head - 100 g.p.m. - 3600 r.p.m.
For fire and sprinkler System - pumps to reservoir on top of hill.
1- Roberts Filter System includes
1- Large settling Tank wood 17' diam. outside - 15.5' deep- 23,000 gals.
2- Filter Tanks - wood. 12' diam × 8' high. Water flows to washers direct and bypasses - Concrete Clear water tank (34' × 16.3 × 7.5') under filters.
1- Fairbanks Morse 5 H.P. Motor & Centrifugal Pump.

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2- Hot Water tanks - wood - 8000 gals. each.
1- Cochrane Steam - Hot water heater. - 350 g.p.h.
5- Cloth washers - J. Hunter.
8- Fulling Mills.
1- 25 H.P. Motor drives 1- Fulling Mill.
1- 75 " " " 7- Fulling Mill.
1- 75 " " " 5- Washers and
1- Shearer - Park + Wilson.
1- Napper - D. Gessner.
1- Piece Dye Machine - Rodney Hunt Mach. Co.

No 3. Storage House & Dye House

Second Floor.

1- Wool duster - Davis & Furber.

Basement - Dye House.

2- 8' diam. x 4' deep - Wood - polling tubs - steam.
4- Sample dye tubs wood - 4.5' diam x 4.5' deep.
4- Franklin dye Kettles - wood 6.5' x 4' deep
Steam - Cap. 500 lbs.
3- Motors - 1- 15 H.P. 2- 10 H.P.
1- C. G. Sargent Sons Corp. Grantville, Mass. Stock Dryer.
2- Houson Dye Kettles - 11' x 5.2' x 3.5' deep wood.
2- Kluda Weldon Dye Machine - Kettles.
1- 40 H.P. Motor.
On platform Outside.
1- Toledo platform Scales - 1000 lbs. Cap.

In Sub-basement.

1- 3 H.P. pump and Motor to pump oil from 2 Tanks into Pickering House.

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Shop- Smithy.
Carpenter Shop.
2nd Floor.

1- Planer.
1- Circular Saw.
1- Jig Saw.
All above driven by motor on 1st Floor.

1st Floor.

2- Lathes
1- Planer
1- Gear Cutter.
1- Shaper
1- Emery Wheel
1- 10 H.P. G.E. 550V. Motor.
1- Acetylene Outfit.

The main Mill Buildings Contain
2- Large Salem Freight Elevators 4000 Lbs. each
2- 15 H.P. G.E. 550V. Motors.

(e) Number of employees-
290 to 350

(f) Area of land incident to plant purposes.
3.7 Acres
However they own approximately 700 acres in the entire project.

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22 - WATER POWER DEVELOPMENT

(a) Give brief description of use of water for power with average hours of use per day, opening of gates, etc. for the last five years.

In South Power House

1 - Poole & Hunt 40" Water Wheel - Horizontal 320 H.P., under a 46.5' head, runs

1 - G.E. A.C. Generator No. 304917 I.S. 350088-2 Type ATB 12-300-600 Form P.B. PF 8 : 3 phase Amp 289 : KW. 240 M : Volts full load 600 Speed 600 rpm : 60 cycles.

1 - G.E. D.C. Exciter No. 232558 : Type ML. Form 1 : Speed 1275 : KW - 6 : Volts - No load 125 Full load 121 Volts.

1 - Woodward Governor - Type VR - Foot pounds. 5000 : Size 6 x 12 No. 4137

All above belt connected.

1 Switch board with necessary switches, meters, etc.

1 - Poole & Hunt - 30½" Water Wheel : Horizontal - 180 H.P. under a 46' ± head, runs

1 - Fales & Jenks - fire pump - (In poor condition) by belt connections.

In North Power House.

1 - Twin wheel - 30½" Water Wheels: 350 H.P. total power : R. Poole & Co.

1 - G.E. A.C. Generator No. 304913 I.S. 350088 - 2 : Type ATB 3 phase 289 Amps : 240 M - K.W. Speed 600 Volts full load 600 : 60 cycle

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1 - G.E. Exciter - No name plate - probably same type as it South Power House

1 - Governor - W.H. Freun, Minneapolis, Minn.
Necessary switches.

The above generators generate current for running the various motors and lighting throughout the mills. However they do not furnish sufficient current during peak loads and it is necessary to buy current from Consolidated Gas Co. During ebb times current is returned to the Con. Gas Co. lines

In the transformer room, in the Boiler House are the following

3 - Packard Electric Co., Warren, Ohio,
Transformers: Polarity subtractive:
Serial Nos. 71185 - 71184 - 71183
KVA - 200 cont. 55° C. rise Type A - 1 phase
60 cycle 13800 - 460 - 575
Necessary switches, meters etc.

(b) Total power available -
1990 Horse Power

(c) Average power used.
630 Horse Power

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(d) Duration of use

Twenty four hours

23 - STEAM POWER DEVELOPMENT

(a) Give brief description of steam power plant, if any, number and size of boilers, number, type, and size of power units.

Steam is used for dyeing: washing: pressing steam bobbins: running steam fire pump and for heating. Heating steam (condensation) is returned by vacuum pumps: remainder of steam is exhausted into the air.

2 - Boilers - D. M. Dillon - Steam Boiler Works 175 H.P. each: tubular, horizontal Hand fired: 110 lbs. steam

1 - Boiler - Keeler Cross Drum - Water Tube, Hand Fired 257 H.P.

2 - Boiler Feed Pumps: National Transit Pump & Machine Co., Oil City, Pa. Size 7 1/2 x 5 x 10 Reg. No. 25569 and 24572 Duplex: 40 gpm 48 strokes/min.

2 - Vacuum Pumps - National Steam Pump Co., Upper Sandusky, Ohio. Class B. 6 x 8 x 12 Nos. 26014 and 26077

1 - Steam Fire Pump: Worthington Pump Co Size 18 x 10 x 12 No. B - 242782 1000 gpm 70 strokes - 4 - 1 1/2 smooth nozzle fire streams

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1 - 3 H.P. G.E. Motor on coal conveyor carries coal from pit to inside of boiler house
1 - Conveyor - 30 buckets

1 - G.E. Motor 20 H.P. on car puller: gearing and cable drum -
This mechanism pulls cars across bridge at Oella and directs them to coal pit.

1 - 60" Steel Stack - 110½ high on 27' stone base.

here
(b) Total power available
507 H.P.

(c) Average power used
350 H.P.

(d) Duration of use
10 to 24 hours

(e) Coal for power purposes
(I) - Kind of coal used
Big Vein - Bituminous

(II) - Amount of coal used in tons per year for last five years
Three thousand tons

(III) - Annual cost of coal for last five years.
$3.89 per ton, f.o.b. Oella

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(f) Operating force
Two men

24- PURCHASED POWER

(a) From whom purchased
Consolidated Gas Electric Light & Power Company of Baltimore.

(b) Amount purchased annually for last five years.

Year	KWH	Cost	KWH returned	Rebate
1928	46900	$3,853.00	1,275,100	$3570.00
1929	93400	4,216.00	1,095,900	3069.00
1930	168400	5,226.00	991,800	2777.00
1931	343300	7,753.00	497,900	1394.00
*1932	255000	6,782.00	824,500	2309.00

* Eleven months

(c) Schedule of power rates.
1st. $1.41 per K.W. of Demand: varies monthly
2nd.- $0.009 per K.W.H.

Current returned to the lines is paid for according to the price paid for coal. The rebate above is figures at $0.0028 per KWH corresponding to a $4.00 coal.

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25 - INDUSTRIAL USES OF WATER, OTHER THAN FOR POWER

(a) Character of use

For steam: used for heating: dyeing: washing:

For process: dyeing: washing.

For fire protection - from reservoirs and steam fire pump.

(b) - Amount used for steam.

(c) - Amount used for process.

6,000,000 gpd

26 - PLAT SHOWING TO APPROXIMATE SCALE

(a) Location of privilege, property lines, dam and appurtenant structures

~~Attached~~ see plat page

(b) Location of plant and buildings

~~Attached~~ see plat page

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28 - NAME OF INVESTIGATOR ON EACH SECTION AND DATES WHEN DATA WERE OBTAINED.

H.S. Shryock, Plant Valuation Engineer
A.F. DiDomenico, Ass't. Plant Valuation Engineer.

Field Notes - November 18, 1932 to Dec. 5, 1932.
Photographs - November 23 and 25, 1932
Data from Con. Gas Co. - December 13, 1932
(Mr. Gambrill).

27 - Repeat Question and Answer as in Privilege #2.

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29: TAX ASSESSMENT OF PRIVILEGE.

(a) Last two Assessments in as much detail as possible.

1927 - Baltimore County.

In Name of W.J. Dickey & Sons, Inc.

75 Acres - Tillable @ $150.00	$11,250	
702 " Woody @ 50.00	35,100	
Upper Power House	2,100	
Lower " "	2,500	
Boiler Room	9,000	
Manager's House	2,700	
Store Keepers House	2,500	
Water Supply	5,000	
Mill	125,760	
STONE ROW.		
6-Stone Houses @ $500.00	3,000	
Dutch Hotel	1,200	
1- Single House	350	
House	500	
Lot	150	
Double Stone House	1,100	
Feed House	75	
Store & Hall	2,500	
6-Houses @ $800.00	4,800	
14-Double House @ 1200.00	16,800	
1-Double House	1,100	
Addition	300	
25-Brick Houses @ $400.00	10,000	
7-Houses @ $200.00	1,400	
4- Single Houses @ $800.00	3,200	
1- Double House	800	
1- Stone House	300	
3- Double Houses @ 1000.00	3,000	
1- Single House	500	
1- House	300	$247,285.00

Amount Forwarded $247,285.00

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Amount Forwarded $247,285

5 Double Houses @ $900.00	4,500	
Steel Garage	900	
Steel Garage	300	
2- Stone Houses @ $250.00	500	
6- " " @ 380.00	2,280	
Stable	1,200	
1- Single House	400	
1- Brian House	500	
1- Steel Garage	300	
1- Lumber Shed	100	
1- Wood Shed	100	
1- Brick Garage	500	
1- Freight Eng. Shed	200	$ 259,065

Total Baltimore County for 1927 ..... $259,065.

1927:- Howard County:-

In Name of W. J. Dickey & Sons, Inc.

Dam Abutment on Patapsco River 5,000

Total Howard County for 1927 ..... $ 5,000.

Total Assessment for 1927, both Counties $ 264,065

Additional Assessment- Baltimore County.

1930- House Spring St.	$1200
1932- Addition to House Spring St.	400

Total addition 1,600

Total Assessment for 1932- both Counties $ 265,665

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1922: Baltimore County.

In Name of W.J. Dickey & Sons, Inc.

777 Acres	$47,700
Mill Building	174,147
Boiler House	4,500
Old Shoddy Mill	810
Old Shoddy Mill Shed	270
Land	100
Dwelling	443
Stable & Shed	62
Dwelling in hollow	348
6- Dwelling - Stone Row	2 280
4- " Log Town	1 016
2- Stone Houses	508
1- Double Dwelling	1 013
Dutch Hotel	1 203
Dwelling Near Barn	380
Brian House	537
Stone Dwelling Granite Hill	180
Managers House	2 332
Double House	1 013
Store Keepers House	2 310
Store & Hall	3 150
Dwelling	638
5- Double House (Spring St)	4 115
1- Dwelling. " "	380
Jackson Dwelling on Hill	348
Dwelling W. of Granite Hill	507
6- Double Dwell. (Sweet Air Hill)	6 078
6- " " (Herring Hill)	2280
19- House Brick Row	7728
4- Double Houses	4052
6- Dwellings brick Row	2280
old Dynamo Room	186
New Dynamo Room	500
Amount Forwarded	$273,394

249 055

243 39

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Amount Forwarded....$273,394

Ice House	50
Upper Wheel House	2112
Machine Shop	2300
Wood shed	25
Lumber Storage	62
Blacksmith Shop	124
Feed House	75
Barn	1200
New Garage	250
Dwelling Near Barn	1008
" back of Store	1120
4-Dwellings Reservoir Hill	4032
3-Double Dwellings N. of Brick Row	3039
1-Double Dwelling	1013
Dwelling near Granite Hill	380
" " Patapsco Run	253
3-Double Stone Dwellings Granite Hill	2946
New Dwelling River Road	1008
" " " "	1192
3-Frame Dwellings	666

Total Baltimore County for 1922.....$296,249.00

1922: Howard County

In Name of W.J. Dickey & Son, Inc.

218 Acres Wood @ $30.00	6540
Dam Abutment	5000

Total Howard County for 1922..... 11,540.00

Total Assessment for 1922- both Counties...$307,789.00

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Total Assessment for 1922 - both Counties..... $ 307,789.00

Additional Assessment Baltimore County.

1924:- Garage 16'x108'..... $ 800.00
" " 16'x 36'..... 400.00
1925:- Addition to Boiler House 42'x45'.... 3500.00
" House on Reservoir Hill..... 1200.00

Total Additions Baltimore County $ 5900.00

Abatements Howard County:-

Transferred to state of Maryland
218 Acres @ $ 30.00..... $ 6540.00

Net abatement both Counties..... 640.00

Total Assessment before The 1927 Assessment in both Counties. $ 307,149.00

(b.) The practice of tax Assessor in determining assessments (percentage of Actual Valuation).

Baltimore County:- 65% of Actual Value.
Howard County:- 75% of Actual Value.

(c.) Sources of Information.

Baltimore County:-
Court House, Towson, Md.
1927:- Liber 1 - Folio. 299.
1922:- Liber 1 - Folio. 257.

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Howard County.

Court House, Ellicott City Md.

1927 :- Liber District No2 - Folio 35

1922 :- Liber District No2 - Folio 34.

(d). Dates of Obtaining Data.

Baltimore County:-February 15, 1933

Howard County:- February 17, 1933.

(e) Information from State Tax Commission as to capital or stock issue of Corporation.

Stock issued..... $697,653.00

Request Item No 13.
Privilege No P-6.

W. J. DICKEY & SONS, INC.
OELLA, MD.

P-6.

Dam for W.J. Dickey & Sons, Inc. -- Oella, Md. --- November 23, 1932

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P-6.

W.J. Dickey & Sons Inc. - Oella, Md. ÷ Mill Race Head Gates --- Nov. 25, 1932.

Omit This Picture

Request Item No. 13
Privilege No. P-6.

W. J. DICKEY & SONS, INC.

OELLA, MD.

P-6.

W. J. Dickey & Sons, Inc.... Buildings - Oella, Md - November 25, 1932.

REQUEST ITEM Nº13
PRIVILEGE Nº P-6

87.000
79000
50,000 Gal Reservoir 10½ ft. deep
Reservoir 8 ft. deep
Bottom of Reservoirs 79 ft. above highest sprinkler & 134 ft. above yard level of hydrants east of No.1
Scattered 2 sto. stone Dwells. for several hundred feet
OELLA AVE.
Top of 33 ft bank
Top of 28 ft Bank
Bottom of Bank
Vacant Wooded Land for several hundred feet
Vacant Wooded Land beyond
HEAD RACE
Ruins
Platform
PATAPSCO RIVER
200 ft. wide. Vacant wooded land beyond
Top of 25 ft. bank
Coal Pocket
10in. Double Fire Service C.Vs F.M. type
10in plugs
4in. Grinnell Stdry. D.P.V.
Shut in Winter
Buried under Bridge
Bridge
Penstock
Tenements
2½ Sto.
Dwelling
2 Sto. Stone
Dwell. 3 Stone
Lumber Shed
Shed
Smithy
Mach. Shop
Boilers
Autos
Earth
Wool Dryers
Dryers
Dyeing, Extractors & Washing
Wet Finishing
Office
Finishing & Inspecting
Wool Storage
Steaming & Storage of Filling
Warping & Spooling
Rag Dusters & Rag Stge
Wool & Waste Stge
Mule Spinning
Weaving
Carding
Mixing Pickers
Stock
Wool Storage
Wet Finishing
Steaming & Storage of Filling
Warping & Spooling
Finishing & Inspecting
Generator
Stor. Rags
Lumber & Rags
Rags
Waste
Dryers
Dyeing Extractors & Washing
Pumps & Boilers
Gen. & Switchbd.
Wool Oil Tanks
Platf.
Boiler Hd.
Stone Shed
Lumber Shed
Dwelling 3 Stone
Vacant Wooded Land beyond
23½ Stone Dwellings for several Hundred Feet
Tenements
2½ Sto.
Oella Ave.
Dwelling 2½ Sto. Stone
Head Race
Patapsco River
Key.
Frame.
Brick.
Stone.

CONSTRUCTION– **Roofs** are Plk on 1-Bms on 1(exc. Stair & Elev Tower) & 2. Plk on Tim. on Stair Tower of 1, Stair Tower adj. 3, Cov Platform adj. 3, 9 & 11. Rein. Conc on 3, & Hose Hos. W of 3, S of 2 & E of 1. Rein. Conc. on Exposed 1-Bms. on 6. Rein Conc on 1-Bms, lower flange exposed on 4 & 5. Wire Glass in Metal Frame on Elev. of 1 & Elev adj 3. Sheet Iron on Jsts. on 19 & Lumber Shed. Others are Bond. Supported by St. Tr. on 5. **Floors** above ground are Plk on I-Bms. in 1(exc. over bm't. & Stair Tower) & 2(exc. 1st) Plk on Timber in Stair Tower of 1, Stair Tower adj. 3, & 9. Rein Conc over Bmt in 1, 1st of 2, 3 incl. Cov. Platf. adj. Others are Bond. Walls of Wood Bldgs are Bond. **AGES**– 1, 2, 3, 4, 5, 9, & 11 built in 1919, & 6 in 1921. Others are unknown.
POWER– Water
FUEL – Coal
HEAT – Steam, pipes overhead
LIGHT– Electricity, incandescent lamps.
RAWSTOCK– Wool, Rags, Cotton & Dye Stuff.
PRODUCT– Overcoatings & Suitings
MAGNITUDE– 10 sets of cards & 60 plain looms. 200 hands employed. 148 men on premises by day, 2 at night. No fire brigade.
WATCHMAN– 1night, 5 undays & when shutdown. Ecd Magneto Watchclock.
SPRINKLERS– Automatics throughout 1(exc. Elevator), 2(exc. Vault 1st Floor), 3 incl. Elev. & Stair Tower adj., 7, 8 (exc. Cellar), 9 (exc. Bmt.) 10, 11, 12, 13, & 4(exc. over Tailrace).
No sprinklers elsewhere.
Heads are **Globe** (Type C) in 1, 2, 8, 3. **Esty** in 2nd floor of 8 & Attic of 13. Others are **Grinnell** (Glass button pattern).
Primary supply from reservoirs. Pumps also connected.
Shut in winter in 11, 12, 13, & 14.
Dry pipe system in 7 & 8 controlled by Grinnell Straightway D.P.V.
ASSISTANCE– No fire streams available from neighboring works.
No fire engines in town.
No public fire alarm telegraph system in town.
No public water supply.

Materials of which walls of building are constructed are shown by colors: Brick = Red. Wood = Yellow. Concrete or Stone = Light Gray. Iron = Blue Gray.
Property not belonging to company insured has only margin colored.
Initial Letters in lower right hand corner of plan indicate building material to the colored, thus: Brick or B denotes Brick Walls, etc.
Roof Covering is marked in similar place on the view; large roof areas having construction of roof marked thus: Gravel, Slate, Shingle, Tarred Felt.
In Views, Roofs are colored gray if covered with material not easily ignited, as tin, slate, and gravelled tar; Roofs are colored buff if covering material is easily ignited, as shingles, bare boards, or tarred felt on boards.
"Fire Proof" cornice shown by dotted line inside roof margin on view.
Non-combustible or "Fire Proof" cornice. Combustible cornice.
Parapetted Wall shown thus on Section.
Street Numbers shown thus.

Standard Frost-Proof Hydrant. Number of "Hose" shows number of Hose outlets.
"Dry" or Non-Frost-Proof Hydrant.
Independent Gates on 4-way Standard Hydrant. Hose Valves or outlets.
Hose House over Hydrant. Fire Engine connection.
Hose Connections on Pipes. Hose connections on pump.
FIRE PUMP.
(S. P.) Stand Pipe for Fire Hose.
(A. S.) Automatic Sprinkler Riser.
(O. S.) Open Sprinkler Riser.
Discharge from Tank.
Pipes outside buried below frost. In or under buildings not protected against freezing.
Pipes under buildings buried for protection against freezing.
Pump Suction or supply pipes.
Water gates in pipes.
Gates with good tell-tales. Indicator Post on Gate.
Check valves. Apex shows direction of flow.
Dry Pipe Valve. Water Meter.

Water tanks for fire purposes.
Fire walls. If an outer wall, substantially blank. Retaining walls.
Partitions, Walls in Fences.
Walls or partitions not complete in all stories.
Outline of Platforms, Open Bridges and Awnings.
Property line or street line without fence.
Wired Glass Windows. Complete in all stories unless otherwise noted.
Fire Shutters.
Belt Openings. (unprotected and large).
Unprotected Openings. In partitions between rooms, or doors, as open stairs.
Double Fire Door. In all stories unless indicated by numbers.
Single Fire Door. If not double in all stories, use single mark.
Or Sections A. S. Denotes Automatic Sprinklers throughout house, unless otherwise noted.
" P. S. Denotes Perforated Pipe Sprinklers.
" O. S. Denotes Open Sprinklers as window or cornice heads.
" W. Tr. Over upper right-hand corner, denotes wood
" St. Tr. and iron or steel trussed roof respectively.

Elevators with automatic hatches.
Rope Hoist within building.
Elevators or stairs open or wood sheathed.
Elevators or stairs enclosed by fire walls.
Elevators or Stairs closed & not full height of building. (Numbers show the stories with which they connect.)
Fire Ladder to roof.
Fire Escape.
Steam Boilers.
Smoke Stack or Chimney.
Hollow Floor or Roof.
Joisted Floor or Roof.
Floors of brick arch, concrete, or other similar non-combustible construction.

W. J. DICKEY & SONS, Inc.
(WOOLEN MILL)
Oella, Md.

Surveyed Mar 23 1921
Scale 1 in = 50 ft.
Surveyed & Drawn by N.W. Strong
Traced by R.H. Eaton
See Data File
Original Tracing No. 14545

SERIAL NUMBER 14545 Original Survey
INDEX NUMBER 43365

Request Item Nº13
Privilege Nº P-6.

REQUEST ITEM No 15
PRIVILEDGE No P-6

PRIVILEGE ~~No~~ P-7

James S. Gary & Son, Inc.

ALBERTON, MD.

Request Item No. 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT WATER AND WATER POWER RIGHTS FILE NO.

ALBERTON, MD. ACC. NO.

Patapsco Project
Privilege No. - P-7 FROM TO

COMPUTED BY H.S. Shryock CHECKED BY A.F. Di Domenico DATE 19

MADE IN CONNECTION WITH WORK

82

LOCATION - Alberton, Md.

Active Privilege

1- CORPORATE NAME OF OWNER OF PRIVILEGE.

James S. Gary & Son, Inc.

2- LOCATION OF PRIVILEGE

On both sides of Patapsco River at Alberton, Md.

3- BRIEF DESCRIPTION OF PRIVILEGE

The privilege consists of a modern reinforced concrete dam: mill race and tail races: both modern and old mill buildings: water wheels both for running portions of mill by shafting and belting and for generating electricity to run motors in other sections of the mill: steam plant to run Corliss engines: village for homes of employees.

4- HISTORICAL DATA ON PRIVILEGE

(a)- Dates of various acquisitions

Plant acquired by Gary interests about 1852

(b)- Changes in ownership.

None since 1852

(c)- Information on sales or rentals.

None

2

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ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT JAMES S. GARY & SON, INC. FILE NO.

ACC. NO.

P-7

FROM TO

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5- TOTAL AREA OF WATERSHED ABOVE PRIVILEGE

32.65 Square miles less than at Avalon dam ~~1283.75~~ (approximately) square miles

6- AREA OF WATERSHED USED.

Depends upon demand & stream flow.

7- AMOUNT OF WATER UNDER PRIVILEGE

(a) - Claimed

Sufficient amount to run wheels.

(b) - Granted.

8- AMOUNT OF WATER USED

(a) Power

Total flow of mill race when plant is in full operation.

(b) Process

None

9- FALL OR HEAD UNDER THE PRIVILEGE

(a) Claimed

Twenty-two feet.

(b) Granted

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10 - FALL OR HEAD USED OR DEVELOPED.

Twenty-two feet

11 - DATA ON MILL POND.

(a) - Approximate Area -

Nine and nine-tenths acres.

(b) - Approximate Depth

(1) Total Available

Sixteen and one-half feet at dam to one and one half feet at upper end.

II - Available

(c) Approximate Capacity.

I - Total

29,160,000 gallons

II - Available

12 - SUPPLEMENTARY STORAGE RESERVOIRS, IF ANY.

(a) Available capacity -

One 55,000 gallon reservoir: masonry construction, on hill to south of plant. It is fed from springs. The water is used for the sprinkler system and for drinking purposes in mill and village. This reservoir is protected by a frame structure.

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13- STREAM FLOW DATA

(a) - Calendar arrangement.

See Request Item 10 for this information

(b) - Arranged in order of dryness.

14- LOCATION OF DAM.

On Patapsco River eight hundred feet up stream from B & O R.R. bridge at Alberton, Maryland.

15- DESCRIPTION OF DAM.

A hollow reinforced concrete dam (Ambursen type) 279' long: 32'4" wide at base: 20' high above top of footing. At one end is a sluice gate to drain the water behind the dam. Four sluice gates east of east end of dam control the water entering the mill race.

16- HEAD RACE OR CANAL

(a) - Length

Thirteen hundred and eighty feet.

(b) - Cross Section

Averages two hundred square feet.

(c) - Slope

0.000064

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(d) - Discharge Capacity.

200,800,000 gallons per day.

(e) - Character of construction.

Partly earth banks and bottom and the remainder masonry retaining walls and earth bottom.

Note: There is a spillway in the mill race just below the dam and about the same elevation as the crest of the dam. Two sluice gates approximately 100 feet below the dam permit the draining of the race.
Two other sluice gates near the large screens can also be used in emptying the race.

17 - WATER WHEELS INSTALLED

(a) Number

Three

(b) Type

Vertical

(c) Name of Makers.

Poole & Hunt, Baltimore, Md.

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(d) - Dimensions.

No. 1 - Mill

2 - 56" Water Wheels
one has 20" gates
Other has 16" gates.
126" Steel Penstock

Wheel House
1 - 56" Water Wheel
126" Penstock

(e) - Rated capacity of each

2 - 56" in No. 1 Mill (22' head) = 255 H.P
1 - 56" in Wheel House (21' head) = 238 H.P.

The above ratings were obtained from Poole & Hunt catalogue. However the figured flow of the mill race does not furnish enough water to fully develop this power.

18 - TAIL RACE

(a) - Length

From 2 - 56" Wheels - 122' long
1 - 56" Wheel - 90' long

(b) - Cross Section

From 2 - 56" Wheels 27.5' x 14'
1 - 56" Wheel 20.0' x 13.5'

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(c) - Slope

Very Slight

(d) - Discharge capacity

Sufficient for total discharge of wheels.

(e) - Character of construction

Masonry walls and rough bottom

19 - LOCATION OF PLANT USING PRIVILEGE

On south bank of Patapsco River at Alberton, Md.

20- HISTORICAL DATA ON PLANT.

(a) - Dates of original uses.

Could not obtain

(b) - Character of original uses.

Oakum Mills.

(c) - Changes in ownership and present owner or lessee:

Jas. S. Gary & Son, Inc., Owner.

(d) - Information on sales or rentals of plant.

None.

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21. BRIEF DESCRIPTON OF PLANT.

(a) Product.

Special Fabrics, Filter Cloths, Wide Sail and Army Duck.

(b). Description of Manufacturing Process.

After the Cotton bales are opened and cotton cleaned it is sent through tubes to the picker house, where it goes through eveners and finishers. From there to the Card Room, where it goes through several types of drawing frames: thence to the spinning room and finally to the weaving Room, where it is returned as a finished Product.

(C.) Industrial Buildings: Character: Type; Number & Size.

(Numbers Correspond to those of Attached Plat No 43386)

No 1. Mill Building:- Stone; Wood Sash; Monitor roof tin Covered; heavy frame Construction for Floors; 242'x48'x51.5 high. 4 Story; Automatic Sprinklers; Good Condition.

No 2. Picker House:- Stone; Wood Sash; tin roof; Wood floors; 106'x34'x28' high; 2 Story; Automatic Sprinklers; Fair Condition.

No 3. Dry House:- Brick; Wood Sash; tin roof; Wood floors; 28'x46'x27' high; 3 Story; Automatic Sprinklers; Fair Condition.

No 4. Annex to Main Mill:- Stone; Wood Sash; tin roof; heavy frame Construction for floors; 82'x51'x51.5 high; 4 Story; Automatic Sprinklers; Good Condition.

No 5. Boiler House:- 48'x 31'x18.5' High;- dirt floor.
Engine Room;- 40'x29'x 18.5 High; Wood floor; Both 1 Story Brick, Fair Condition- Automatic Sprinklers.

Request Item №13.

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(2)

№6. Belt House:- One Story Galv. Iron; 42'x25.5', Automatic Sprinklers; Fair Condition.

№7. Brick Mill:- Brick; Wood sash; tin roof; heavy joist Floor Construction; 96'x49'x51.5' high; 3 story and basement; Automatic Sprinklers; Good Condition.

№8. Repair Shop:- Brick; Wood Sash; tin roof; First Floor Cement, Second floor wood; 84'x22'x24.5' high; 2 Story; Automatic Sprinklers; Fair Condition.

№9. Lumber Shed:- 2- Story Frame - 70'x22' fair Condition.

Store House №1:- 2- Story Brick; first floor Concrete; Second floor timber; tin roof; wood Sash; 61'x49'x21'-6" high; Automatic Sprinklers; fair Condition.

Store House №2:- 4- Story + Basement; Stone; heavy timber floor Construction; 45'x49'x52.8' high; Automatic Sprinklers, fair Condition.

Cloth Room:- 1- Story; Galv. Iron; 64'x31'; Automatic Sprinklers; Good Condition.

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(3).

They also own the following Buildings in Alberton, Md.

Description.	Very Good	Good	Fair	Poor	Dilapidated.
1-Family - 2 Story Frame - Shingle roof				2.	
2- " " " " " "			2	13	3.
1- " 3 Story Brick - Tin Roof - Supt. Home	1				
2- " 2 Story Brick - Shingle roof				8	
2 " 3 " " " "			9	1	
3 " 3 " " " "			1		
4 " 3 " " " "			2	3	
4 " 2 " " " "				1	
4 " 4 " " " "			1		
7 " 2 " Brick Row "		1			
2 " 2 Story Stone & Frame Shingle "		1			
1- 2- Story Frame Hall					1
1- 2- " Brick Hall & Store				1	
1- 2 " Stone Hall			1		
1- Frame Church				1	
1- Stone Church					1
1- 2- Story - Stone & Frame School			1		
Total	1	2	17	30	5

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(4)

(d). Manufacturing Equipment.

Main Building & Annex - Nos 1 and 4.

First Floor - Carding Room.

8 - Saco-Lowell Slubers - 52 Spindles each.
28 - Saco-Lowell - 40" Double Card Coils.
3 - Sets Saco Lowell - Drawing frames - 18 Cans each.
1 - 10 H.P. Westinghouse Motor 440 V. - on 4 Slubers.
1 - 30 H.P. " " " on Cards.
1 - 10 H.P " " " " "
1 - 20 H.P " " " " Drawing frames.
1 - 15 H.P. Motor on 4 Speeders and 4 Slubers.
16 - Saco Lowell Speeders - 76 Spindles each.
12 of above speeders are driven by Water wheel direct.

Second Floor - Spinning Room
Driven by Water Wheel.

28 - Saco-Lowell Spinning Frames - 4272 Spindles.
39 - " " " " 7932 "
4 - Bridesbury M'f'g. Co. Spinning Frames 720 Spindles (antiquated)
1 - Filling Twister - Draper Co., Hopedale, Mass.
1 - Band Machine.

Third Floor

40 - 36" Draper Looms
48 - 44" " "
35 - 36" and 40" Light Fairall Looms.
1 - 100" Fairall Loom.
10 - 30" Fairall Looms.
2 - 40" " "
12 - 50" " "
7 - 60" " "
3 - 72" " "

12

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(5)

9 - 30" Lowell Looms
2 - 40" " "
12 - 50" " "
3 - 60" " "
1 - Flat top Winder.
1 - 40 H.P. Westinghouse Motor.
1 - 30 H.P " "

Fourth Floor.

1 - Warp Mill.
3 - 60" Beamers & Creels } Warm & Presser Machine Co.,
1 - 50" " " " } Worcester, Mass.
2 - 54" Reels.
1 - Flat top Winder.
1 - Bulling Machine.
3 - Hoists.
All above driven by Water power.
1 - Kron Scales 1500 lbs.
5 - Cradle Warpers - T.C. Entwistle Co., Lowell, Mass.
2 - Flier Twisters - 24 Spindles - Lowell Machine Works.
6 - Universal Winders.
1 - Slasher - Water driven.
11 - Spoolers - 830 Spindles - Draper Co., Hopedale, Mass.
1 - 3 H.P. Motor drives cradle Warpers other equipment driven by 30 and 40 H.P. Motors on floor below.

In Tower at Annex No 4.

1 - Freight elevator - 1 ton Capacity
7.5 H.P. G.E. Motor. Faunt Le Roy & Co.

(13)

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(6)

No 7 - Brick Building.

Third Floor.

1-20 H.P. Westinghouse Motor for driving Winders.
1- 7.5 H.P. " " " " "
8- Lazenby Winders - 128 Spindles (Total) F.A. Lazenby + Co. Balto, Md.
15- Twisters - Draper M'q'f. Co. 80 Spindles each - Total 1200 bobbins 4½" × 6½" Hopedale Machine Co., Hopedale, Mass..
9- Twisters - Draper M'q'f. Co. Total 964 Spindles, bobbins 3" × 5½".

Second Floor.

27- Twisters Draper - 2186 Spindles.
3- 30 H.P. Westinghouse Motors - 440V.
2- 40 " " " "
for driving twisters on 2nd and 3rd floors.
1- Morris Elevator - 1 ton - driven by one of above motors.

First Floor.

2- Scrapers.
1- Curtis & Marble, Worcester, Mass - 146"
1- (No Name Plate). 120"
1- Sewing Machine A. S. Dinsmore.
all above driven by water wheel.
1- Kron Scales - 1500 lbs.
1- Press - worm drive
1- 5 H.P. Motor
1- 130" Whitin Loom.
2- 120" Lowell Looms.
3- 100" " "
8- 84" " "
10- 72" " "
1- 72" Fairall "
1- 50 H.P. Motor.

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Cloth Room.

1.- Measuring Machine 130"
1 - " " and Cloth table 40"
Briggs - Shaffner Co., Winston - Salem, N.C.
1.- Folder.
1.- 3 H.P. Motor 440 Volts.

No 2. Picker House.

First Floor.

2- Saco-Lowell openers, Eveners & Finishers. (Combined).
1- Waste Machine No 3858 - Kilson Machine Co.
1- Air Compressor for Cleaning - Nagle-Soeliss, Enq. Works. Erie, Pa.
457 - 7"x6".
All above belt driven.

2nd Floor.

2- Waste Machines - Kitson
5- Veeders.
1- Horizontal Cleaner - Saco-Lowell.
1- Condenser - Whitin Machine Works, Whitinsville, Mass.
1- Sturdevant Fan No 8
All above belt driven.

Store House No 1.

First Floor.
Opening Room.

4- Hoppers - Automatic - Feeders and Prepares -
Kitson Machine Co., Lowell, Mass.
1- 3 H.P. Motor - G.E. 440 Volts.
1- Whitin 41" Upstroke Cleaner - Machine No 25
Model O - Made In 1926.
1- 10 H.P. G.E. - 440 V. Motor.

(15)

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Second Floor.

2- Hoppers - Sames as First Floor.
1- 3 H.P. G.E. Motor.
1- 5 H.P. Westinghouse Motor drives
1- Sturdevant Fan & Condenser
The above fan pulls waste from Picker House and Carding room through galvanized iron Tubes. This waste is mixed with cotton for certain gradesof Materials. The fan in Picker House pulls Cotton through tubes from these Store Rooms.

Store House No 2.

1- 1 ton elevator.
1- 5 H.P. Motor.

Repair Shop - Building No 8.

1st. Floor
Blacksmith Shop.

1- Fan.
1- Forge
1- Pump - plunger - pumps water for sanitary purposes.
Above run by water wheel.

1st Floor
Carpenter Shop.

2- Ingersoll-Rand - Air Compressers - Class ERI
No. {56090 Air Cylinder 9"x6" Speed 900 rpm.
{31462
for humidifiers.
1- 15 H.P. Westinghouse 440V Motor 870 rpm.

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Repair Shop - Building No 8.
Carpenter Shop
2nd Floor.

1 - 5 H.P. Motor on rip saw.
1 - 10 H.P. Motor for Shop.
2 - Gear Cutters - Eberhardt Bros.
1 - Shaper - Fairbanks.
1 - Keyway Machine.
1 - 13" Lathe F.S. Perkins, Lowell.
1 - Wood Lathe.
1 - Cut-off saw.
1 - 48" Lathe - Carey Machine Works.
1 - Buffing Machine - Armstrong Cork Co., Charlotte, N.C.
2 - Drills - 1 W.F. & J. Barnes, Richford Ill.
1 Small.
2 - Antiquated Lathes - 1 used as a milling machine.

Dry House No 3.

1 - Atlas Engine (steam).
1 - Triumph Ice Machine Co. No 766: Size 5"x8" Not in use.

(e). Number of employees.

275 In normal times.

(f). Area of Land incident to plant Purposes.

About 9.5 acres

In connection with the entire project they own:

283 acres in Baltimore Co.
276 acres in Howard Co.

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SUBJECT P-6 FILE NO.

ACC. NO.

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MADE IN CONNECTION WITH WORK

22 - WATER POWER DEVELOPMENT.

(a) - Give brief description of use of water for power with average hours of use per day, opening of gates, etc. for the last five years, number, type and size of power units.

In Wheel House

1 - 56" Water Wheel - Poole & Hunt
238 H.P. under 21 foot head runs

1 - G.E. Generator. No. 4315525 IS-350082-41
Form P.B. Volts 480: Speed 900 rpm
Amp. arm 271 60 cycles P.F. 8 3 phase
Amp. field 28.4 KW 180 Cont. 50°C
Stator rotor 50° C, Type A.T.B-3-225-900

1 - G.E. Direct Current Generator (Exciter)
Frame 7.5 Model No. 16-G-2
Type E.F. Form EB Speed 900 Amp 40
Volts - No load 125: 5 KW.
Volts - Full load 125: Cont. 50°C
No. 1541280.

1 - Woodward Governor, Rockford, Ill.
Type VR Foot lbs - 5000 No. 6079
Size 6"x12"

In Mill - No. 1

2 - 56" Water Wheels - Poole & Hunt
255 H.P. each under 22' head.

1 - Poole & Hunt Governor

1 - La France Rotary Fire Pump for 2 - 1 1/8" nozzles at 80#'s pressure run by belting from above wheels.

The wheel in wheel house generates

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

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current to run various electrical equipment throughout the plant.

The two wheels under Mill No. 1 run a large portion of the equipment of the mill by belt drive.

In the stockade in the rear of the buildings are the following:

3- G.E. Transformers. Nos 4103328-26-27
Type H : Form KDD : 60 cycles :
Voltage rating 13800-230-460
Rating 220 KVA Cont. 55° Rise
Polarity subtractive
Necessary switches -

(b) - Total power available

238 Horse power for generator

510 Horse power for belt drives.

(c) - Average power used

238 H.P. for generator

For belt drives it depends on amount of work in mill.

(d) Duration of use.

Twenty-four hours on generators. - Surplus current sold to Con. Gas Elec. Light & Power Co. of Baltimore

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23- STEAM POWER DEVELOPMENT

(a)· Give brief description of steam power plant, if any; number and size of boilers, number, type, and size of power units.

Steam is used only for heating purposes at present. However it can be used to run the engines listed below.

4 - Stewart Boilers - Vertical - cylindrical 225 H.P. each

2 - Boiler Feed Pumps - Blake - Knowles : Duplex No. 220242 Size 6"x4"x6" 40 Strokes per min.

1 - Belt conveyor - brings coal from trestle to inside of boiler house : water wheel drive.

In Engine Room

1 - Corliss Engine No. 36 - Scott Foundry, Reading, Pa. 250 H.P.

1 - Corliss Engine - Corliss Steam Engine Co. Providence, R.I. 450 H.P.

1 - Vacuum pump - Corliss

1 - Vacuum pump - Blake Knowles - single action.

1 - 32" Pulley - Flywheel : 45" face

Necessary gauges.

The above engines are not in use at present time

1 - Worthington Fire Pump - steam - Capacity - 500 gpm. 16"x9½"x10" 60 rpm.

Brick Stack - 10' square : on masonry base - 102' high.

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(b) - Total power available
900 Horse Power

(c) - Average power used.
225 H.P. in heating season.

(d) - Duration of use.
10 hours.
24 hours when steam engines are running.

(e) - Coal for power purposes
(I) - Kind of coal used.
Run of mine.

(II) - Amount of coal used in tons per year for last five years
Two hundred and fifty tons

(III) - Annual cost of coal for last five years.
$4.22 per ton f.o.b. Alberton

(f) - Operating force
One man for heating.
Three men when steam engines are running.

24 - PURCHASED POWER
(a) - From whom purchased.
Consolidated Gas Electric Light & Power Company of Baltimore.

Request Item No. 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-7 FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

(b) - Amount purchased annually for last five years.

Year	KWH	Cost	KWH returned	Rebate
1928	591,700	$10,915.00	217,900	$610.00
1929	726,000	12,057.00	214,800	601.00
1930	630,800	11,364.00	169,600	473.00
1931	434,400	9,388.00	171,000	469.00
* 1932	126,400	3,242.00	302,200	846.00

* Eleven months

Mr. E. Stanley Gary, Jr. claims that the cost of current for the last two years is not a fair criterion of their normal needs.

here - 92 P.

(c) Schedule of power rates.

1st - $1.41 per K.W.H. of Demand: varies monthly.

2nd - $0.009 per K.W.H

Current generated above their demands is sent into the lines of the Consolidated Gas Co. and is paid for according to the price of coal. The above rebates are figured on the basis of $4.00 per ton for coal - a good average for the past five years - and at the corresponding price of $0.0028 per KWH.

Request Item No. 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-7 FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

25- INDUSTRIAL USES OF WATER, OTHER THAN FOR POWER.

(a)- Character of use

For steam - heating: also to run steam engines when necessary.

For sanitary purposes- water is pumped into two small tanks - total capacity 500 gallons - in the main entrance tower.

(b)- Amount used for steam.

(c) Amount used for process.

None

26- PLAT SHOWING TO APPROXIMATE SCALE

(a)- Location of privilege, property lines, dam and appurtenant structures

~~Attached~~ see plat page

(b)- Location of plant and buildings

~~Attached.~~ see plat page

23

Request Item No. 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-7 FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

28.

~~27~~ - NAME OF INVESTIGATOR ON EACH SECTION AND DATES WHEN DATA WERE OBTAINED.

H. S. Shryock, Plant Valuation Engineer
A. F. Di Domenico, Assistant Plant Valuation Engineer

Field Notes - December 5th to Dec. 8th, 1932
Photographs - November 25 and
Data from Con. Gas Co. - December 13, 1932
Mr. Gambrill

27 - Repeat Question & Answer as on Other Privileges.

Request Item 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-7. FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

29: TAX ASSESSMENT OF PRIVILEGE.

(a.) Last two Assessments in as much detail as possible.

1927: Baltimore County:

In Name of Gary Manufacturing Co.

278.75 Acres N. S. Patapsco River

38.75 Acres @ $25.00	$1,000,00	
240.00 " @ 15.00	3,600.00	
29 Houses	37,500.00.	
1-Barn	200.00	$42,300.00

1927: Howard County:

In Name of J.S. Gary.

249 Acres @ $22.00	$ 5,478.00	
Mill Building 48'x 178'	51,000.00	
Front Tower 15'x 48'	1,200.00	
Tower No1 - L Bldg 14'x18'	1,400.00	
" No2 - " " 17'x19'	1,600.00	
L-Bldg 50'x80'	18,500.00	
Packing House 31'x64'	1,000.00	
Weaving Room 66'x48'	15,000.00	
Boiler Room 31'x 44'	4,000.00	
Engine Room 43'x 28'	4,000.00	
Belt Room 44'x 28'	1,000.00	
Picking House 30'x 109'	5,000.00	
Ice Plant 28'x 46'	4,000.00	
Smoke Stack 10'x10'x100'	2,000.00	
Shop 22'x 84'	4,000.00	
Ware House 44'x49'	10,500.00	
Cotton House 61'x49'	3,250.00	
Lumber Shed 22'x70'	500.00	
15- Double Houses	39,400.00	
7- Single Houses	19,600.00	
1- Dwelling Near Dam	3,000.00	
Reservoir	2,000.00	
Dam & Race	5,000.00	
Amount Forwarded	$ 202,428.00	$42,300.00

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-7. FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

Amount Brought Foward	$202,428.00	$ 42,300 00
Howard County (Con't).		
Garage	150.00	
Managers House and Land	8500.00	
Green House	500.00	
2-Small B'ldgs. 10'x10'	200.00	
Coal House	350.00	
Garage	1000.00	
Stable	2000.00	
Corn House	150.00	
Store & Dwelling	6000.00	
Ware Room	1000.00	
3-Double Dwellings	9800.00	$232.078 00
Total for 1927 In Both Counties		$274,378 00

Abatements subsequent to 1927 In Howard County.

March, 1932:		
3-Towers	4200.00	
Ice plant	2000.00	
Dwelling used as Parsonage	2800.00	
Reservior	2000.00	
1-Double Dwelling	500.00	
Garage	150.00	
Corn House	150.00	
Dwelling & Store	2000.00	$13,800 00
Aug, 1932:		
Packing House	500.00	
Boiler House	2000.00	
Engine Room	2000.00	
Belt Room	500.00	
Smoke Stack	2000.00	
Amount forwarded	$ 20,800.00	

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-7 FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

Total for 1927 Both Counties $ 274,378 00

Amount Forwarded (Abatements) $ 20,800.00

Lumber shed	200.00
Dwelling Near dam	1000.00
Green House	500.00
2- Small Bldgs	200.00
Coal House	100.00
Garage	500.00
Stable	500.00
Ware House	500.00

20800
2300.00
23100

Total Abatements 24,300 00

Total Assessment for 1932-Both Counties $250,078 00

1922: Baltimore County
In Name of Gary Manufacturing Co.

280 Acres on Patapsco River on B&O.R.R. Alberton, Md.

40 Acres Tillable @ $25 00	$ 1000.00
240 " Wooded @ 20 00	4800.00
Dwelling	1000.00
29 Houses	34900.00

Total Assessent for 1922
Baltimore County $41,700 00

1922: Howard County.
In Name of J.S. Gary

15 Double Houses	39,100.00
7 Single "	17,500.00
Amount Forwarded	$ 56,600.00

$41,700 00

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-7. FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

Amount Forwarded.	$ 56,600.00	$41,700.00
Reservoir.	$ 2,000.00	
Garage.	150.00	
2- Sheds	50.00	
Race and Dam.	5,000.00	
Managers House.	8,000.00	
Green House.	500.00	
2- Small B'l'd'qs.	200.00	
Coal House.	350.00	
Garage	1,000.00	
Stable.	2,000.00	
Corn House	150.00	
Store.	6,000.00	
Warehouse.	1,000.00	
3-Double Dwellings	9,300.00	
249 Acres Woodedland @ $22.	5,478.00	
2- Towers	2,600.00	
Building 50'x80'	18,000.00	
Packing House 31'x56'	1,000.00	
Weaving Room 66'x48'	15,000.00	
Boiler Room 32'x44'	4,000.00	
Engine Room 43'x28'	4,000.00	
Belt Room 42'x28'	1,000.00	
Picking Room 30'x109'	5,000.00	
Ice Plant 28'x46'	4,000.00	
Smoke Stack	2,000.00	
Shop 22'x48'	4,000.00	
Warehouse 44'x49'	10,000.00	
Cotton House 61'x49'	3,000.00	
Lumber Shed 22'x75'	500.00	
Mill Building 48'x178'	50,000.00	
1-Tower	1200.00	
	$ 223,078.00	

Total Assessment for 1922 Howard County...$223,078.00

Total Assessment for 1922 Both Counties....$264,778.00

Request Item 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-7. FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH here WORK

Total Assessment for 1922 Both Counties..... $264,778.00

Abatement Subsequent to 1922 - Balto. County.

1½ Acres adjoining Catholic Church..... 30.00

Total Assessment before the 1927 Assessment In both Counties..... $264,748.00

(b). The Practice of Tax Assessor in determining assessments. (Percentage of Actual Valuation).

Baltimore County :- 65% of Actual Value

Howard County :- 75% of Actual Value.

(c.) Sources of Information:

Baltimore County

Court House, Towson, Md.

1927 :- Liber 2 - Folio 183

1922 :- Liber 2 - Folio 222.

Howard County

Court House, Ellicott City, Md.

1927 :- Liber District No 2 - Folio 54 & 55

1922 :- Liber District No 2 - Folio 50.

(d) Dates of Obtaining Data.

Baltimore County :- February 14 and 16, 1933.

Howard County :- February 17, 1933.

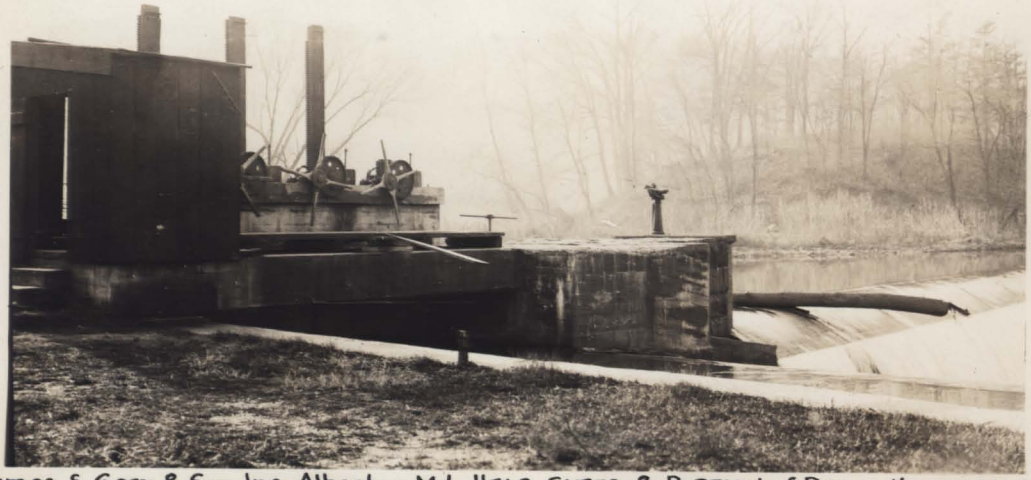
(e)- Information from State Tax Commission as to Capital or Stock issue of Corporation.

Stock issued $507,500.00

Request Item No 13
Privilege No P-7.

JAMES S. GARY & SON, INC.
Alberton, Md.

P-7.



James S. Gary & Son, Inc. Alberton, Md - HEAD GATES & PORTION of DAM - Nov. 25, 1932.

omit this picture

P-7.

Dam for James S. Gary & Son, Inc. Alberton, Md November 25, 1932

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Request Item №13.
Privilege № P-7

JAMES S. GARY & SON, INC.

Alberton, Md

P-7

James S. Gory & Son, Inc. Alberton, Md. - Main Building - November 25, 1932.

97

PATAPSCO RIVER

About 150 ft. to three wood tenements

About 150 ft. to three wd. tenements

Bridge

Dry House No. 3

Transformers

Wood Pile

Saw Shed

No. 8 Repair Shop

No. 9 LUMBER SHED

No. 2 PICKER HOUSE

No. 6 BELT NO.

Engine Room & Boiler House No. 5

No. 4

No. 7 96'x49'

Store No. 1 61'x44'

STORE HOUSE 2

Cloth Rm.

EPISCOPAL CHURCH

Coal Bin

Penstocks

Head Gates

CANAL

No. 1 MAIN MILL 242 x 48

No. 11 STABLE

Cow Shed

Coal Hopper

Dept. Siding

Sta. Domestic Use

About 300 Ft. to nine brick Tenements

About 320 ft. to eleven wd. Tenements

Wood No. Supt. Dwell.

Engine Room & Boiler House

About 1000 ft. to Private Reservoir Gate at Reservoir

About 800 ft. to Private Reservoir 6'x12'x11' Cap. 550,000 gals.

ROAD

B & O R.R.

About 100 ft. to sixteen brick & wood Tenements

Patapsco River

Canal

Supt's Dwell

Episcopal Church

Tenement

Tenement

Key

Frame

Brick

Stone

Galv. Iron.

CONSTRUCTION- Roofs are plank on timber on 4 and 5
Plank on double 6×16 timbers with 2½ space on Sto. No. No. 2

Others are boards on joist.
Supported by wood truss in 2, 7, & Store No. No. 1.
Floors above ground are plank on timber in south half of 2nd and 3rd Floors of 1, 2, 4, 5, 7 & 8.
Plank on double 6×16 timbers with 2½ space in Store No. No. 2.

Others are boards on joist
Hollows in I. Walls of wood buildings are boards on joist
AGES- No. 1 built in 1841 (several additions built since), 2 in 1860, 3 in 1861, 4 & Store No. No. 1 in 1876, 8 in 1902, Store No. No. 2 in 1905
POWER- 800 H.P. Water. 650 H.P. Steam. **FUEL-** Coal.
HEAT- Steam. Pipes mainly at sides. **LIGHT-** Electricity. Incandescent lamps.
RAW STOCK- Cotton.
PRODUCT- Demins, Sheetings, Ducks and Osnaburgs.
MAGNITUDE- 14000 spindles. 400 hands employed. 160 men on premises by day. One at night. Drilled fire brigade of 20 men.
WATCHMAN- One Nights, Sundays and when shut down.
American Electric Watch Clock.
SPRINKLERS- Grinnell (glass button pattern) automatics throughout. Hose bmt and top sto. of Stair Tower and bmt of Supply Rm), 2 incl. 2nd sto. of Wheel No. 1, 3, 4 (exc. bmt) incl. Stair Tower; 5 (exc. bmt), 6, 7, 8 incl. 1 sto. Addn (exc. time rm.) Store Nos. No. 1 & 2.
No sprinklers elsewhere.
Primary supply from private reservoir. Pumps also connected.
Shut in winter in Pump Rm. & Wheel Pit of 1; bmt of 2 & 1st story of Generator Rm. of 3; Waste Rm. of 8 and Oil Rm. adjoining.
Dry pipe systems in Store Nos. No. 1 & 2. Grinnell Valve.
Small hose in 2. Feed from sprinkler system.
ASSISTANCE- No fire streams available from neighboring mills.
No fire engine or public fire alarm telegraph system in town.
No public water supply.

Materials of which walls of building are constructed are shown by colors: Brick = Red. Wood = Yellow. Concrete or Stone = Light Gray. Iron = Blue Gray.
Property not belonging to company insured has only margin colored.
Initial Letters in lower right-hand corner of plan indicate building material to the colorer, thus: Brick [B] or Stone [S] denotes Brick Walls, etc.
Roof Covering is marked in similar place on the view; large roof areas having construction of roof marked thus: Gravel, Slate, Tin.
In Views, Roofs are colored gray if covered with material not easily ignited, as tile, slate, and gravelled tar;
Roofs are colored buff if covering material is easily ignited, as shingles, bare boards, or tarred felt on boards;
"Fire Proof" cornice shown by dotted line inside roof margin on view.
No. combustible or "Fire Proof" cornice; Combustible cornice; No. 24 Fireproof Wall shown thus on Section; Street Numbers shown thus

Standard Frost-Proof Hydrant. Number of "Horns" shows number of Hose outlets.
"Dry" or Non-Frost-Proof Hydrant.
Independent Gates or 4-way Standard Hydrant. Hose Valves on outlets.
Hose House over Hydrant. Fire Engine connection.
Hose Connections on Pipes.
FIRE PUMP. Hose connections on pump.
(S. P.) Stand Pipe for Fire Hose.
(A. S.) Automatic Sprinkler Riser.
(O. S.) Open Sprinkler Riser.
Discharge from Tank.
Pipes outside buried below frost. In or under buildings not protected against breakage.
Pipes under buildings buried for protection against breakage.
Pump Suction or supply pipes.
Water gates in pipes.
Gates with good tailtale. Indicator Post on Gate.
Check Valves. Apex shows direction of flow.
Dry Pipe Valve. Water Meter.

GARY MANUFACTURING CO. OF MARYLAND
(COTTON MILL)
Alberton, Howard Co., Md.
Surveyed May 7, 1915. Scale 1 in. = 50 ft.

Surveyed by G. P. Deering
Additional Data from Mill Sept 24, 1915

See N.B. 603, p. 81. Original Tracing 12095.

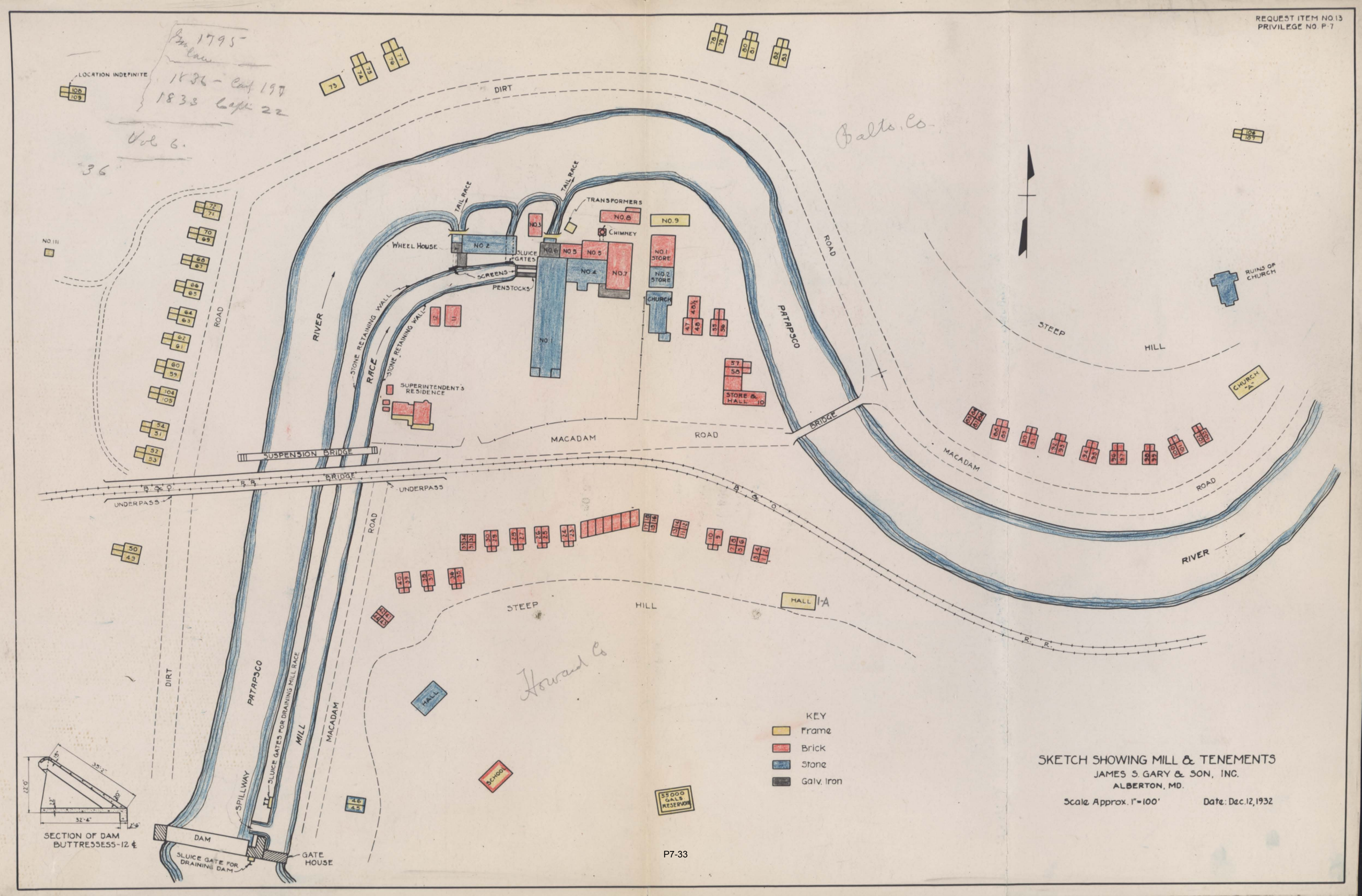
Water tanks for fire purposes.
Fire walls. If an outer wall, substantially blank.
Partitions, Wall or Fences.
Walls or partitions not complete in all stories.
Outline of Platforms, Open Bridges and Awnings.
Property line or street line without fence.
Wired Glass Windows in metal frames. Complete in all stories unless otherwise noted.
Fire Shutters
Belt Openings. (unprotected and large).
Unprotected Openings in partitions between rooms, in floors, as open stairs.
Double Fire Door
Single Fire Door in all stories unless indicated by numbers. If not double in all stories, use single mark.
On Sections A. S. Denotes Automatic Sprinklers throughout room, unless otherwise noted.
" P. S. Denotes Perforated Pipe Sprinklers.
" O. S. Denotes Open Sprinklers as window or cornice heads.
" W. Tr. Over upper right-hand corner, denotes wood and iron or steel trussed roof respectively.
" Ir. Tr.

Elevators with automatic hatches.
Rope Hoist within building.
Elevators or stairs open or wood sheathed.
Elevators or stairs inclosed by fire walls.
2-4 (Elevators or Stairs dotted if not full height of building. Numbers show the stories with which they connect.)
Fire Ladder to roof.
F.E. Fire Escape.
Steam Boilers.
Smoke Stack or Chimney.
Hollow Floor or Roof.
Joisted Floor or Roof.
Floors of brick arch, con-

PLAN DEP'T OF THE ASSOCIATED MUTUAL INSURANCE COS. BOSTON, MASS.
SERIAL NUMBER. 12095
This replaces No. 4700
INDEX NUMBER. 43386

FOR ENDORSEMENT PLAN SEE SERIAL NO. 8996

Request Item No. 13. Privilege No. 7.


REQUEST ITEM NO.13
PRIVILEGE NO. P-7
LOCATION INDEFINITE
Gen 1795 Law
1836 - Cap 197
1833 Cap 22
Vol 6.
36
Balto. Co.
DIRT
ROAD
TAIL RACE
TRANSFORMERS
CHIMNEY
WHEEL HOUSE
SLUICE GATES
SCREENS
PENSTOCKS
NO.1 STORE
NO.2 STORE
CHURCH
STORE & HALL
RIVER
RACE
STONE RETAINING WALL
SUPERINTENDENT'S RESIDENCE
PATAPSCO
BRIDGE
MACADAM
SUSPENSION BRIDGE
B. & O. R.R.
UNDERPASS
STEEP HILL
RUINS OF CHURCH
CHURCH "A"
HALL 1-A
Howard Co
HALL
SCHOOL
55000 GALS RESERVOIR
MILL
SLUICE GATES FOR DRAINING MILL RACE
SPILLWAY
DAM
SLUICE GATE FOR DRAINING DAM
GATE HOUSE
SECTION OF DAM BUTTRESSESS-12 ¢
KEY
Frame
Brick
Stone
Galv. Iron
SKETCH SHOWING MILL & TENEMENTS
JAMES S. GARY & SON, INC.
ALBERTON, MD.
Scale Approx. 1"=100'
Date: Dec. 12, 1932

PRIVILEGE ~~No~~ P-8.

Cloverland Farms Dairy, Inc.

Near RANDALLSTOWN, MD.

At North Branch, Md.

Request Item No. 13

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT WATER AND WATER POWER RIGHTS — FILE NO.

Patapsco Project — ACC. NO.

Privilege No. P-8 — FROM ... TO ...

COMPUTED BY ... CHECKED BY ... DATE ... 19...

MADE IN CONNECTION WITH ... WORK ...

100

LOCATION - LIBERTY ROAD AT NORTH BRANCH - PATAPSCO RIVER

Inactive Privilege

1- CORPORATE NAME OF PRIVILEGE

Cloverland Farms Dairy, Incorp.

2- LOCATION OF PRIVILEGE

On Liberty Road and North Branch of Patapsco River

3- BRIEF DESCRIPTION OF PRIVILEGE

Ruins of an old dam and a stone mill. The mill has been turned into an Inn.

4- HISTORICAL DATA ON PRIVILEGE

(a) - Dates of various acquisitions.

April 2, 1930

(b) - Changes in ownership.

January 18, 1928 - John W. Edmondson and wife to Anna Belle Slicer

April 2, 1930 - Anna Belle Slicer to Cloverland Farms Dairy, Inc.

Also about this date a tract to the south from C. C. Crook to Cloverland Farms Dairy, Inc.

(c) - Information on sales or rentals.

None

2-

Request Item No. 13

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-8 FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

5- TOTAL AREA OF WATERSHED ABOVE PRIVILEGE

159.5 Sq. Miles Less than Avalon = 156.9 Sq. Miles.

6-10 - Not applicable

11 - DATA ON MILL POND

Due to the break in the dam no reliable information can be obtained.

12-13 - Not applicable

14- LOCATION OF DAM.

About 1000 feet upstream, on the North Branch of the Patapsco River, from where Liberty Road crosses said North Branch

15- DESCRIPTION OF DAM.

It was originally a timber dam, similar to the one at Bartgis Bros. Co., Ilchester, Md., P-3. Now, however, only traces of the original dam remain.

16 - HEAD RACE OR CANAL

No trace remains

3)

Request Item No. 13

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-8 FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

17-20 - Not applicable

21- BRIEF DESCRIPTION PLANT

(c)- Industrial buildings:

1- Four story mill building: 40^{5} x 35'
three stories stone: top story frame:
tin roof: Now used as an Inn

On the Crook property:-

1- Three Story, stone building; 32.5' x 39'.
tin roof. Now used as an Inn.
Both the above are in good condition.

(f)- Area of land incident to plant purposes-

14.75 acres in original plat
19.73 acres acquired from
C.C. Crook

22-25 - Not applicable

26- PLAT SHOWING TO APPROXIMATE SCALE

(a)- Location of privilege, property lines, dam and appurtenant structures-

~~See attached plat~~ see plat page

(b)- Location of Plant and Buildings

~~See attached~~ plat see plat page

27- Repeat from other privileges

28- NAME OF INVESTIGATOR ON EACH SECTION AND DATES WHEN DATA WERE OBTAINED

H.S. Shryock, Plant Valuation Engineer
A.F. DiDomenico, Assist. Plant Valuation Eng.

Photographs ..... Jan. 30, 1933.
Field Notes obtained- November 10, 1932
Data on property : November 14, 1932

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-8 FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

29. TAX ASSESSMENT OF PRIVILEGE.

(a). Last two Assessments in as much detail as possible.

1927:- Baltimore County.
In Name of J.W. Edmondson.
Now in Name of Cloverdale Farms Dairy, Inc.
14 Acres - 2 roods & 38 perches N. Side Liberty Road - North Branch $370.00
Mill 1500.00
Shack ..... 500.00 ..... $2370.00

1927:- Baltimore County.
In Name of J.J. Nawrot.
Now in Name of Cloverdale Farms Dairy, Inc.
23.75 Acres North & South Side Liberty Road.
at North Branch
22.75 Acres @ $25.00 ..... $570.00
1.00 " @ 75.00 ..... 75.00
House 1750.00
Out Building ..... 50.00 ..... 2445.00

Total for 1927 ..... $4815.00

1922:- Baltimore County:
In Name of J.W. Edmondson.
14 Acres - 2 roods & 38 per. at North Branch
part of Ludgerding property $370.00
House 500.00
Mill Building ..... 1000.00 ..... $1870.00

1922:- Baltimore County
In Name of J.J. Nawrot.
23.75 Ac. N. Side Liberty Rd. @ North Branch adj. A. Luttgerding.
1 Ac.- tillage $75.00
22.75 Ac.- Wooded 569.00
Dwelling 2000.00
other Bldgs. ..... 225.00 ..... 2869.00

Total for 1922 $4739.00

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-8 FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

(b). The practice of Tax Assessor in determining Assessments. (Percentage of Actual Valuation).

Baltimore County.
65% of Actual Value.

(c.) Sources of Information.

Baltimore County.
Court House, Towson, Md.
1931 :- Liber 2 : Folio 61. Cloverdale Farms Dairy Inc.
1928 :- Liber 2 : Folio 123. J.W. Edmondson.
1930 :- Liber 2 : Folio 75 C.C. Crook from J.J. Nawrot.
1922 :- Liber 2 : Folio 161 J.W. Edmondson.
1922 :- Liber 2 : Folio 490 J.J. Nawrot.

(d.) Dates of Obtaining Data.

Baltimore County :- February 14, 1933.

No Assessment In Carroll County.

Request Item №13.
Privilege № P-8.

CLOVERLAND FARMS DAIRY, INC.
AT North Branch-Patapsco River.

P-8.

103

Cloverland Farms Dairy, Inc. Jan. 30, 1933.

P-8

104

Cloverland Farms Dairy, Inc. Ruins of Dam. Jan. 30, 1933.

Request Item No 13
Privilege No P-8.

Cloverland Farms Dairy Inc.
Cloverland Farms Park
North Branch Patapsco River
Randallstown Md
Scale: 1" = 100'

P8-8

12-1-32

PRIVILEGE ~~No~~ P-9

Melville Woolen Co.

OAKLAND MILLS, MD.

Request Item No. 13

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT WATER AND WATER POWER RIGHTS FILE NO.

OAKLAND MILLS, MD. ACC. NO.

Patapsco Project
Privilege No. 9. FROM TO

COMPUTED BY H.S. Shryock CHECKED BY A.F. Di Domenico DATE 19

106

MADE IN CONNECTION WITH WORK

Oakland, Carroll Co, Md - Active Privilege

1- CORPORATE NAME OF OWNER OF PRIVILEGE.

Melville Woolen Co.

2- LOCATION OF PRIVILEGE

On both sides of Patapsco River at Oakland Mills, Maryland. Carroll County.

3- BRIEF DESCRIPTION OF PRIVILEGE

The privilege consists of a well constructed dam, mill and tail races: modern mill buildings: water wheels and diesel engines for generating electrical power: steam plant for steam in dyers etc: also a village for homes of owners and employees.

4- HISTORICAL DATA ON PRIVILEGE

(a) Dates of various acquisitions.

August 9, 1926 from Geo. F. Hussey and wife — 3 acres ±

November 11, 1920 - from Chas. W. Melville and wife — 15 acres ±

June 21, 1918 from John C. Melville et al. — Remainder of property.

(b) Changes in ownership.

October 17, 1796 - John Bennett to Elisha Bennett — 125 acres

March 23, 1816 - Elisha Bennett to Jesse Bennett — 80 acres.

October 12, 1834 - Jesse Bennett and wife to Samuel Moreton and Samuel Moreton, Jr. — 80 acres.

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October 12, 1842 - Samuel Moreton et al. to O.C. Tiffany, W.C. Shaw et al. (mortgage foreclosure). 80 Acres

March 6, 1844 - O.C. Tiffany, W.C. Shaw et al. to W. D. Miller 80 Acres.

June 17, 1851 - W. D. Miller to Samuel Moreton, Jr. 80 "

March 12, 1856 - G.W. Manro, Trustee to Jas. Sykes (mortgage foreclosure) 80 "

May 24, 1856 - Jas. Sykes to Alex. Reiman, Adolphus C. Schaeffer & G.T. Hopkins (deed of trust). 80 "

November 22, 1860 - I.N. Steele, W.H.G. Dorsey, trustees to W.D. Miller, Jr. and Arsemus Schofield 80 Acres.

January 9, 1867 - Arsemus Schofield et al. to Enoch Pratt 80 Acres.

January 1, 1889 - Enoch Pratt to J.M. Melville 80 Acres

April 22, 1893 - Jas. A. Gary, mortgagee, to N.W. Steele (foreclosure) 80 Acres

September 28, 1894 - N.W. Steele to Oakland Manfg. Co. 80 "

October 7, 1915 - Herbert Hopper, G.R. Sappington Geo. W. Stansfield, receivers, to John C. Melville 80 Acs.

June 21, 1918 - J.C. Melville et al. to Melville Woolen Co. 80 Acrs.

Parcel No. 2. 3.7 Acs.

May 26, 1896 - J.T. Vaughn and wife to Oakland Manufacturing Co.

October 7, 1915 - Herbert Hopper et al. receivers to J. C. Melville

June 21, 1918 - J.C. Melville et al. to Melville Woolen Co.

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Parcel No. 3 9.21 Acres.

March 17, 1898 - H.C. Bennett to Oakland Mfg. Co.

October 7, 1915 - H. Hopper et al., receivers, to J.G. Melville.

June 21, 1918 - J.G. Melville et al. to Melville Woolen Co.

Parcels Nos. 4 & 5.

September 5, 1881 - Miranda Stocksdale and Mordecai C. Stocksdale, her husband, to J.G. Melville "The Escape" 136 Acres.

February 6, 1911 - J.G. Melville et al., executors, to Sadie H. Melville. 136 Acres.

November 11, 1920 - Chas. W. Melville and wife to J.C. Melville et al. trading as Melville Woolen Co. (part of above 136 Acs.) 15 Acres ±

March 11, 1922 - Chas. W. Melville and wife to G.F. Hussey and wife. (part of above 136 Acs.) 3 Acres ±

August 9, 1926 - G.F. Hussey and wife to Melville Woolen Co. 3 Acres ±

Parcel No. 6

December 18, 1896 - Milton Bennet to Oakland Mfg. Co. - Right to cut timber 7 Acres ±

Parcel No. 7.

May 17, 1895 - Elisha H. Bennett to Oakland Mfg. Co. including 16' right of way

May 17, 1895 - Oakland Mfg. Co. to Elisha H. Bennett - part of above No acreage given

October 7, 1915 - H. Hopper et al, receivers, to John C. Melville No acreage given

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June 21, 1918 - J.C. Melville et al. to Melville Woolen Co. No acreage given.

(C) Information on sales or rentals.
None

5- TOTAL AREA OF WATERSHED ABOVE PRIVILEGE
One hundred fifty-three (153) square miles.

6- AREA OF WATERSHED USED
Depends on demand & stream flow

7- AMOUNT OF WATER UNDER PRIVILEGE
(a) Claimed
Enough for mill purposes

(b)- Granted

8- AMOUNT OF WATER USED.
(a)- Power
Approx. 135,000 gallons per min. when wheel is running.

(b)- Process.
375,000 gallons per day.

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9-FALL OR HEAD UNDER THE PRIVILEGE

(a) Claimed

Fourteen and one half (14.5) feet.

(b) Granted

10-FALL OR HEAD USED OR DEVELOPED.

Twelve and one half feet, as gates are never opened full and there is a difference of two feet level in the water on the two sides of the gates. To open the gates full would flood the mill race.

11- DATA ON MILL POND

(a)-Approximate area

Ten Acres.

(b) Approximate depth

(I)-Total Available

Eight (8) feet

(II) Available

(c) Approximate capacity

(I)- Total

16,275,000 gallons.

(II) Available

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12. SUPPLEMENTARY STORAGE RESERVOIRS, IF ANY.

(a) Available Capacity.

For process:- Concrete reservoir 48' in diameter, 8' deep, Capacity 108,000 gallons, is located on Top of main hill.

For drinking Water:- Water is Collected from Various Springs by a system of Pipes and pumped into Small reservoir 8' diameter x 10' deep:- Capacity 3800 Gallons. This reservoir is on the Same hill.

13. STREAM FLOW DATA:

(a) Calendar Arrangement.

See Request Item 10 for this information

(b). Arranged in order of dryness

14. LOCATION of DAM.

On North Branch of Patapsco River - Six hundred feet up Mill Race from where County Road Crosses Mill Race.

15. DESCRIPTION of DAM.

The Dam which is 326 ft. Long and in fair Condition, is of Solid Stone masonry Construction with Concrete Crown. At the Southerly end there is a stone masonry Bulkhead equipped with geared operated head Gate. The Northerly end also has a heavy stone Bulkhead-equipped with Spillway. Dam is about 8.0' high.

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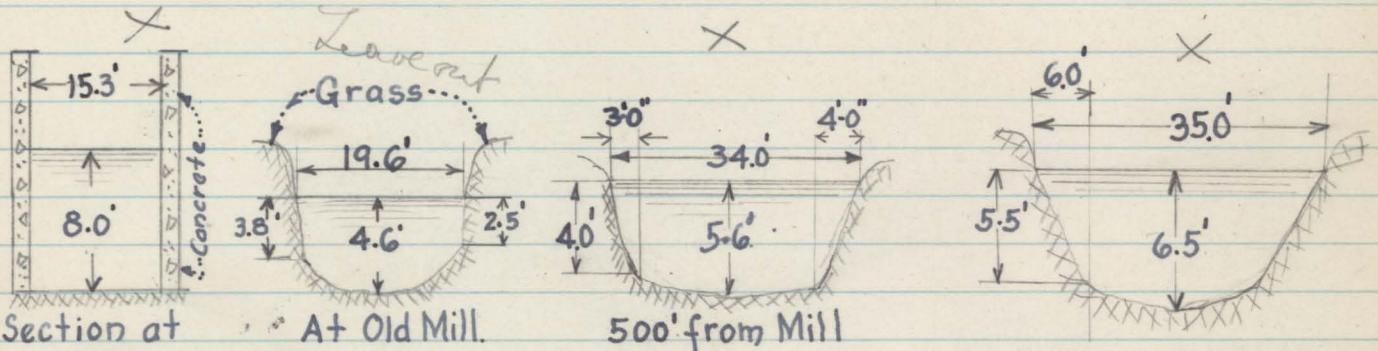
16. HEAD RACE OR CANAL.

(a) Length.

Head Gates to Screens = 1960 ft. Long.

(b). Cross-Section.



At Sluice Gates the Gates were closed and water on closed side was 2.6" above level on Mill Pond Side.

(c). Slope.

Cannot obtain as gates are only opened at night.

(d). Discharge. Capacity.

Cannot obtain as wheel runs only at night.

(e.) Character of Construction.

Natural Banks. and earth bottom.

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17. WATER WHEELS INSTALLED.

OLD Mill (Inactive).

(a.) Number.
One

(b) Type.
Mc Cormick 42" Vertical : Wicket Gate

(c). Name of Maker.
S. Morgan Smith Co.

(d). Dimensions
42"

(e.) Rated Capacity of each.
63 H. P. under 10.5' head -

NEW MILL.

(a). Number.
One

(b). Type.
Mc Cormick 60" Vertical

(c). Name of Maker.
Morgan & Smith, York, Pa.

(d). Dimensions
60"

(e) Rated Capacity of each.

400 H.P.

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18- TAIL RACE.

(a.) Length.

One hundred twenty-five feet.

(b). Cross - Section.

Twenty feet wide by thirteen feet deep.

(c.) Slope.

Very slight.

(d). Discharge Capacity.

Sufficient for discharge of wheel.

(e.) Character of Construction.

Rough trench through bank

19. LOCATION OF PLANT USING PRIVILEGE.

On Carroll Co. side of North Branch of Patapsco River about 1200 feet west of State Road through Oakland Mills, Maryland.

20. HISTORICAL DATA ON PLANT.

(a.) Dates of Original uses.

Since about 1820 it has been used as a mill.

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(b). Character of Original Uses.

From information available it appears as though it has always been a woolen mill.

(C.) Changes in Ownership and present Owner or lessee.

This is clearty set forth in the answer to Question No. 4, (b).

(d) Information on sales or rentals of plant

No sales nor rentals since Melville. Woolen Co. acquired the property.

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21- BRIEF DESCRIPTION OF PLANT.

(a) Product.

Woolens.

(b). Description of Manufacturing process.

The raw product goes through the following processes before becoming the finish product:- Dyeing, Carding, weaving, Washing, Inspection.

(c.). Industrial Buildings; Character; type; Number and Size:

Office:-

One Story building - Brick Construction:- 26.3'x 32.3'. Tin-Roof. Wood Sash - Very Good Condition

Weaving Mill:-

Two Story building - Brick, Concrete Lintels, Steel Sash, Tin Roof, Automatic Sprinklers, 200'x70'. Very Good Condition.

Spinning Mill.

Five story building - Stone, Wood Sash, tin Roof, 109.5'x62', Old but in fair Condition - Automatic Sprinklers.

Power House:-

Concrete Pilasters, and Beams, brick Panels, Stone Sash, one end stopped with boards evidently left for an extension, Tin Roof, Good Condition, 52'.0 x 30.7'. Automatic Sprinklers Stack:- Concrete 95' High, very Good Condition

Engine Room:- Brick, Steel Sash, tin Roof, Automatic Sprinklers, 75'x 52.4'. Very Good Condition.

Picker House:- Hollow tile Construction, Asbestos Shingle Roof, Automatic Sprinklers, Wood sash, Two Story building, Good Condition, 40'x40'.

Dye House:- One Story building, Hollow tile, paper roof, Wood Sash, Automatic Sprinklers, 105'x 40, Fair Condition.

Warehouse:- Corrugated Iron Sides, Concrete base, tin Roof, 2-Story, Wood Sash, Automatic Sprinklers, 100'x48' Good Condition.

Carpenter Shop:- Hallow tile, Asbestos Shingle Roof, Wood Sash, one Story, Good Condition.

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Old Mill Building:- Two Story, Stone, Wood Sash, Building not in use, dilapidated.

The Melville Woolen Co. also owns the following buildings in the Villiage of Oakland Mills, Md.

Houses:-

25- Two Story Two family Frame dwellings. Fair Condition
1- " " " " Stone dwelling. " "
1- 1½ " " Two family Frame dwelling. " ".
2- Two " One " " " " " "

One Two Story Public Hall, pebble finish, Good Condition.
One Two Story Frame School House, Fair Condition.
One One Story and basement Store, basement Stone, Superstructure frame- Fair Condition.

Residences:-

2- Two story Clapboard Residences- Very Good Condition.
2- " " " " " Good Condition.
1- " " Brick Residence- Excellent Condition.
2- " " Clapboard Residences- Small- Good Condition.

(d) Manufacturing Equipment.

Dye House:-

1- C.G. Sargents Sons Corp.- Raw Stock Dryer with Squeeze rolls and feeds.
1- 20 H.P. Motor- Crocker-Wheeler.
3- Dye Tubs 8' diam. x 5' deep - wood.
4- Dye Tubs 7'-6" diam. x 7' deep - Wood.
2- Boxes 3' x 5'-6" x 4'±.
* 1- Raw Stock Dryer- Screen.
* 1- 7.5 H.P. Motor.
*Not in Use:- In West End of Building.
1- Schaum & Uhlinger, Phila. Pa. Steam driven extractor - 48" basket.
1- Piece Dyeing machine - 8 String - Wood - driven by
1- 40 H.P. Allis Chalmers A.C. Motor, also drives Picker House Equipment. Uses Current from Diesel Engine Generator.

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(3)

1-G.E. D.C. Motor 40 H.P. (stand by Power) from Water Wheel Generator, with Necessary Starters and Switches.

Picker House:-

First Floor.

1- Parkhurst Burr Picker -48"
1- Bramwell Feeder. -48"
Made by G.S. Harwood & Sons-Boston.

1- Willow.

1- Fearnaught Mixing Picker-40"
1- Bramwell Feeder 40"
Made by G.S. Harwood & Sons - Boston.

1- 36" Fan to take stock from Mixing Picker to fifth Floor Spinning Mill- Card Room.

Second Floor.

1-18" Schofield Rag Picker.

Spinning Mill.

Fifth Floor.

6- Sets 48"×60" Furbush Cards Bramwell Feed- Metalic breasts Apperley Feed- Barker rubs.
2- Sets 48"×60" Same as above except Reading Type Condensers for Barker rubs.
1- M.A. Furbush & Sons 60" Traverse Floor Grinder.
1- 60 H.P. Westinghouse:- 440V: 3 phase: 60 cycle: A.C. Motor. Drives whole floor.
1- Stretching Drum 30" diam. ×60"
1- 60" Roy Traverse Grinder.
1- Rushton-Carroll Waste Saving System and one 18" Fan.
1- 48"×60" Waste Card - Bramwell Feed and Breast.
1- D. Frisby Co. Drum for Freight Elevator.

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(4)

Fourth Floor

4 - 450 Spindle M.A. Furbush Mules.
1 - 20 H.P. Crocker-Wheeler Motor - 440V, 3phase, 60 cycles - A.C.

Third Floor.

3 - 450 Spindle M.A. Furbush Mules.
1 - 20 H.P. Crocker-Wheeler Motor 440 V - 3phase
1 - 60" Spooling frame.
2 - 30 Spindle - Lazenby Winders.
2 - 3 H.P. Westinghouse Motors

Second Floor.

2 - 420 Spindle - Johnston & Bassett Mules.
2 - 420 Spindle - Davis & Furber Mules.
4 - Westinghouse - 5 H.P. Motors.
1 - Yarn Steamer Boiler Type - 48" Diam - 72" Long.

First Floor

1 - Washer - 6 String cloth washer - Rodney Hunt Machine Co. Orange, Mass.
1 - Jas. Hunter - 6 String cloth washer.
1 - 10 H.P. Motor for Washer - belting.
1 - Standby extractor - Shaum & Uhlinger 48" - Not installed.
1 - Hercules Extractor Centrifugal Hydro. Extractor No 11419 - Type D-REB - Size 48 - 700 R.P.M.
1 - 7.5 H.P. Star Elect. A.C. Motor.
4 - Jas. Hunter Machine Co. No 7 Fulling Mills.
1 - 25. H.P. Motor
1 - 120 yd. Kenyon Cloth Dryer (Not in use).
1 - Gould Duplex Fig. 153 - 6x12 - No 49534 - 114 G.P.M. pumps from race for Washers - 10 hrs.

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3.

Weaving Mills.

Second Floor.

1- 10 H.P. Motor Drives.
3- Davis & Furber warping mills with Creels and Compressors.
1- 10 H.P. Motor drives-
3- Compressor Spoolers.
3- Spooling frames.
1- Backwinding frames.
1- Johnston & Basset Bobbin winder - 124 Spindles.
1- Lazenby Winder - 3 spindles - 3/4 H.P. Motor.
70- 82" Crompton & Knowles looms.
70- 1- H.P. A.C. G.E. and Westinghouse Textile Motors.
1- Parks & Woolson - Cloth measuring perch.

First Floor.

4- 48" Crompton & Knowles sample looms.
4- 1- H.P. Westinghouse motors.
1- Sample reel 48" With Creel.
1- Parks & Woolson folding and measuring machine No. 5428.
1- Parks & Woolson Cloth measuring perch No. 5641.
1- 20 H.P. Crocker Wheeler A.C. Motor runs:-
1- D. Gessner Co. Cloth press No. P.D. 224.
1- Parks & Woolson double Shear No. 6314
1- Parks & Woolson double shear No. 4937.
1- Curtis Marble steam brush.
1- Woonsocket Napper 16 rolls.
1- 10 H.P. Westinghouse motor.
1- Curtis & Marble Power Tacking Machine No. 335.
1- 10 H.P. Lincoln - Through Reeves Reduction Dryer.
1- Butterworth Sons - 120yd dryer.

X

1- No. 6 Fan, Tommey & Co. Phila. Pa.
1- 2 H.P. G.E. Motor.

(e). Number of employees.

140 - 185

(f). Area of Land incident to plant Purposes.

Entire tract 128½ Acres. - both plant and village

22. WATER POWER DEVELOPMENT.

(a.) Give brief description of use of Water for Power with average hours of use per day, opening of gates etc., for the last five years:-

1-60" Vertical Mc Cormick Water Wheel by Morgan & Smith, York, Pa.
1-Woodward Governor-Size C-No 2221-Compensating Type.
1-Crocker Wheeler No 113041 Size 76-D Type CCD-65KW at 625 R.P.M. 125V - 520 AMP- Generator.
1-Switch Board.
1-Crocker Wheeler Exciter-2400 R.P.M. Size HL-Type CCD. 125V.-20 Amp - 2.5 K.W.
1-Crocker Wheeler Generator Size 5486-480V-90.2 Amp. 3 phase-1200 R.P.M. 60 cycle -75 KVA.
1-Stand by exciter - Crocker Wheeler - Size 10-I-Type EM-12 H.P. SE. 775 R.P.M. 110V. 95 AMP. No 2592 Code No 45717.
1-20 H.P. Motor runs by Current from Diesel Engine in day time and by Current from Water wheels at Night. This Motor Operates the following:-1-Gould Triplex 6x8 Fig. 1140, Size 7x8 No 87909-175 G.P.M. pumps into Reservoir-24 hour Service.
1-Gould Triplex - Size 4x6, Fig. 1009 No 34550 for pumping domestic Water.

The following unit is also operated by Current from Diesel Engine in day time and by Current from Water Wheels at Night:-

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1- Demming Pump - Fig. 1809 - Size 3 x 3.5 - No 40626.
Float Control.
1- Lincoln Motor No 133704 :- 220-440V - 3 phase.
60 Cycle - 1800 R.P.M. 2 H.P. - 6.3 AMP.

Water is used for turning water wheels to generate electricity for running pumps, washers and some manufacturing equipment at night.

The gates are opened from 6⁰⁰ P.M. to 7⁰⁰ A.M.

Old Mill.

Not in Operation.

1- S. Morgan Smith Co. Mc Cormick 42" Vertical Water Wheel - Wicket gate.

1- Empire Machine Works - Cambridge Mass. Walsh Water Wheel Governor.

(b) Total Power Available.

463 H.P.

(C.) Average Power used.

(d) Duration of use

Twelve hours.

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23- STEAM POWER DEVELOPMENT

(a) Give brief description of steam power plant, if any, number and size of boilers number, type and size of power units.

2- Boiler(s):- Ames Iron Works Boilers - Tubular 125#s 150 H.P. each 18' drum : 72" diameter.

1- Boiler Feed Pump - Fairbanks Morse duplex steam driven 6x4x6 No. 79125

1- Worthington - Boiler Feed Pump - Size 6x4x6 Stand-by : not connected.

Steam power is only used for heating in winter season : for furnishing steam to the dyeing house and for running

1- Booster Fire pump - 3 Stage - Gould centrifugal pump: Size 5-25 No. 84814: 750 gpm against 230' head 1800 rpm

1- Steam Turbine - 40#s pressure.

The actual power is furnished by Diesel engines, a description of which follows the data on the steam plant.

(b)- Total power available.

300 H.P., however only one boiler operates at a time.

(c) Average power used

(d) Duration of use

Twelve hours.

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23- (e) - Coal for power purposes.

I - Kind of coal used.

Run of mine.

II - Amount of coal used in tons per year for last five years.

1500 to 1800 tons.

III - Annual cost of coal for last five years.

$5.60 per ton - delivered to plant

(f) - Operating force

Four men.

Diesel Engine Plant.

23- (a) Give brief description of ~~steam~~ power plant, if any, number and size of boilers, number, type and size of power units.

1 - Diesel Engine - Fairbanks Morse 240 H.P. 257 RPM Style VA

1 - Crocker Wheeler A.C. Generator No. 47379 Size 2038605 480V; 240 Amp 3phase 60 cycles 600 rpm 200 KVA

1 - G.E. exciter: - 10 KW Type RC 125 Volts 80 amp 1000 rpm No. 682750

1 - Crocker Wheeler motor - 15 Q: 60 cycles 3 phase: 7.5 H.P. 11.2 amp runs air compressors on diesel engines

1 - 24" Special Clutch on engine: Moore & White, Phila

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23 - (a)

1 - Fairbanks Morse - Diesel Engine Model 32 240 H.P. Rpm. 257 Style VA

1 - Fairbanks Morse Alemater Ser. No. 237723 Type D FR 536 KVA 200 Rpm 257 3 phase 60 cycle 480 V Rated capacity 155 KW at sea level

1 - Fairbanks Morse Exciter Ser. No. X-50301 Type MX Frame 10B KW-10. Shunt wound 80 amp. 257 rpm Volts - full load 125 Cont. duty 40°C 125% load 2 hrs 55°

3 - Transformers:
Packard Elec. Co. Polarity additive.
Ser. Nos. 60438 : 60439 : 60440
KVA - 25 : Cont. 55° rise Type A 1 phase 60 cyc. 440 - 110 - 220

1 - Switch Board - with necessary switches, meters etc. includes
1 - Voltage regulator - G.E. Type TA 125 Form F-4 A.C. Volts 100-125 : exciter volts 50-125 : Cycles 25 - 125

(b) Total power available

Six hundred (600) horse power. Each diesel engine is rated at 240 H.P. with 125% overload = 300 H.P.

(c) Average power used.

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(d) - Duration of use
Twelve hours

(e) Coal for power purposes.
I- Kind of coal used - (oil)
Crude oil

II - Amount of oil used per year for last five years
One hundred (100) gallons per day

III - Annual cost of coal (oil) for last five years
Six cents per gallons

(f) Operating force
Four men - same force as used on boilers.

Oil is kept in a 10,000 gallon steel tank and from there pumped into two (2) 400 gallon tanks which feed to the diesel engines.

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24. PURCHASED POWER.

(a). From whom purchased.

None.

(b). Amount purchased annually for last five years.

None.

(c.). Schedule of Power Rates.

None.

25. INDUSTRIAL USES OF WATER, OTHER THAN POWER.

(a). Character of use.

For steam: used in dyeing: washing: heating etc.

For process: used in dyeing: washing.

For fire protection.

(b). Amount used for Steam.

10,800 gallons per day

(c.) Amount used for Process.

365,000 gallons per day.

26. PLAT SHOWING TO APPROXIMATE SCALE.

(a.) Location of Privilege, property Lines, dam and Appurtenant Structures.

~~Attached.~~ see plat page

(b). Location of Plant and Buildings.

~~Attached.~~ see plat page

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MADE IN CONNECTION WITH WORK

27 - Repeat from other privileges

28- NAME OF INVESTIGATOR ON EACH SECTION AND DATES WHEN DATA WERE OBTAINED.

H.S. Shryock, Plant Valuation Engineer.
A.F. DiDomenico, Asst. Plant Valuation Engineer

Field Notes - November 3, 1932 to November 10, 1932
Photographs - November 4, 1932.

Information on length of mill race: length and type of construction of dam: horse power of water wheel in old mill obtained from report of Greiner & Whitman on the Oakland Manufacturing Co., pre-decessors of Melville Woolen Co., dated June 16, 1915.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-9 FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

29. TAX ASSESSMENT OF PRIVILEGE.

(a.) Last two Assessments in as much detail as possible.

1927 Carroll County.

In Name of Melville Woolen Mills.

Description	Land	Improvements
Land	$ 3880	$
House №1 & Garage (Graham)	500	5500
" №2 - (Scofield)	100	800
" №3 & Garage (Richter)	200	3125
" №4 - " " (Fitzgerald)	200	3125.
13 Double Houses	650	9100.
11 " "	550	9900
House №16 (Thomas)	200	10300
" №25 (George)	200	3000
" №30 and Garage	200	3100
1- Single House №19	50	400
1- " " №22	50	600
2- Double House	100	800
House №36 & Garage (Hussey)	300	3100.
Store Property.	200	2000
School "	100	1200
Dye House	200	6000
Old Mill	100	500
Office	50	3000
Stone Mill 5 Stories	400	20,000
Brick Mill	200	45000
Warehouse	200	5000
Recreation Building.	-	12000
	$8630.00	$147,550

Total for 1927 ..... $156,180.00

Addition 1932 Tools & Machinery $35,000.00

1932 An abatement of $21000. given 21,000.00 on this property 14,000.00

Total for 1932 ..... $170,180.00

Request Item 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-9. FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

1922:- Carroll County.

In Name of Melville Woolen Mills.

111 Acres

20 "	@ $45.00	$900.00
6 "	@ 300.00	1800.00
15 "	Pasture @ $50.00	750.00
70 "	Barren @ $15.00	1050.00
3 Houses	@ $200.00	600.00
3 "	@ 400.00	1200.00
12 "	@ 500.00	6000.00
12 "	@ 750.00	9000.00
1 "		1000.00
Blacksmith Shop		200.00
Small Mill		2000.00
Garage		50.00
2 Houses	@ $3000	6000.00
1 House		5000.00
1 House		2000.00
1 House		1800.00
Barn		300.00
Old Store		1000.00
New Store		1500.00
Large Mill		15000.00
Dye House		4000.00
Ware House		3500.00
2- Garages	@ $150.00	300.00
New Mill		25000.00
New House.		7000.00 ... $96,950.00

Total for 1922 ..... $96,950.00

1925 additions:- New Office Bldg ... $2000.00

New Garage 600.00

Machinery 30000.00 ..... 32,600.00

Total for 1925 ..... $129,550.00

Request Item 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-9. FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

(b). The practice of Tax Assessor in determining Assessments. (Percentage of Actual Valuation).

Carroll County:
60% of Actual Value.

(c.) Sources of Information.

Carroll County
Court House - Westminster Md.
1927:- Liber District No 5 - Freedom.
1922:- Liber District No 5 - Freedom.

(d). Dates of Obtaining Data.

Carroll County:- February 21, 1933
February 23, 1933.

No Assessment in Baltimore County.

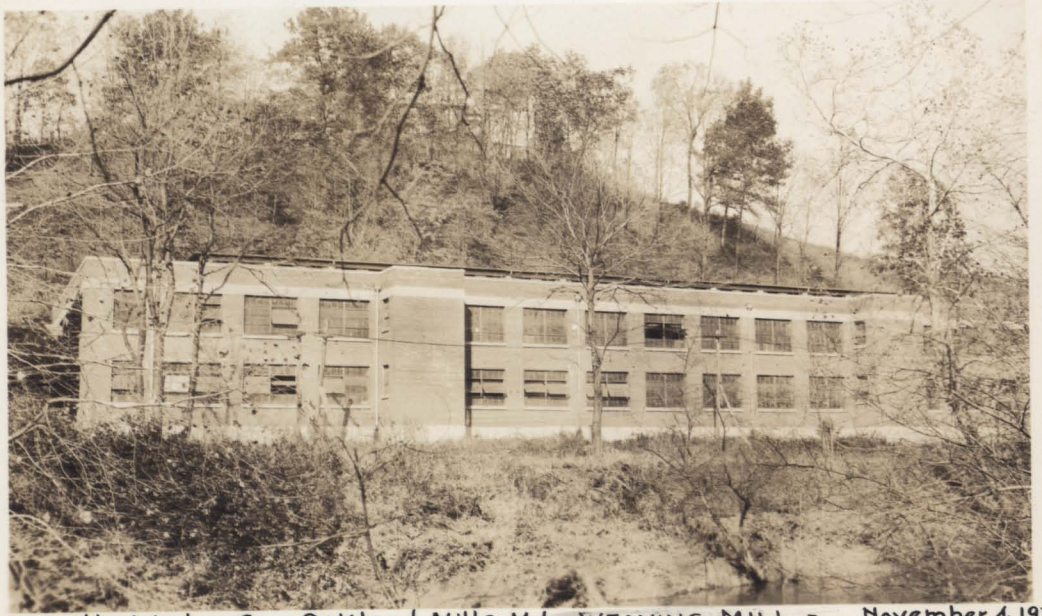
MELVILLE WOOLEN CO.
Oakland Mills, Md.

P-9.

Dam for Melville Woolen Co. Oakland Mills, Md November 4, 1932

119

P-9.



Melville Woolen Co. - Oakland Mills, Md. - WEAVING MILL - November 4, 1932

120

Request Item No 13.
Privilege No P-9.

MELVILLE WOOLEN CO.
Oakland Mills, Md.

P-9

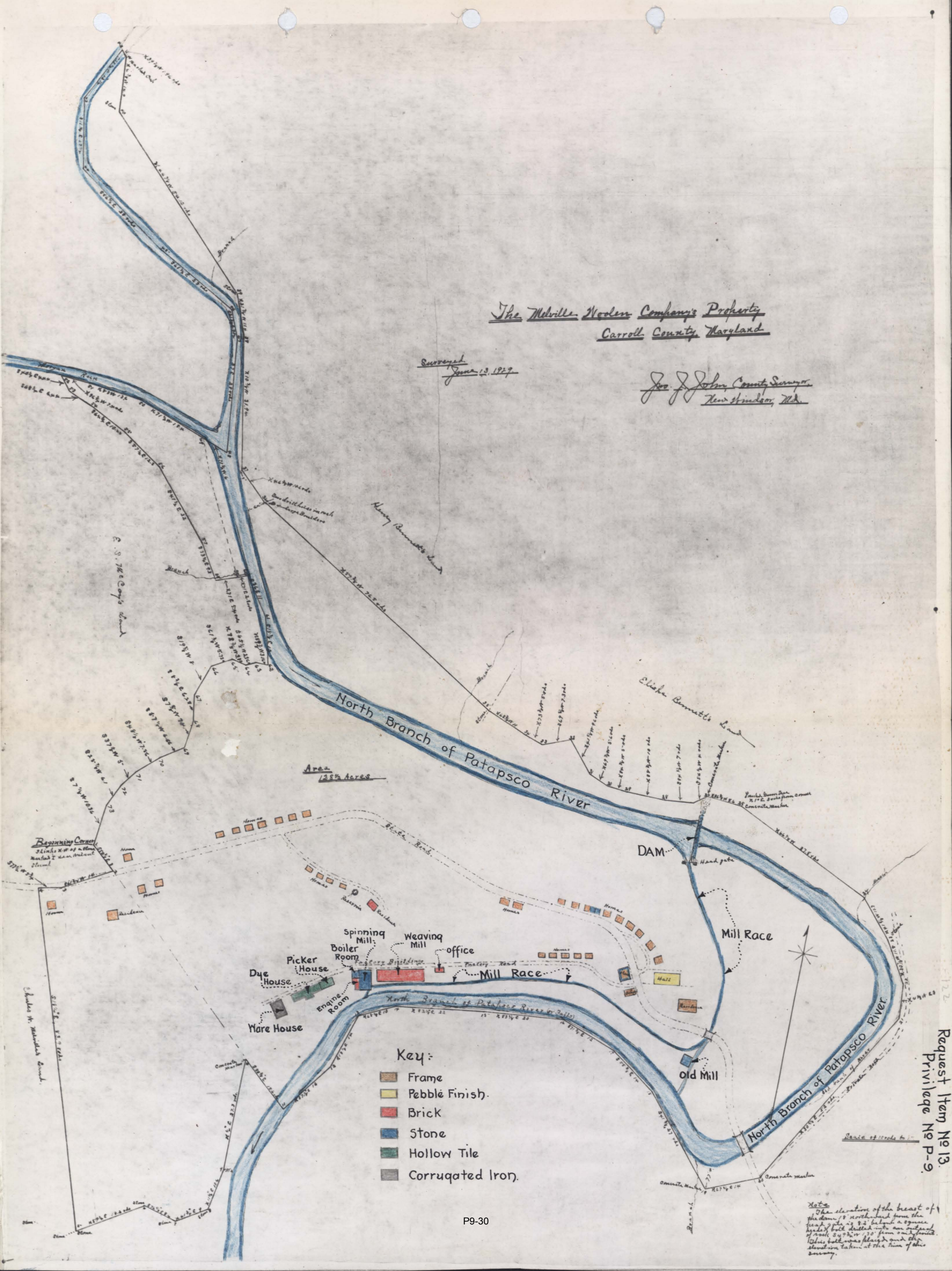
Melville Woolen Co. Oakland Mills, Md. PORTION of PLANT November 4, 1932.

Mist this picture

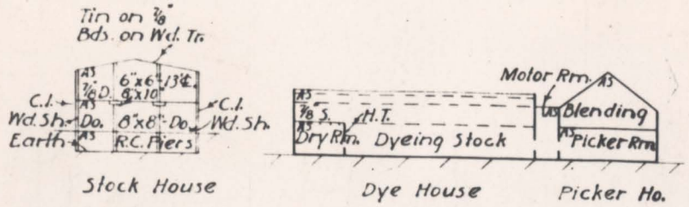
P-9.

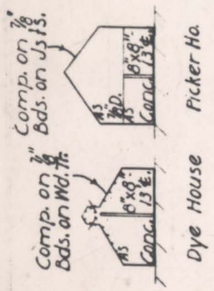
Melville Woolen Co. Oakland Mills, Md. PORTION of PLANT November 4, 1932.

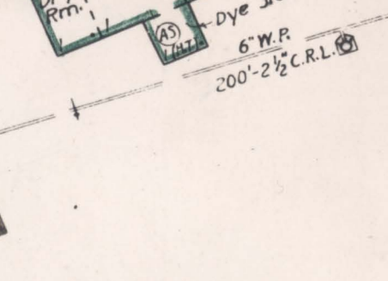
121

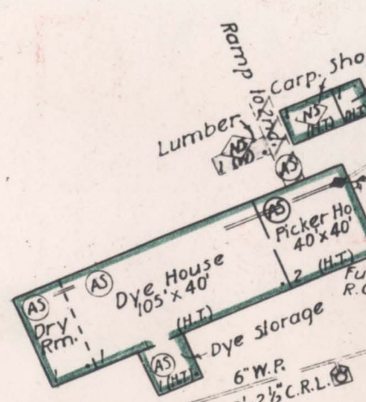

The Melville Woolen Company's Property
Carroll County Maryland
Surveyed June 13, 1929
Jno. J. John, County Surveyor, New Windsor, Md.
North Branch of Patapsco River
Area 128½ Acres
DAM
Head gate
Mill Race
Old Mill
Spinning Mill
Weaving Mill
Boiler Room
office
Picker House
Dye House
Engine Room
Ware House
Mill Race
North Branch of Patapsco River
Key:
Frame
Pebble Finish.
Brick
Stone
Hollow Tile
Corrugated Iron.
Request Item No 13.
Privilege No P-9.

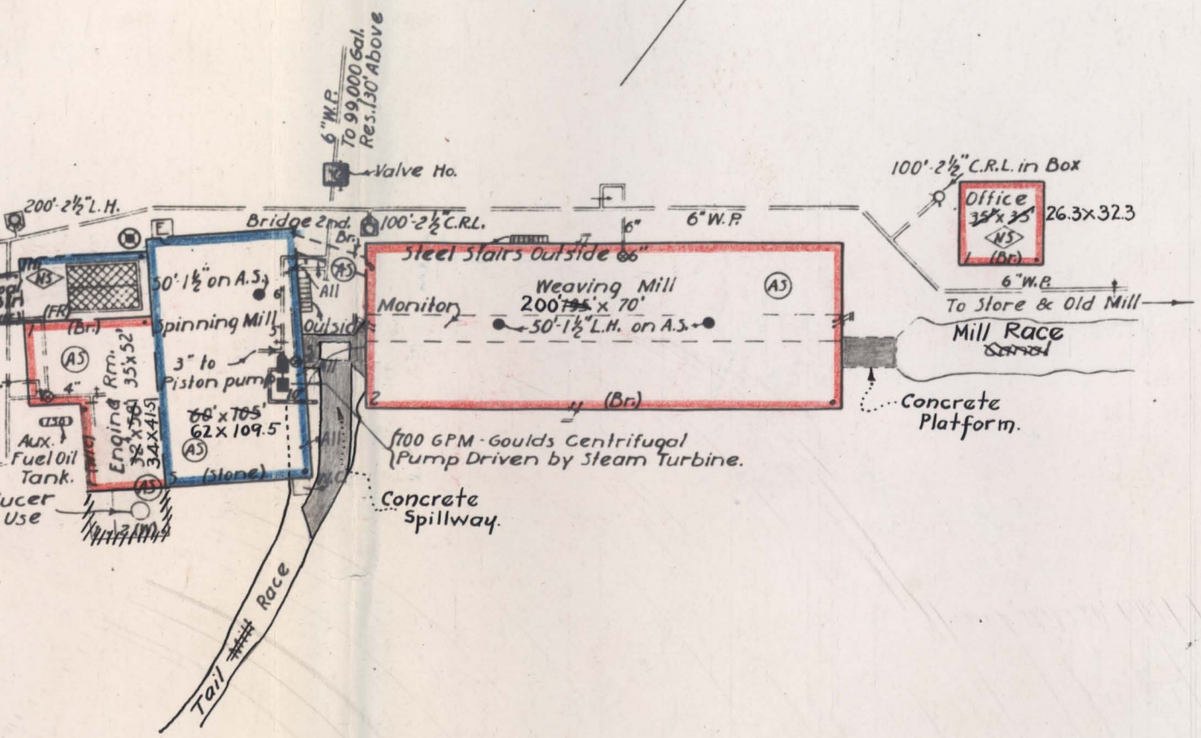
Request Item No 13.
Privilege No P-9.

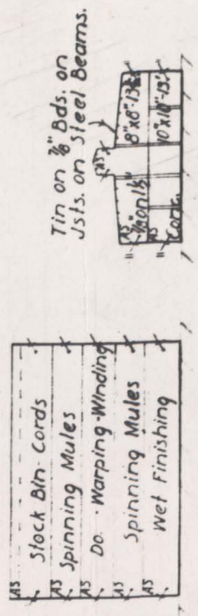












- LEGEND -

COLORS: ~~Yellow - Wood - Red - Brick or Hollow Tile - Blue - Stone, Concrete or Concrete Block - Green - Iron Walls or Iron Clad - Brown - Fire Resistive~~

- Parapet Wall (one cross line for each 6 inches in height)
- Window & non-Std. Shutter (1 Story)
- Window & Standard Shutter (2 Stories)
- Non-Std. wired glass (3 Stories)
- Standard wired glass (2 Stories)
- Protected 2nd. & 4th. 1st. unprotected. No opening 3rd. Dots represent openings counting from left to right of building
- Unprotected wall opening
- Standard Fire Doors
- Non-Std. Fire Door
- AFA Automatic Fire Alarm
- (FA) Fire Alarm Box
- Open Joists
- Sheathed Ceiling Plank & Timber Concrete Floor
- Open Stairs
- Stairs with combustible enclosure
- Stairs with non-combustible enclosure
- (E) Open Elevator
- (E) Trapped
- (E) In combustible shaft
- (E) In non-combustible shaft.

H = Hatch, E = Elevator C = Chute, D = Dumbw'r.

- Boiler
- Boiler enclosed in brick.
- (AS) Automatic Sprinkld
- (NS) Not Sprinklered
- Buried Water Pipe
- Exposed Water Pipe
- Suction Pipe
- Gate Valve less key
- Gate Valve with wheel
- Outside screw & yoke
- Indicator Post Valve
- Check Valve
- Alarm Check Valve
- Alarm Valve
- Dry Pipe Valve
- Siamese Conn.
- Alarm Gong with hood
- Open Sprinklers
- Stand Pipe
- Auto. Sprinkler Riser
- Hydt. in Hose House
- Private Hydrant
- 2 way Hydrant with Steamer Connection

Key:

- Brick
- Stone
- Corrugated Iron
- Hollow Tile

MELVILLE WOOLEN CO.

OAKLAND MILLS — MD.

Surveyed Sept. 16, 1927 By R.P.S.

IMPROVED RISK MUTUALS

75 FULTON ST. — NEW YORK CITY

0 25 50 75 100

SCALE: 1" = 50'

August 5, 1929. F.T. & R.L.

PRIVILEGE ~~No~~ P-10

John L. Bollinger

On Middle Run.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT WATER AND WATER POWER RIGHTS FILE NO.
Patapsco Project. ACC. NO.
Privilege No. P-10 FROM TO
COMPUTED BY H. S. Shryock CHECKED BY A. F. DiDomenico DATE 19

MADE IN CONNECTION WITH WORK

LOCATION - ON MIDDLE RUN - A TRIBUTARY TO NORTH BRANCH OF PATAPSCO RIVER
Active Privilege

1 - CORPORATE NAME OF OWNER OF PRIVILEGE

John. L. Bollinger.

2 - LOCATION OF PRIVILEGE

On Middle Run about one mile above its confluence with the North Branch of Patapsco River.

3 - BRIEF DESCRIPTION OF PRIVILEGE.

A grist mill, dam and mill race on Middle Run.

4 - HISTORICAL DATA ON PRIVILEGE.

(a) - Dates of various acquisitions.

I - Acquired by inheritance - 89.7 acres
II - 1909 acquired 7.1 "

(b) - Changes in Ownership

First: 89.7 acres.

January 10, 1825 - Edmond H. Stocksdale to Henry Whalen.

January 29, 1866 - Henry H. Gore and Elias Stocksdale, trustees, to George F. Braining.

February 6, 1883 - Geo. F. Braining and wife to Magdalene Bollinger

Request Item No. 13

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-10 FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

Second - 7.1 acres.
October 4, 1909 - Charles Lyons to Charles F. Bollinger.
February 14, 1913 - Charles F. Bollinger and wife, to John L. Bollinger.

(c) - Information on sales and rentals
None

5 - TOTAL AREA OF WATERSHED ABOVE PRIVILEGE.

9.25 Square Miles.

6 - AREA OF WATERSHED USED.

All the above.

7 - AMOUNT OF WATER UNDER PRIVILEGE.

(a) Claimed.
All in Run above dam

(b) Granted

8 - AMOUNT OF WATER USED

(a) Power
Normal capacity of Middle Run.

(b) Process
None

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-10 FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

9 - FALL OR HEAD UNDER THE PRIVILEGE

(a) Claimed

Over 19 feet

(b) Granted

10 - FALL OR HEAD USED OR DEVELOPED

19.5 feet

11 - DATA ON MILL POND

(a) Approximate area

As the dam is at the foot of a natural falls and is only the height of the falls the area of the pond is negligible

(b) Approximate depth

(1) - Total Available

About two feet

II - Available

Two feet

(c) Approximate capacity.

Very small

12-13 - Not applicable

14 - LOCATION OF DAM.

On Middle Run about one mile from where it joins the North Branch.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-10 FILE NO.

ACC. NO.

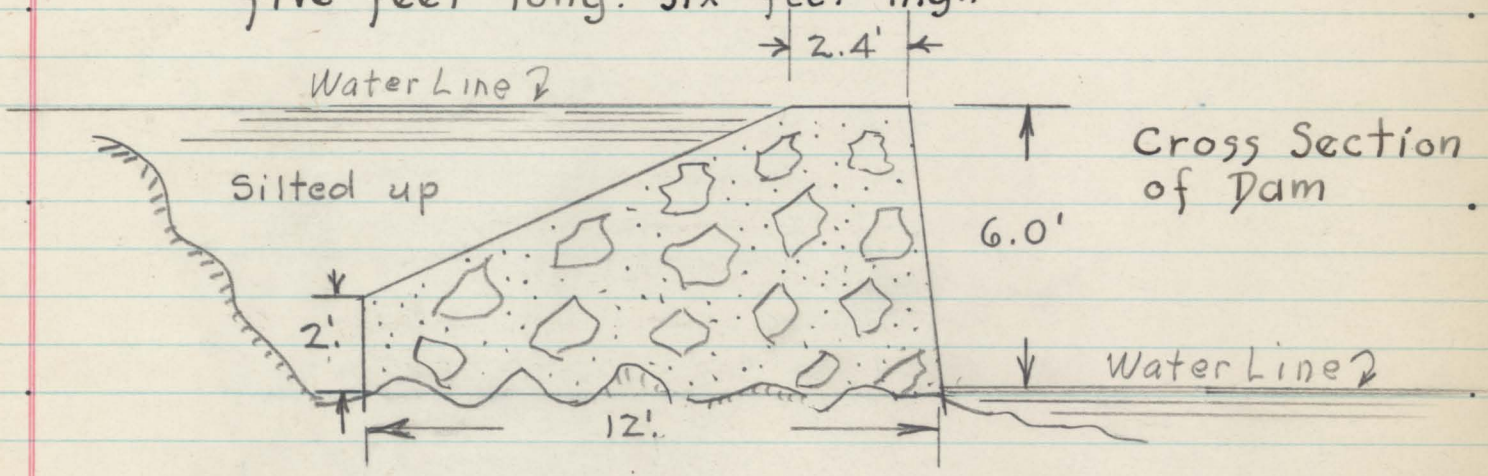
FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

15 - DESCRIPTION OF DAM

A cyclopean masonry dam about sixty-five feet long: six feet high



Cross Section of Dam

16 - HEAD RACE OR CANAL

(a) Length

Seven hundred seventy-three (773) feet

(b) Cross-section

Changes constantly but would average about 7.0' wide by 1.25' deep.

(c) - Slope

Impracticable to obtain

(d) - Discharge capacity

4,000 000 gallons per day.

The above was figured from the flow through a sluice gate when the mill was shut down

(e) - Character of construction.

A very irregular dirt, or earth, ditch.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-10 FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

17 - WATER WHEELS INSTALLED

(a) Number

One

(b) - Type

Overshot - 1-X-L Steel

(c) - Name of Makers

Fitz Water Wheel Co., Hanover, Pa.

(d) - Dimensions

19'4" Diameter by 3'6" wide

(e) - Rated capacity of each

About 10 H.P.

18 - TAIL RACE

(a) - Length.

Sixty feet

(b) - Cross-section.

Very irregular. Averages 7' wide by 8' deep.

(c) - Slope.

Cannot be obtained.

(d) - Discharge capacity

Cannot figure

(e) - Character of construction

A large trench from mill to Middle Run. Very irregular.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-10 FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

19 - LOCATION OF PLANT USING PRIVILEGE

On West bank of Midde Run about one mile above its confluence with the North Branch.

20 - HISTORICAL DATA ON PLANT

(a) - Dates of original uses.

Has been a mill since 1825

(b) - Character of original uses

Grist mill

(c) - Changes in ownership and present owner or lessee

John L. Bollinger, is present owner.

(d) - Information on sales or rentals of plant.

None

21 - BRIEF DESCRIPTION OF PLANT

(a) - Product

Corn meal; buckwheat etc.
Sawed logs; boards etc.

(b) - Description of manufacturing process.

Meal is ground in the grist mill and logs are sawn in the saw mill.

(c) - Industrial buildings: character, type, number and size.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-10 FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

#1 - Mill - Three stories and attic - good condition.
39' x 30.3' x 30' high.
2 Stories stone
2 " frame

#2 - Saw mill - One story - frame on stone foundation. 53' x 34': poor condition.

#3 - Cider press building: frame - 2 story
25.5' x 16' x 16' fair condition

There are also two frame dwellings on the property. They are both in first class condition. The usual barns: tool sheds etc are on the farm proper.

(d) Manufacturing equipment.

In Mill:
2 Burrs - 1-48" 1-42"
1 Homing Mill
1 Corn Crusher
All belt driven
also 1 - Western Electric dynamo, switches etc. for Delco Lighting system in mill and houses and for running electric pump in house for domestic water.

In Saw Mill:
1 - Band Saw Crescent Machine Co. Leetonia, Ohio
1 - Circular Saw
1 - Planer
1 - Log Saw 48" and 18' carriage
1 - Wood Saw.
All above belt driven.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT TP-10 FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

In Cider Press Building.
1- 75 ton cider press - Hydraulic Press Co., Mt. Gilead, Ohio

(e)- Number of employees
Three to Four

(f)- Area of land incident to plant purposes.
There are about 98 acres in entire farm of which about three acres may be said to be necessary for plant purposes

22- WATER POWER DEVELOPMENT
(a) Give brief description of use of water for power with average hours of use per day, opening of gates, etc. for the last five years, number, type and size of power units.
Water runs one overshot water wheel which runs burrs direct and other equipment by belt drive.
The mill is run whenever farmers bring grain to be ground: logs to be sawn or apples to be made into cider. Naturally the work is very seasonable

(b) Total power available
About 10 Horse Power

(c) - Average power used
Depends on demand.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-10 FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

(d) - Duration of use
Controlled by demand.

23 - STEAM POWER DEVELOPMENT

None

24 - PURCHASED POWER

None

25 - INDUSTRIAL USES OF WATER, OTHER THAN FOR POWER

None

26 - PLAT SHOWING TO APPROXIMATE SCALE.

(a) - Location of privilege, property lines, dam and appurtenant structures

~~Attached~~ see plat page

(b) - Location of plant and buildings

~~Attached~~. see plat page

27 - Repeat from other privileges

~~27~~ 28 - NAME OF INVESTIGATOR ON EACH SECTION AND DATES WHEN DATA WERE OBTAINED

H. S. Shryock, Plant Valuation Engineer
A. F. DiPomenico, Asst. Plant Valuation Engineer
Field Notes - January 16 and 17, 1933
Photographs - January. 24, 1933

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-10. FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

29. TAX ASSESSMENT OF PRIVILEGE.

(a.) Last two Assessments in as much detail as possible.

1927:- Carroll County-
In the Name of John L. Bollinger.
Total acreage 97.

53 Acres @ $30.00	$ 1590.00	
6 " @ 20.00	120.00	
31 " @ 20.00	620.00	
7 "	175.00	
Dwelling	800.00	
Dwelling	2000.00	
Barn	900.00	
Other Buildings	600.00	
Mill	1200.00	$ 8005.00

Total for 1927 $ 8005.00

1922:- Carroll County
In the Name of John L. Bollinger.
Total acreage 97.

48 Acres @ $25.00	$ 1200.00	
42 " @ 15.00	630.00	
7 "	175.00	
Dwelling	2000.00	
Barn	800.00	
Other Buildings	600.00	
Mill	1000.00	$ 6405.00

Total for 1922 $ 6405.00

(b). The practice of Tax Assessor in determining assessments. (Percentage of Actual Valuation).

Carroll County.
60% of Actual Value.

Request Item No 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-10. FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

(c.) Sources of Information

Carroll County
Court House, Westminster, Md.
1927:- Liber District No 5-Freedom.
1922:- Liber District No 5-Freedom.

(d) Dates of Obtaining data.

Carroll County :- February 21, 1933

Request Item No 13.
Privilege No P-10.

JOHN L. BOLLINGER.
Mill On Middle Run.

P-10

130

John L. Bollinger - Grist Mill on Middle Run Jan. 24, 1933.

P-10

131

Dam for Bollinger's Mills Jan. 24, 1933.

REQUEST ITEM 13
PRIVILEGE NO. P-10

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT PLAT SHOWING LOCATION OF BOLLINGER'S MILL ON MIDDLE RUN.

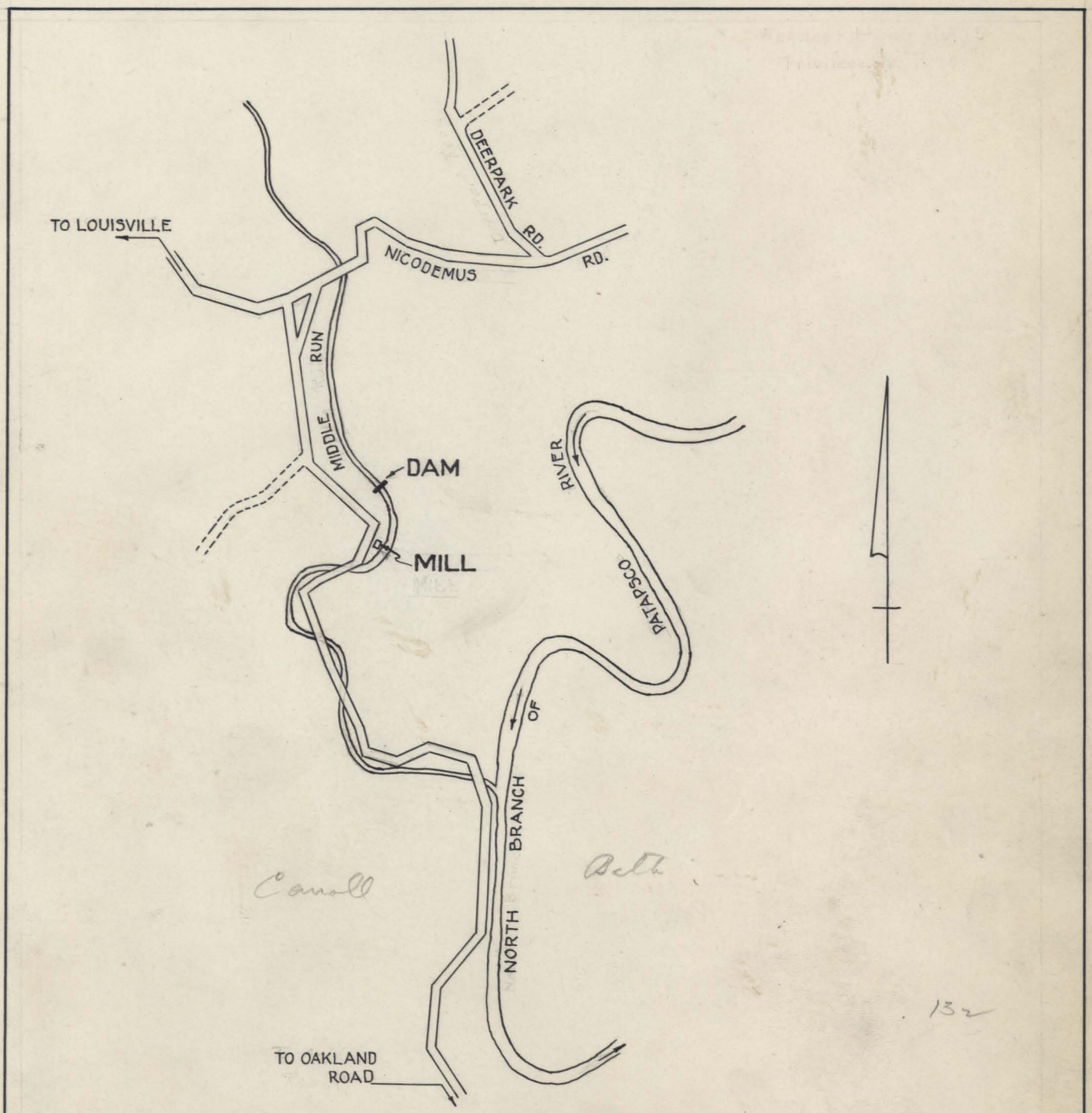
FILE NO.

ACC. NO.

FROM TO

DRAWN [redacted] BY A.F. Di Domenico. CHECKED BY H.S. Shryock DATE 1-25- 1933.

MADE IN CONNECTION WITH PATAPSCO PROJECT. WORK



APPROX. SCALE: 1-IN.=1000-FT.

REQUEST ITEM 13
PRIVILEGE MDP-10

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT PLAT SHOWING PROPERTY OF JOHN L. BOLLINGER ON MIDDLE RUN.

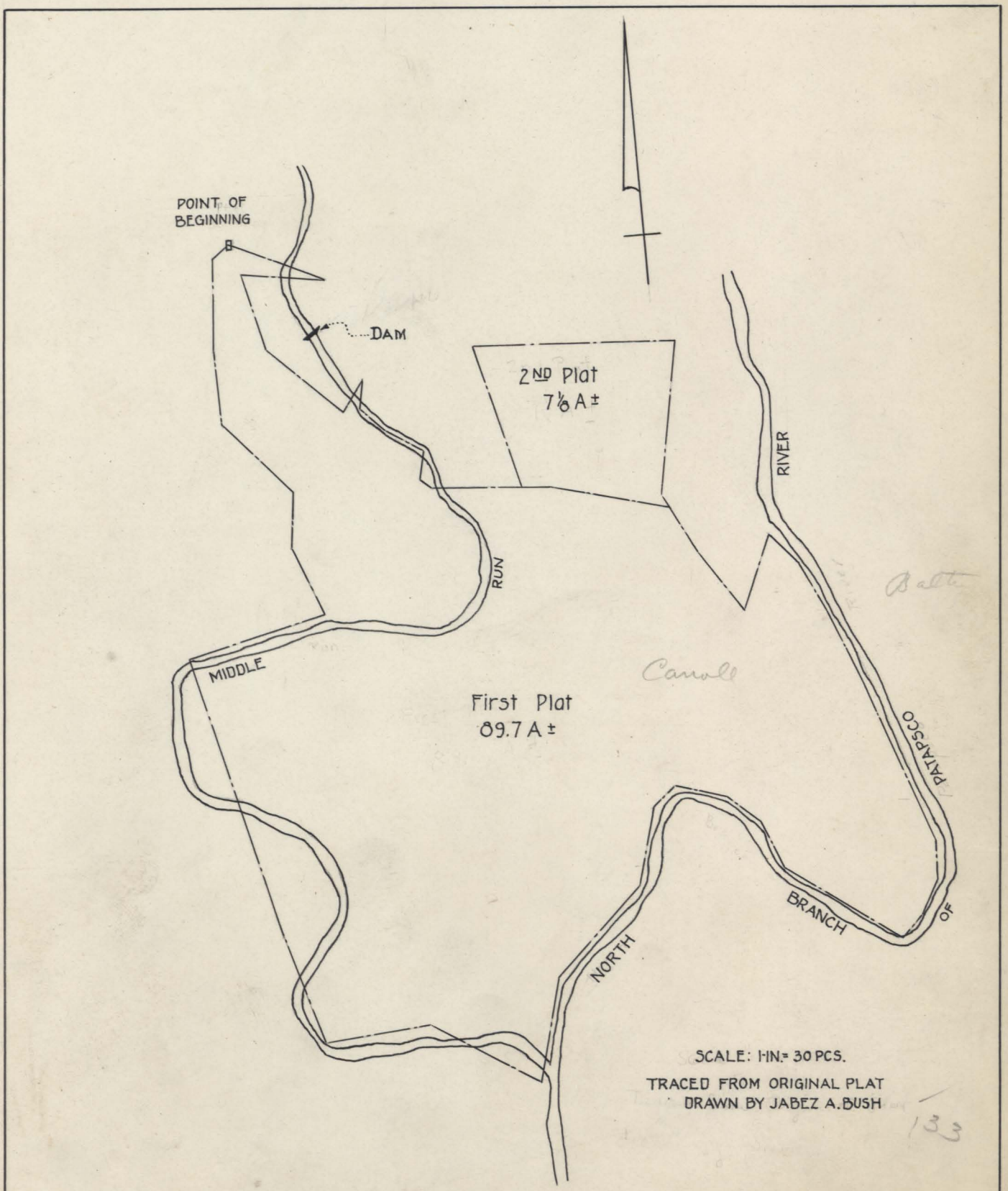
FILE NO.

ACC. NO.

FROM TO

DRAWN BY A.F.Di Domenico CHECKED BY H.S. Shryock DATE 1-25- 1933.

MADE IN CONNECTION WITH PATAPSCO PROJECT. WORK



REQUEST ITEM 13
PRIVILEGE NO. P-10

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT SKETCH SHOWING LOCATION OF BOLLINGER'S MILL - DAM AND RACE ON MIDDLE RUN.

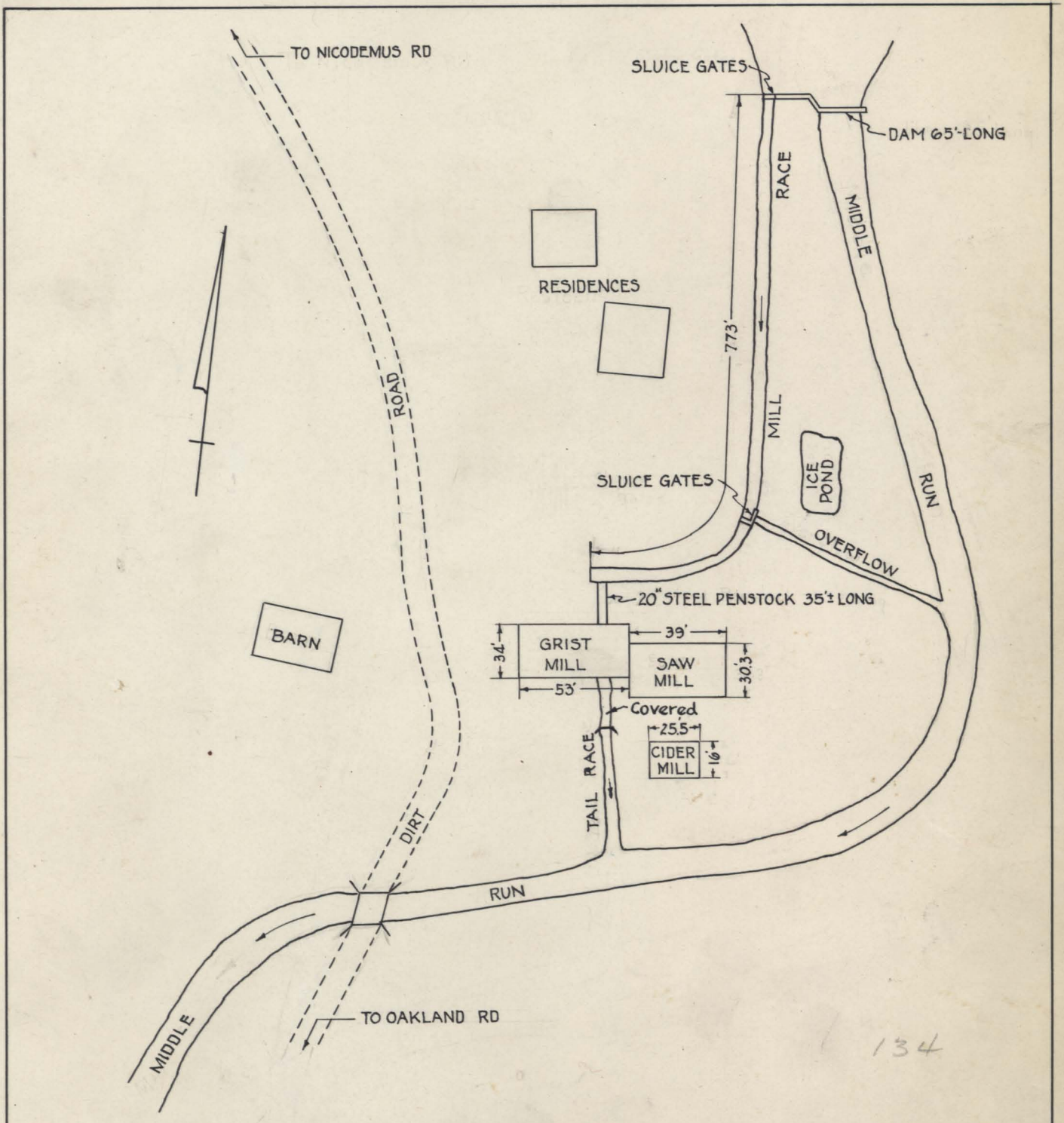
FILE NO.

ACC. NO.

FROM TO

DRAWN [redacted] BY A.F.Di Domenico CHECKED BY H.S.Shryock DATE 1-25- 1933.

MADE IN CONNECTION WITH PATAPSCO PROJECT. WORK



Not to Scale.

PRIVILEGE ~~No~~ P-11

Thomas A. Dell

On The North Branch.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT WATER AND WATER POWER RIGHTS FILE NO.
Patapsco Project ACC. NO.
Privilege No P11 FROM TO
COMPUTED BY H.S. Shryock CHECKED BY A.F. Di Domenico DATE 19
MADE IN CONNECTION WITH 135 WORK

LOCATION :- On North Branch, East of Deer Park Road about one half mile north of its intersection with Nicodemus Road.

Inactive Privilege

1. CORPORATE NAME OF OWNER OF PRIVILEGE.

Thomas A. Dell

2. LOCATION OF PRIVILEGE.

On Carroll County side of North Branch South of THE BUNKER.

3. BRIEF DESCRIPTION OF PRIVILEGE.

Ruins of a large Stone Mill on Carroll County side of North Branch.
There are also the ruins of two stone houses

4. HISTORICAL DATA ON PRIVILEGE.

(a.) Dates of Various Acquisitions.

May 25, 1917. - Contains :- 70 Acres ±

(b) Changes in Ownership.

Jan. 31, 1889 - Philip H. Glatfelter from J.A. Dushane and wife and Thos. H. Tolson and wife.
May 25, 1917 - Thos. A. Dell and wife from Amanda E. Glatfelter; Clara G. Moul and C.E. Moul, her husband; W.L. Glatfelter and L. Romaine Glatfelter.

(c) Information on sales and rentals.

None.

Request Item No. 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-11 FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

5. TOTAL AREA OF WATERSHED ABOVE PRIVILEGE.

89.2 Square Miles.

6-13- Not applicable

14. LOCATION OF DAM.

There are no visible evidences of the dam which we learn was washed out years ago.

15-14- Not applicable

20. HISTORICAL DATA ON PLANT

(a) Dates of Original uses.

About 50 years ago it was used as a paper mill and known as THE IVY PAPER MILL.

21-25- Not applicable

27- Copy from previous privileges

28. NAME OF INVESTIGATOR ON EACH SECTION AND DATES WHEN DATA WERE OBTAINED.

H.S. Shryock, Plant Valuation Engineer.
A.F. Di Domenico, Ass't. Plant Valuation Engineer.

Field Notes: January 17, 1933
Photographs: January 24, 1933.

see memo about (26) Di

SUBJECT P-11. FILE NO.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

29. TAX ASSESSMENT OF PRIVILEGE.

(a) Last two Assessments in as much detail as possible.

1927:- Baltimore County
In Name of Thomas A. Dell, Jr. and Monroe B. Dell.
14 Acres E. Side Nicodemus Rd. adj. Carroll County Line... $140.00

1927:- Carroll County
In Name of Thomas A. Dell, Jr and Monroe B. Dell.
50 Acres Tillable land @ $10.00 ..... 500.00

Total for 1927 in both Counties..... $640.00

1922:- Baltimore County.
In Name of Thomas A. Dell, Jr. and Monroe B. Dell.
14 Acres barren Land on E. Side of Nicodemus Rd adj.
Price, Stansburger & Carroll County @ $10.00..... $140.00

1922:- Carroll County.
In Name of Thomas A. Dell, Jr. and Monroe B. Dell.
50 Acres Tillable Land @ $10.00 ..... 500.00

Total for 1922 in both Counties..... $640.00

(b). The Practice of Tax Assessor in determining assessments. (Percentage of Actual Valuation).

Baltimore County
65% of Actual Value.

Carroll County
60% of Actual Value.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-11. FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

(c.) Sources of Information.

Baltimore County.
Court House Towson, Md.
1927 :- Liber 4- Folio 191
1922 :- Liber 4- Folio 118.

Carroll County
Court House Westminster, Md.
1927 :- Liber District No 4- Woolerys.
1922 :- Liber District No 4- Woolerys.

(d.) Dates of Obtaining Data.

Baltimore County :- February 14 and 16, 1933

Carroll County :- February 21 and 23, 1933.

Request Item No 13.
Privilege No P-11.

THOMAS A. DELL.

On The North Branch
Formerly The Ivy Paper Mill.

P-11

Thomas A. Dell - Formerly Ivy Paper Mill - on the North Branch - Ruins of Mill Jan. 24, 1933

137

REQUEST ITEM 13
PRIVILEGE NO. P11

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT PLAT SHOWING LOCATION OF PROPERTY OF THOMAS A. DELL FORMERLY CALLED IVY PAPER MILL.

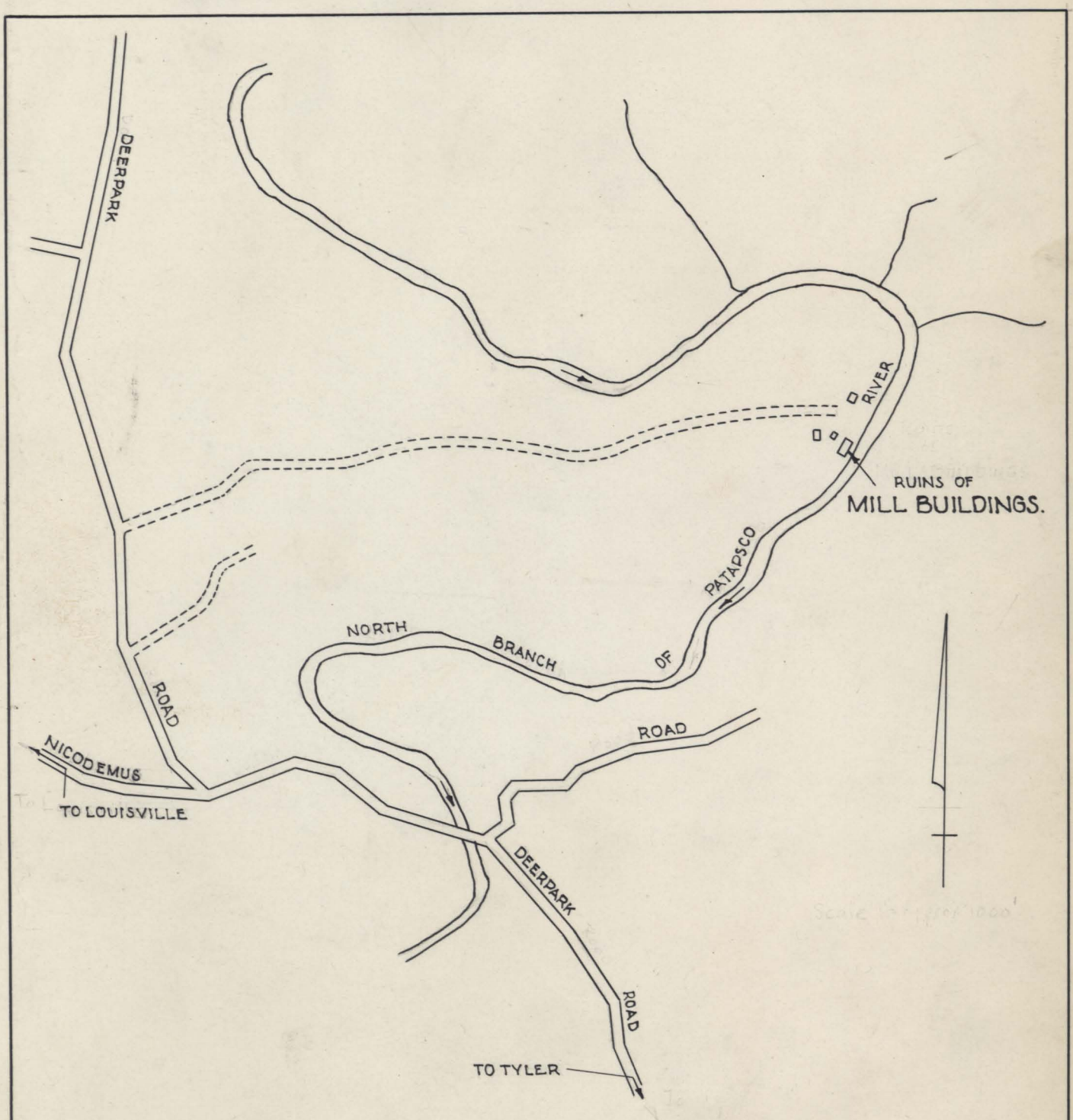
FILE NO.

ACC. NO.

FROM TO

DRAWN ~~COMPUTED~~ BY A. F. Di Domenico CHECKED BY H. S. Shryock DATE 1-25- 1933.

MADE IN CONNECTION WITH PATAPSCO PROJECT. WORK



APPROX. SCALE: 1 IN. = 1000 FT.

958

PRIVILEGE ~~No~~ P-12.

Charles F. Eckhardt.

West of Reisterstown.

Request Item No 13

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT WATER AND WATER POWER RIGHTS — FILE NO.
Patapsco Project — ACC. NO.
Privilege No P-12. — FROM — TO
COMPUTED BY H.S. Shryock — CHECKED BY A.F. Di Domenico — DATE — 19
MADE IN CONNECTION WITH 139 WORK

LOCATION:- On Cockey's Mill Road about Three Miles West of Reisterstown.

Inactive Privilege

1. CORPORATE NAME OF OWNER OF PRIVILEGE.

Charles F. Eckhardt.

2. LOCATION OF PRIVILEGE.

On Baltimore County side of North Branch at its intersection with Beaver Run.

3. BRIEF DESCRIPTION OF PRIVILEGE.

Only Portion of one Wall of Old Stone Mill is now Standing. There is no evidence of dam and only traces of Mill Race. There are also ruins of a large Stone Residence or Store House on the property near the Mill.

4. HISTORICAL DATA ON PRIVILEGE.

(a.) Dates of Various Acquisitions.

Ja June 6, 1929 - Contains : 58.72 ± Acres.

(b). Changes in Ownership.

Ja June 6, 1929 - Vincent L. O'Connor and Rosalie C. O'Connor to Charles F. Echardt.

June 6, 1929 - Carroll Bldg Assoc. to Vincent L. O'Connor.
June 3, 1921 - Margaret N. Thornton to Carroll Bldg Assoc.
June 3, 1921 - Blanche T. Edison et al to Margaret N. Thornton.
March 6, 1908 - Elizabeth Smith to Jacab Kraft (Blanche Edison heir to Kraft)
Nov. 16, 1904 - Geo. W. Smith to Elizabeth Smith.
March 26, 1901 - Eliza. Smith & Wm H. Smith to Geo. W. Smith.
Feb. 5, 1893 - Sarah Johnson to Elizabeth M. Smith.
Nov. 20, 1888 - Alice A. Johnson to Sarah Johnson.
Aug. 30, 1881 - Louisa Benson to Alice A. Johnson

Request Item No 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-12 FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

5. TOTAL AREA OF WATERSHED ABOVE PRIVILEGE.

88.1 Sq. Miles.

6-13 - Not applicable

14. LOCATION OF DAM.

There are no visible evidences of the dam which we learn was washed out years ago.

15-19 - Not applicable

20. HISTORICAL DATA ON PLANT.

(a.) Dates of Original Uses.

Old Mill built in 1774, as evidenced by stone still extant. This Mill was originally known as Cockey's Mill.

21-25 - Not applicable

26. PLAT SHOWING TO APPROXIMATE SCALE.

(a) Location of Privilege, Property Lines, dam and appurtenant structures.

~~Attached.~~ see plat page

(b). Location of Plant and Buildings.

~~Attached.~~ see plat page

27 - Repeat from other privileges

28. NAME OF INVESTIGATOR ON EACH SECTION AND DATES WHEN DATA WERE OBTAINED.

H.S. Shryock, Plant Valuation Engineer.
A.F. Di Domenico, Ass't Plant Valuation Engineer.

Field Notes:- Jan. 18 to 20 Inclv.
Photograph:- Jan. 30, 1933.

Request Item No. 13/

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-12. FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

29. TAX ASSESSMENT OF PRIVILEGE

(a.) Last two Assessments in as much detail as possible.

1927:- Baltimore County.

In Name of Charles F. Eckhardt.

36 Acres Benson Mill Rd. from Jol $540.00

(From Jonas Herman Co. in 1930).

4 Acres Benson Mill Rd. 120.00

(From Baltimore County Commissioners in 1930).

No Assessment in Carroll County.

Total for 1927 ..... $660.00

1922:- Baltimore County.

In Name of Margaret M. Thornton

40 Acres on Benson Mill Rd. adj. Carroll Co. Line.

13 Acres tillable @ $30.00 ..... $ 390.00

27 " Barren Land @ $10.00 ..... 270.00

Dwelling 700.00

NO Assessment in Carroll County.

Total for 1922 ..... $1360.00

(b.) The Practice of Tax Assessor in determining assessments. (Percentage of Actual Valuation.)

Baltimore County.

65% of Actual Value.

Request Item No 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-12. FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

(c.) Sources of Information.

Baltimore County.
Court House Towson, Md.
1927 Liber 4 : Folio 234
1922 Liber 4 : Folio 547

(d) Dates of Obtaining Data.

Baltimore County : February 14 & 16, 1933.

Request Item No 13.
Privilege No P-12.

CHARLES F. ECKHARDT
Originally - Cockey's Mill.
West of Reisterstown, Md.

P-12.

C.F. Eckhardt - Ruins of Cockey's Mill

Jan. 30, 1933.

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REQUEST ITEM 13
PRIVILEGE NO. P-12

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT PLAT SHOWING LOCATION OF PROPERTY OF CHARLES F. ECKHARDT FORMERLY COCKEYS MILLS.

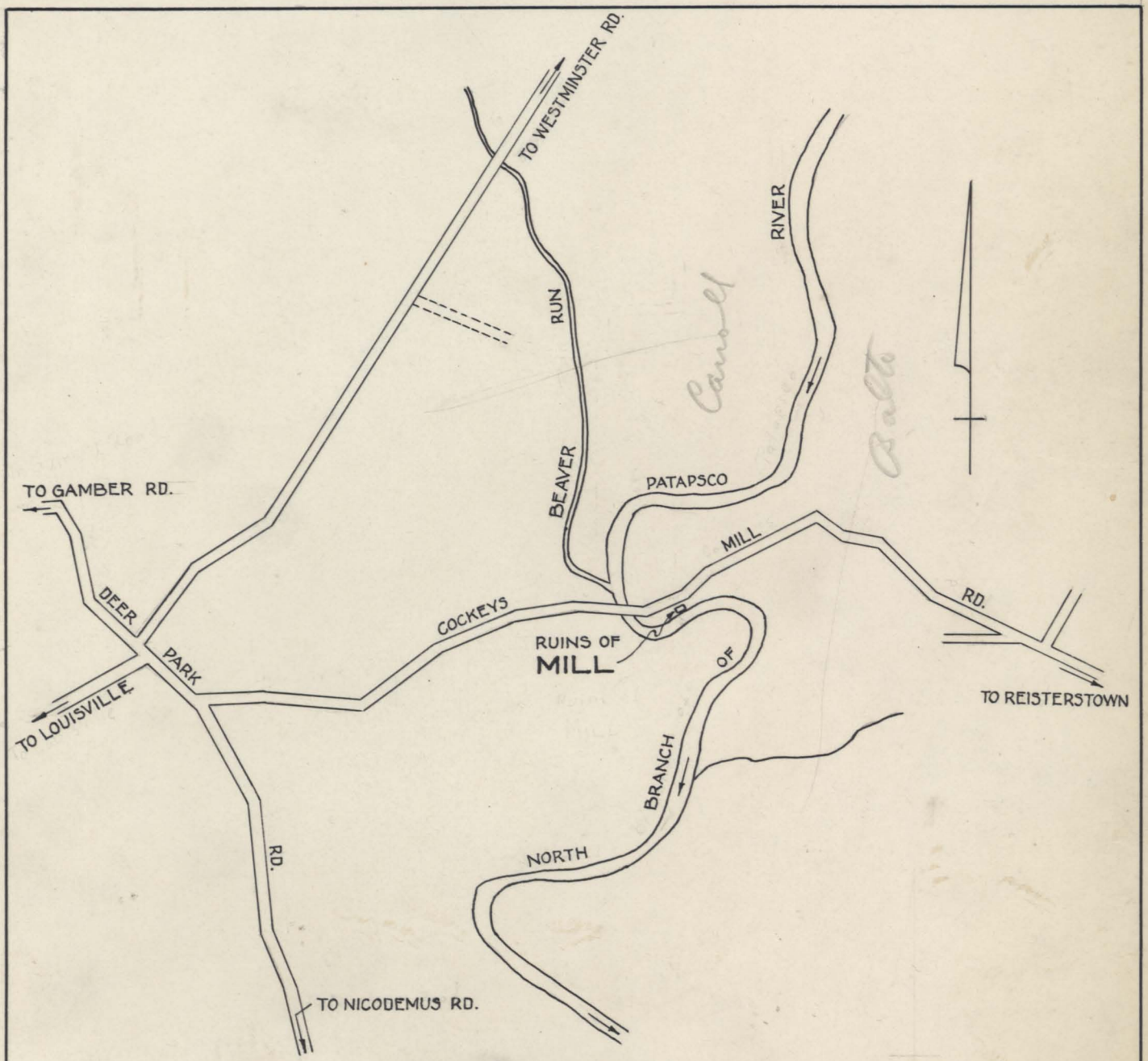
FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE Feb. 14 19 23

MADE IN CONNECTION WITH PATAPSCO PROJECT. WORK



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APPROX. SCALE: 1 IN. = 1000 FT.

REQUEST ITEM-13.
PRIVILEGE ~~NO~~ P-12.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT PLAT SHOWING PROPERTY OF CHARLES F. ECKHARDT. WEST OF REISTERSTOWN, MD.

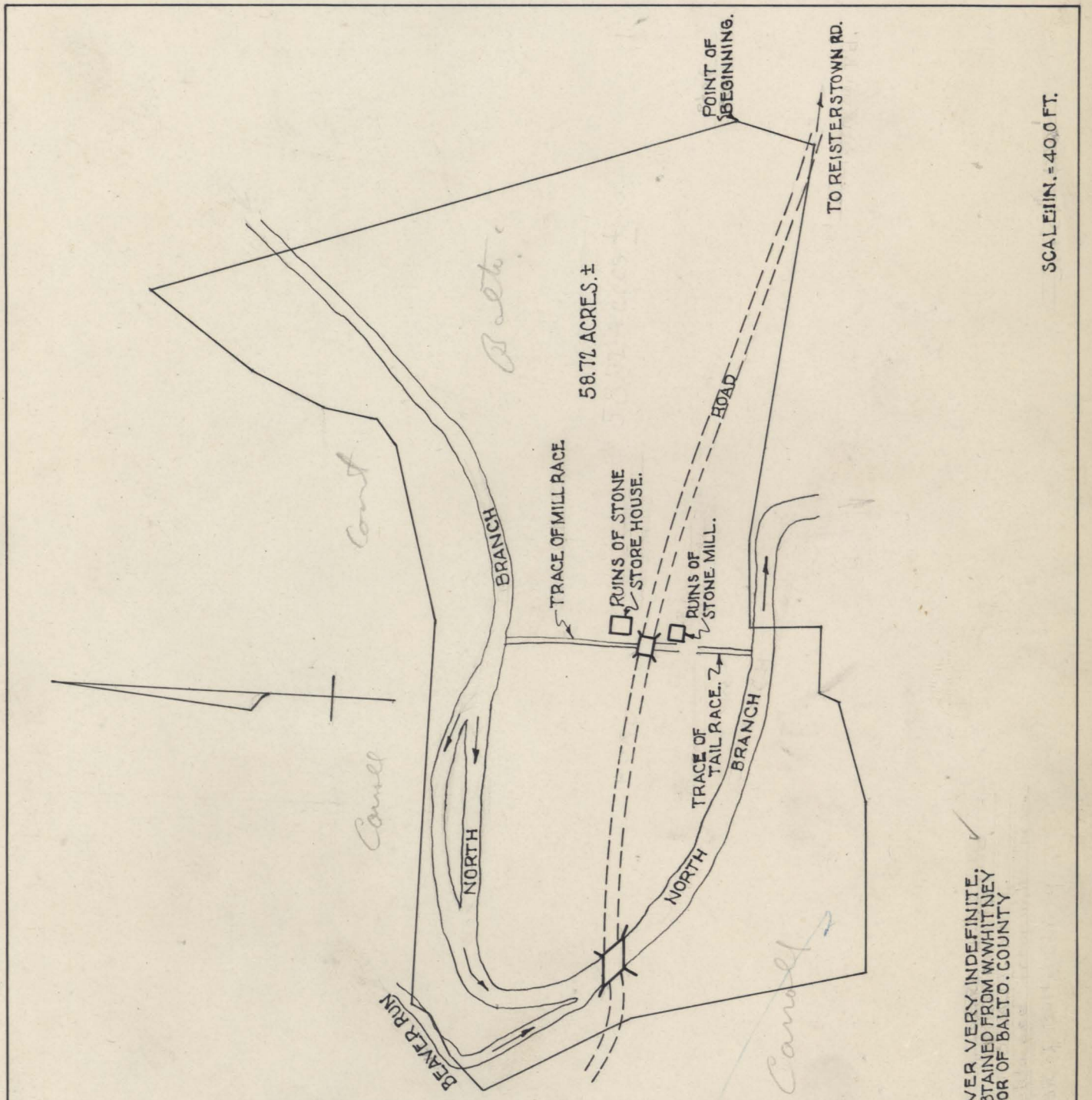
FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE February 1, 1933

MADE IN CONNECTION WITH PATAPSCO PROJECT. WORK



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PRIVILEGE ~~No~~ P-13.

Congoleum-Nairn, Inc.

Asbestos, Md.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT WATER AND WATER POWER RIGHTS FILE NO.
Patapsco Project. ACC. NO.
Privilege No P-13 FROM TO
COMPUTED BY H. S. Shryock CHECKED BY A.F.Di Domenico. DATE 19
MADE IN CONNECTION WITH 145 WORK

Location:.....Asbestos, Md.

Active Privilege

1. CORPORATE NAME OF OWNER OF PRIVILEGE.

Congoleum-Nairn, Inc.

2. LOCATION OF PRIVILEGE.

On the north side of the North Branch of the Patapsco River, about 3/4 of a mile west of Asbestos Station, (Carroll County) on the Western Maryland R.R.

3. BRIEF DESCRIPTON OF PRIVILEGE.

The privilege consists of anumber of well constructed buildings which house the necessary machinery for manufacturing purposes. There is also a modern re-inforced Concrete dam which impounds water for process and fire protection.

4. HISTORICAL DATA ON PRIVILEGE.

(a) Dates of Various Acquisitions.

January 18, 1922.

(b). Changes in Ownership.

Jan. 18, 1922:- A.E. Van Bibber to Maryland Felt and Paper Co.
(The latter company is a wholly owned subsidiary of Congoleum-Nairn, Inc
May 7, 1920:- Baltimore Roofing and Asbestos Manufacturing Co. to Mr. A.E. Van Bibber.

(C.) Information on Sales or Rentals

None.

Request Item 13

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-13. FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

(2).

5. TOTAL AREA OF WATER SHED ABOVE PRIVILEGE.

~~58~~ 57.7 Sq. Miles.

6. AREA OF WATERSHED USED.

Only enough to give adequate water for process

7. AMOUNT OF WATER UNDER PRIVILEGE.

(a) Claimed:-

Enough for Process water and fire protection.

(b) Granted:-

8. AMOUNT OF WATER USED.

(a.) Power.

None.

(b). Process:-

100,000 gallons per day.

9. FALL OR HEAD UNDER THE PRIVILEGE.

(a.) Claimed

Four feet.

(b). Granted.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-13. FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

(3).

10: FALL OR HEAD USED OR DEVELOPED.

Four Feet.

11: DATA ON MILL POND.

(a.) Approximate Area.

1.4 Acres.

(b) Approximate Depth.

(I) Total Available.
Four Feet.

(II) Available.

(c) Approximate Capacity.

(I) Total.
1,125,000 gallons.

II. Available.

12. SUPPLEMENTARY STORAGE RESERVOIRS, IF ANY.

(a.) Available Capacity.
Steel elevated Tank, 75' High, for Fire protection
50,000 gallons Capacity.

Steel elevated tank, 60' High, for Process water.
30,000 gallons Capacity.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-13. FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

④.

13. STREAM FLOW DATA.

(a) Calendar Arrangement.

See Request Item 10 for fuel information

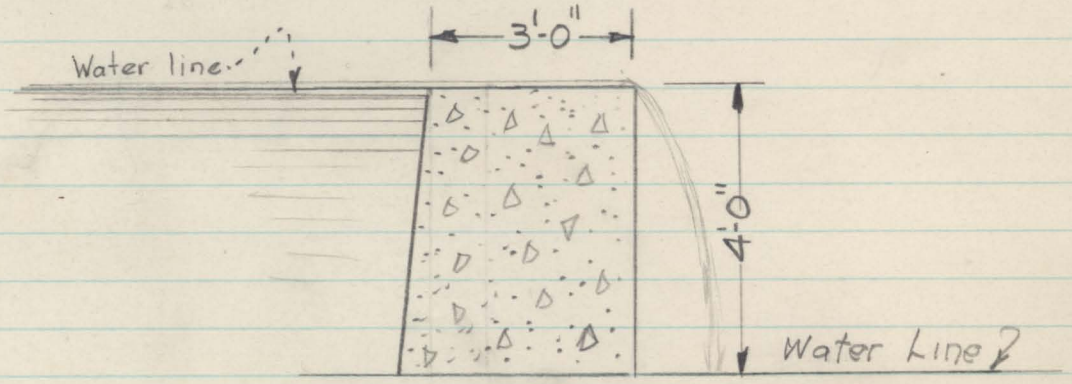
(b) Arranged in Order of dryness.

14. LOCATION OF DAM.

On the North Branch of Patapsco River, 1 mile west of Asbestos Station.

15. DESCRIPTION OF DAM.

A re-inforced Concrete Dam 38 ft. Long - 4 ft. high.



ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-13. FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

(5).

16:- HEAD RACE OR CANAL.

None.

17:- WATER WHEELS INSTALLED.

None.

18:- TAIL RACE.

None.

19:- LOCATION OF PLANT USING PRIVILEGE.

The Mill group is on the north bank of the North Branch, 3/4 of a mile west of Asbestos Station (Carroll County) on the Western Maryland R.R.

20:- HISTORICAL DATA ON PLANT.

(a.) Dates of Original Uses.

(b). Character of Original uses.

(c.) Changes in ownership and present owner or lessee..

See answer to No 4

(d) Information on sales or rentals of Plant.

None.

Request Item 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-13. FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

(6).

21. BRIEF DESCRIPTION OF PLANT

a. Product

Felt for felt base floor Covering.
Felt for asphalt roofing felt.

(b.) Description of Manufacturing process.

Rags going thru beaters and Jordans are made into a pulp, after which they are felted on a paper making machine to make lining for Congoleum. These linings are rolled on reels and shipped to Kearny, N.J. where they are used in making the finished product of Congoleum.

(C.) Industrial buildings: Character, type, number and size.

No 1:- Machine Shop:- 81'×52'×17':- Good Condition:- One Story Concrete:- Steel sash:- Roof, Steel truss, Wood, tar paper covered:- Automatic Sprinklers.

No 2:- Beater Room:- 268'×52'×38':- Good Condition:- two story Concrete:- Steel sash:- Roof, steel truss, tar paper over wood sheating:- Automatic Sprinklers:- first floor Concrete floor:- Second, steel girders, wood joists, wood floor.

No 3:- Felt Machine Room:- 256'×52'×17':- Good Condition:- one Story Concrete:- Steel sash:- Roof, light truss, tar paper on sheating:- Skylights flat:- floor, portion wood, portion concrete:- Automatic Sprinklers.

No 4:- Felt Warehouse:- 128'×52'×17':- Good Condition:- one story concrete:- Steel sash:- wood floor:- light truss roof, tar paper on sheathing:- Automatic sprinklers.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-13 FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

(7).

No5:- Storage:- 104'x52'x17' :- Good Condition:- Automatic Sprinklers:- Same type of Construction as No4. Steel sash.

No6:- Heavy Storage:- 232'x32'x15:- Good Condition:- Automatic Sprinklers:- steel sash:- Same type of Construction as No4 and 5.

No7:- Felt Machine Room:- 256'x36'x25':- Good Condition:- Automatic sprinklers:- Concrete:- Concrete floors:- light truss (steel) roof Construction, tar paper over sheating:- Steel sash.

No8:- Jordan Room:- 40'x36'x25':- Good Condition:- Automatic Sprinklers:- steel sash:- Same type of Construction as No7.

No9:- Boiler House:- 156'x48'x30':- Good Condition:- Concrete:- Sheet metal roof on steel truss:- steel sash.

No10:- Pump House:- 30'x28'x12' :- Fair Condition:- Automatic Sprinklers:- One Story:- Concrete sides and floor:- galvan. iron on steel beams for roof.

No11:- Cutting Building:- 89'x36'x16':- Fair Condition:- Automatic Sprinklers:- paper on wood sides:- roof - tar paper on sheathing.

No12:- Rag Warehouse:- 314'x52'x40'- Automatic Sprinklers:- Sheet metal sides and roof.

No13:- Garage:- 84'x30'x14':- Automatic sprinklers:- Good Condition:- tile sides:- galv. iron roof.

No14:- Office:- 31'x50'x23':- Automatic Sprinklers:- Good Condition:- Two story:- frame-asbestos-shingle Covered sides and roof.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-13. FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

(8).

(d) Manufacturing Equipment.

No 1. Machine Shop.

1- Circular Saw - L.F. Seyferts Son Inc.
1- Band saw.
1- No 1- Miller - Cincinnati Milling Machine Co.
1- Hack Saw.
1- Drill Press.
1- No 308 Pipe Machine - Oster M'f'g Co. Cleveland, O.
1- Emery wheel
1- 20' Lathe - Le Blond Heavy duty.
all above run by 1- G.E. 5 H.P. Motor.
1- Grinding machine.
1- 5 H.P. G.E. Motor 550 Volts.

No 2- Beater Room - First Floor.

20 - Beaters - Downingtown Mfg. Co
20- 100 H.P. G.E. Motors - 550 Volts.
2- Rag Shreaders - Watson, Paterson, N.J.
1- 125 H.P. Motor
1- 150 H.P. Motor.
2- Jordans
2- 150 H.P. Motors
1- Duplex Stock pump - Shartle Bros. - Middletown, Ohio.
1- 15 H.P. Motor.

Second Floor.

2- stock riffling troughs.
2- Savealls.
3- Stock regulating boxes.

No 3- Felt Machine Room - No 1.

1- Moore & White machine Complete.
1- 125 H.P. G.E. Motor.
1- 75 H.P. G.E. Motor.

Request Item 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-13. FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

(9).

1- Moore & White machine complete.
1- 100 H.P. G.E. Motor.
1- 40 H.P. G.E. Motor.
1- Sturdevant Fan (not in use).

No5- Felt Warehouse.
1- Winding Machine.
1- 10 H.P. Motor.

No6- Heavy Storage.
1- Scale.

No7- Felt Machine Room - No2

1- Felt Machine - Downingtown.
1- 125 H.P. Motor.
1- 75 H.P. Motor.
1- 5 Ton Crane - Niles - Hand Operated.

No8. Jordan Room.

3- Jordans
3- 150 H.P. Motors.

No10: Pump House.
1- Centrifugal Pump - Worthington No 724616 Size 8 CLOS. (For process water).

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-13 FILE NO.

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FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

(10).

1- G.E. Motor -100 H.P. - 1745 R.P.M. 550 V.
3- Duplex Pumps - steam.
2- for process water (stand-by).
1- Fire pump - Warren 18"x 10"x12" - 1000 g.p.m -
4-1⅛ nozzles - Speed 70 r.p.m.

№11- Cutter Building.
2- Rag Cutters.
2- 75 H.P. Motors.

№12- Rag Warehouse.
1- Niles Crane - 2½ ton
2- 9.6 H.P. Motors.
1- 25 H.P. Motor.
1- Scales on loading platform.

Old unused concrete filters consists of:-
4- Tanks - 45'x15'x12' deep each (settling basin).
6- Basins - 35'x10'x9' " "

They now run used process water to two areas where it deposits solids and water overflows from top into North Branch. One area about one acre; other 0.5 acre.

1- 5 H.P. Centrifugal pump pumps to settling area.

(e.) Number of employees:-

100 to 150

(f) Area of land incident to plant purposes.

19.1 Acres.

22. WATER POWER DEVELOPMENT.

(None).

here

23. STEAM POWER DEVELOPMENT.

(a.) Give brief description of steam power plant, if any, number and size of boilers, number, type, and size of power units.

Originally electric power was generated by steam turbine. The boilers supplying the steam were oil fired. Now all electric power is furnished by Cons. Gas & Electric Co. Steam used only for heating and for stand by fire pump.

3-Edgemore Boilers - 231 H.P. each (not used).
3- Oil City Boilers - 375 H.P. each (2- used).
1- 2000 K.W. Curtis steam Turbine Generator, made by G.E. Speed 3600 R.P.M. - Nº 11937 - 200lbs. Steam Pressure. (not used.)
1- Switch & Panel Board.
1- Circular Brick Stack - 150' High - good Condition.
2- Fuel Oil Service tanks - 156,000 gals. each. - One steel, the other steel encased in tile. (neither one in use).

(b) Total Power available.

1818 Rated Boiler H.P.

(c.) Average power used.

500 Boiler H.P.

(d.) Duration of use.

24 hours.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-13. FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

(12)

(e). Coal for power purposes.

(I). Kind of Coal used.

Bituminous.

(II) Amount of Coal used in tons per year for last 5 years.

1932 - 6500 Short tons.
1931 - 6300 " "
1930 - 6900 " "
1929 - 11200 " "
1928 -

III. Annual Cost of Coal for last 5 years.

1932 - $24,700
1931 - 26,000
1930 - 28,400
1929 - 46,000.

(f) Operating force.

7 men.

24. PURCHASED POWER.

(a.) From whom Purchased.

Consolidated Gas, Electric Light and Power Co. of Baltimore.

(b). Amount Purchased annually for last five years.

1932 - 7,918,000 K. W. Hrs.
1931 - 9,217,000 " " "
1930 - 9,447,000 " " "
1929 - 14,464,000 " " "
1928 - 12,453,000 " " "

(c)

Request Item 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-13 FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

(13).

(c) Schedule of Power rates.

Schedule "T" Demand $1.65 per K.W.
Energy $.009 / K.W.H. for any part of 1st 200,000 K.W.H.
.008 / " " " " " " Next 300,000 "
.007 / " " " " " " " 500,000 "
.006 / " " " all over 1,000,000 K.W.H.

In a cyclone fence enclosure there are 3-Transformers 1250 K.V.A. each - 66,000 V to 575 Volts.

25. INDUSTRIAL USES OF WATER, OTHER THAN FOR POWER.

(a.) Character of use.

Process
steam

(b) Amount used for steam.

25,000 gallons per day.

(c.) Amount used for process.

100,000 gallons per day.

26. PLAT SHOWING TO APPROXIMATE SCALE.

(a) Location of Privilege, property lines, dam and appurtenant structures.

~~attached.~~ see plat page

(b). Location of Plant and buildings.

~~attached.~~ see plat page

Request Item 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-13. FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

(14)

28:- NAME OF INVESTIGATOR ON EACH SECTION AND DATES WHEN DATA WERE OBTAINED.

H.S. Shryock :- Plant Valuation Engineer
A.F. Di Domenico :- Ass't. Plant Valuation Engineer.

Field notes :- March 1, 1933.

Photographs :- February 3, 1933.

27- Repeat from other Privileges

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-13. FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

29. TAX ASSESSMENT OF PRIVILEGE.

(a) Last two Assessments in as much detail as possible.

1922:- Carroll County

In Name of Maryland Felt & Paper Co.

3 Acres Land @ 200	$ 600.00
16½ " " @ 40	660
Mill board cutting Room	4246
office	1719
Beater Room	40098
Machine Room	17059
Saturating Room	2578
Ply Room	9856
Finishing warehouse No 1	8794
" " No 2	12078
Carpenter shop	432
Bag Room	836
Air Compressor Room	153
Engine Room	5279
Pump Room	411
Boiler Room	6956
Laboratory	170
Additional New Bldgs. (3)	9975
Boiler Room	3000
Rag "	2000
Galvan. Metal Room	12000
Oil tanks	3000
Addition to main B'l'd'g	15000
" " Rag "	8000
New Garage	800
R.R. Siding	1100
Steel Tower for Electric Current	4000

Total Assessment for 1922 ..... $170,800.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-13. FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

Total Assessment for 1922	$170,800
Abatement 1923	20,640
Total Assessment for 1923	$150,160
Increase 1927	15,000
Total Assessment for 1927	$165,160

(b). The Practice of Tax Assessor in determining assessments. (percentage of Actual Valuation).

Carroll County
60% of Actual Value.

(c.) Sources of Information.

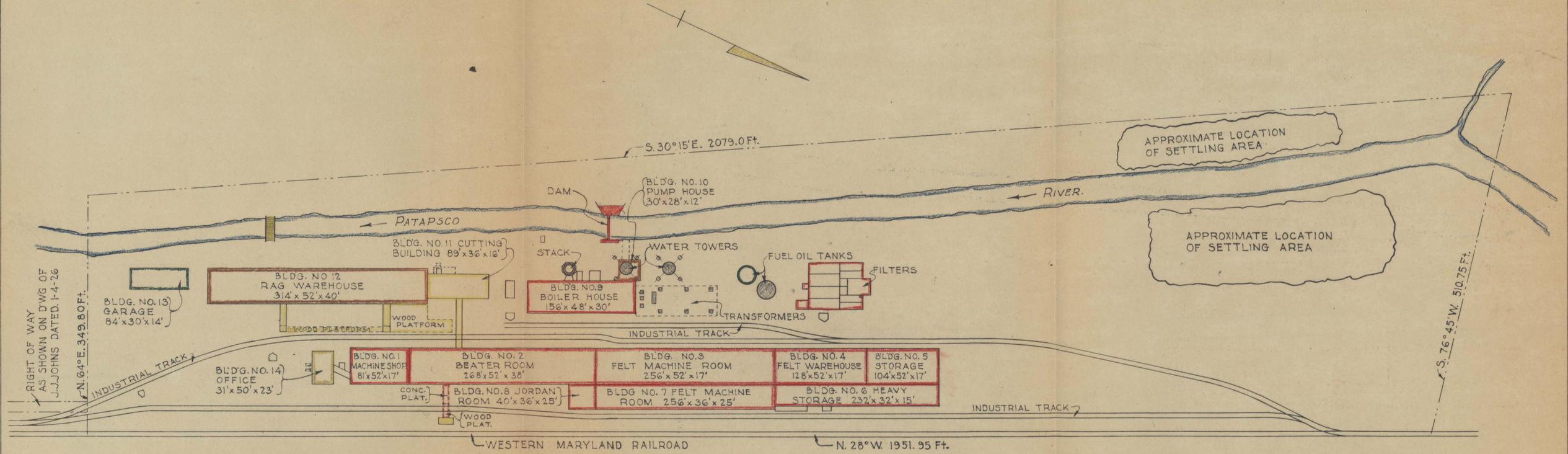
Carroll County
Court House, Westminster, Md.
1922 - Liber District 4 · Woolery
1927 - Liber District 4 · Woolery.

(d) Dates of obtaining data.

Carroll County :- February 21, 1933.

(e) Information from State Tax Commission as to Capital or stock issue of Corporation.

Stock issued $900,000.



CONCRETE
GALVANIZED IRON
FRAME
TILE

ASBESTOS, MARYLAND PLANT
GENERAL PLANT MAP
CONGOLEUM-NAIRN INC.

SCALE: 1 IN. = 100 FT. DATE: MARCH, 8, 1933.

COPY OF ORIGINAL

Request Item No 13.
Privilege No P-13.

Congoleum- Nairn, Inc.
Asbestos, Md.

P-13.

Congoleum- Nairn, Inc.- Asbestos - Portion of Plant. Feb. 3, 1933.

154

P-13.

Congoleum-Nairn, Inc. Asbestos, Md- Portion of Plant Feb. 3, 1933.

Omit This Picture

Request Item No 13.
Privilege No P-13.

Congoleum - Nairn, Inc.
Asbestos, Md.

P-13.

Congoleum-Nairn, Inc. - Asbestos, Md. Portion of Plant & Dam. Feb. 3, 1933.

155

PRIVILEGE ~~No~~ P-14

Comet Roller Mills - Charles M. Kay, Owner.

On Beaver Run.

Request Item No. 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT WATER AND WATER POWER RIGHTS FILE NO.
Patapsco Project ACC. NO.
Privilege No. P-14 FROM TO
COMPUTED BY H.S.Shryock CHECKED BY A.F.DiDomenico DATE 19
MADE IN CONNECTION WITH 156 WORK

LOCATION - NEAR FINKSBURG, CARROLL CO.

Active Privilege

1- CORPORATE NAME OF OWNER OF PRIVILEGE

Comet Roller Mills
Charles M. Kay, Owner

2- LOCATION OF PRIVILEGE

On Beaver Run approximately one-half mile north of Gamber Road. It is at elevation 458

3- BRIEF DESCRIPTION OF PRIVILEGE

The privilege consists of a dam, mill race, grist mill and tail race.

4- HISTORICAL DATA ON PRIVILEGE.

(a)- Dates of various acquisitions

1910

(b)- Changes in ownership.

February 4, 1870- Jos. Hahn from Elizabeth G. Stocksdale
May 26, 1906- Fenby L. Hering from Joseph Hahn
1910- Charles M. Kay from Fenby L. Hering.

(c)- Information on sales or rentals

None

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-14 FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

5-TOTAL AREA OF WATERSHED ABOVE PRIVILEGE

12.6 Sq. Miles.

6- AREA OF WATERSHED USED

Depends upon demand + Stream flow

7- AMOUNT OF WATER UNDER PRIVILEGE.

(a) Claimed

Enough for mill purposes.

(b) Granted

8- AMOUNT OF WATER USED

(a) Power

Cannot figure

(b) Process

None

9- FALL OR HEAD UNDER THE PRIVILEGE.

(a)- Claimed

Full development of stream.

(b)- Granted

19.5 Feet

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-14 FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

10 - FALL OR HEAD USED OR DEVELOPED.

18.5 Feet

18.5 Feet.

11 - DATA ON MILL POND

(a) - Approximate Area

0.25 Acres.

(b) - Approximate Depth

I - Total Available

1.8 feet.

II - Available

1.5 feet

(c) - Approximate capacity

I - Total

150,000 gallons.

II - Available

12 - SUPPLEMENTARY STORAGE RESERVOIRS, IF ANY

(a) - Available capacity

None

None

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-14 FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

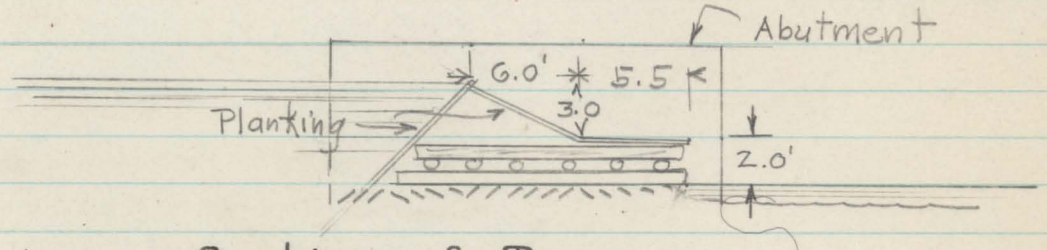
13- Stream flow data - Repeat from other privileges

14 - LOCATION OF DAM.

On Beaver Run about 300 feet North-west of bridge on road connecting Gamber Road and Westminster Road.

15 - DESCRIPTION OF DAM

The dam is 55' long and is composed of log cribbing covered with planking. It has stone masonry abutments: 5.0' high



Section of Dam

16 - HEAD RACE OR CANAL

(a) - Length

390 feet

(b) - Cross-section

Very irregular, but will average 9' x 1.5'

(c) - Slope

Cannot obtain

Cannot obtain.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-14 FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

(d) - Discharge capacity.

Cannot figure.

(e) - Character of construction

Ditch cut through field.

17 - WATER WHEELS INSTALLED

(a) - Number

Two

(b) - Type

Turbines

(c) - Name of makers

Burnham, Hanover, Pa.

(d) - Dimensions -

1 - 15" 1 - 18"

(e) - Rated capacity of each.

15" - 15 H.P

18" - 22 H.P.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-14 FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

18 - TAIL RACE

(a) - Length

530 feet

(b) - Cross-section

Very irregular - about six feet wide

(c) - Slope

Cannot obtain

(d) - Discharge capacity -

Cannot figure

(e) - Character of construction.

A trench cut through field.

19 - LOCATION OF PLANT USING PRIVILEGE

On West bank of Beaver Run about one-half mile west of Westminster Road.

20 - HISTORICAL DATA ON PLANT

(a) - Dates of original uses.

Original mill built in 1813.

7J

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-14 FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

(b) - Character of original uses.

Grist mill

(c) - Changes in ownership and present owner or lessee.

Charles M. Kay, present owner.

(d) - Information on sales or rentals of plant

None.

21 - BRIEF DESCRIPTION OF PLANT.

(a) - Product

Flour, Corn meal, buck wheat etc.

(b) - Description of manufacturing process.

Meal and flour are ground and bolted according to usual grist mill practices.

(c) - Industrial buildings: character, type, number and size.

1 - Mill - 3 stories and basement 40' x 30' : basement - masonry: superstructure - frame :
1 - Frame shed - 13' x 45' - 1 story - poor condition.

8

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-14 FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

1 - Frame residence on property: good condition.

(d) - Manufacturing equipment.

In mill:

2 - Burrs : one 48" : one 54"

3½ - Stands for flour "Case Co."

3 Double = 1 Stand each

1 Single = ½ Stand

1 - Flour packer

1 - Scales

3 - Bolting machines - (7 bolters in all machines)

1 - Wheat Cleaner } "Eureka" - S. Howes & Co.

1 - Wheat Scourer } Silver Creek, N.Y.

All above belt driven.

(e) - Number of employees

Two

(f) - Area of land incident to plant purposes.

37.75 acres in entire plot.

9J

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-14 FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

22 - WATER POWER DEVELOPMENT

(a) - Give brief description of use of water for power with average hours of use per day, opening of gates, etc. for the last five years, number, type and size of power units.

2 - Turbines one 15" : one 18"
Burnham, Hanover, Pa.

The mill is used seasonally as required.

(b) - Total power available

37 H.P.

(c) - Average power used

Depends on demand

(d) - Duration of use.

Depends on demand.

23 - STEAM POWER DEVELOPMENT

None

However in the basement there is

1 - White & Middleton Gas Engine Co.
Balto, Md.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-14 FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

which is used for stand-by power.

24- PURCHASED POWER.

None

25- INDUSTRIAL USES OF WATER, OTHER THAN FOR POWER

None

26- PLAT SHOWING TO APPROXIMATE SCALE—

(a)- Location of privilege, property lines, dam and appurtenant structures

Attached

(b)- Location of plant and buildings

Attached

27- Repeat from other privileges

~~27~~- NAME OF INVESTIGATOR ON EACH SECTION AND DATES WHEN DATA WERE OBTAINED

28

H. S. Shryock, Plant Valuation Engineer
A. F. DiDomenico, Assistant Plant Valuation Engineer.

Field Notes - January 20 and 24, 1933
Photographs - January 24 and 30, 1933.

SUBJECT P-14 FILE NO.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

29. TAX ASSESSMENT OF PRIVILEGE.

(a) Last two assessments in as much detail as possible.

1927: Carroll County.

In Name of Charles M. Kay.

37 Acres.

10 Acres @ $35.00	$350.00	
27 " @ 25.00	675.00	
Dwelling	1,600.00	
Barn	150.00	
Other Building	100.00	
Mill	1500.00	$4375.00

Total for 1927 $4375.00.

1922: Carroll County

In Name of Charles M. Kay.

37 Acres.

10 Acres Tillable @ $23.00	$230.00	
27 " Wooded @ 23.00	621.00	
Dwelling	1,600.00	
Barn	150.00	
Other Buildings	50.00	
Mill	1,500.00	$ 4151.00

Total for 1922 $4151.00.

(b). The practice of Tax Assessor in determining assessments. (Percentage of Actual Valuation.

Carroll County
60% of Actual Value.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-14 FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

(c.) Sources of Information.

Carroll County.
Court House Westminster, Md.
1927:- Liber District No4. Woolerys.
1922:- Liber District No4. Woolerys.

(d) Dates of Obtaining data.

Carroll County:- February 21 & 23, 1933.

Request Item No 13.
Privilege No P-14.

COMET ROLLER MILLS.
Charles M. Kay, Owner.
On Beaver Run.

P-14

Dam for Comet Roller Mills - on Beaver Run. Jan. 24, 1933.

162

Comet Roller Mills on Beaver Run Jan. 30, 1933.

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REQUEST ITEM 13
PRIVILEGE NO. P-14

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT PLAT SHOWING PROPERTY OF CHARLES M. KAY ON BEAVER RUN.

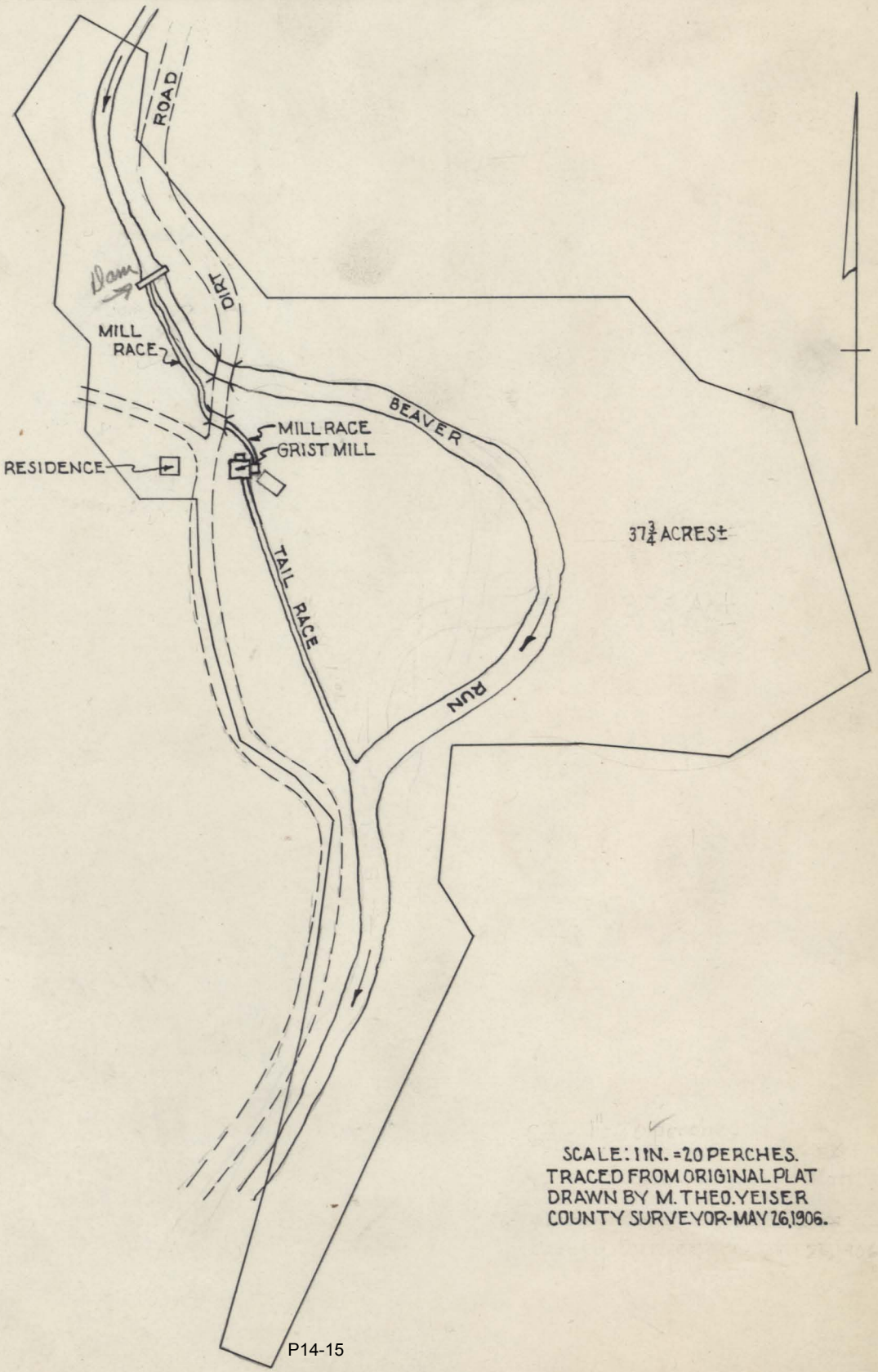
FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE January 28, 1933

MADE IN CONNECTION WITH PATAPSCO PROJECT. WORK



REQUEST ITEM 13
PRIVILEGE NO. P-14

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT PLAT SHOWING LOCATION OF COMET ROLLER MILLS CHARLES M. KAY OWNER.

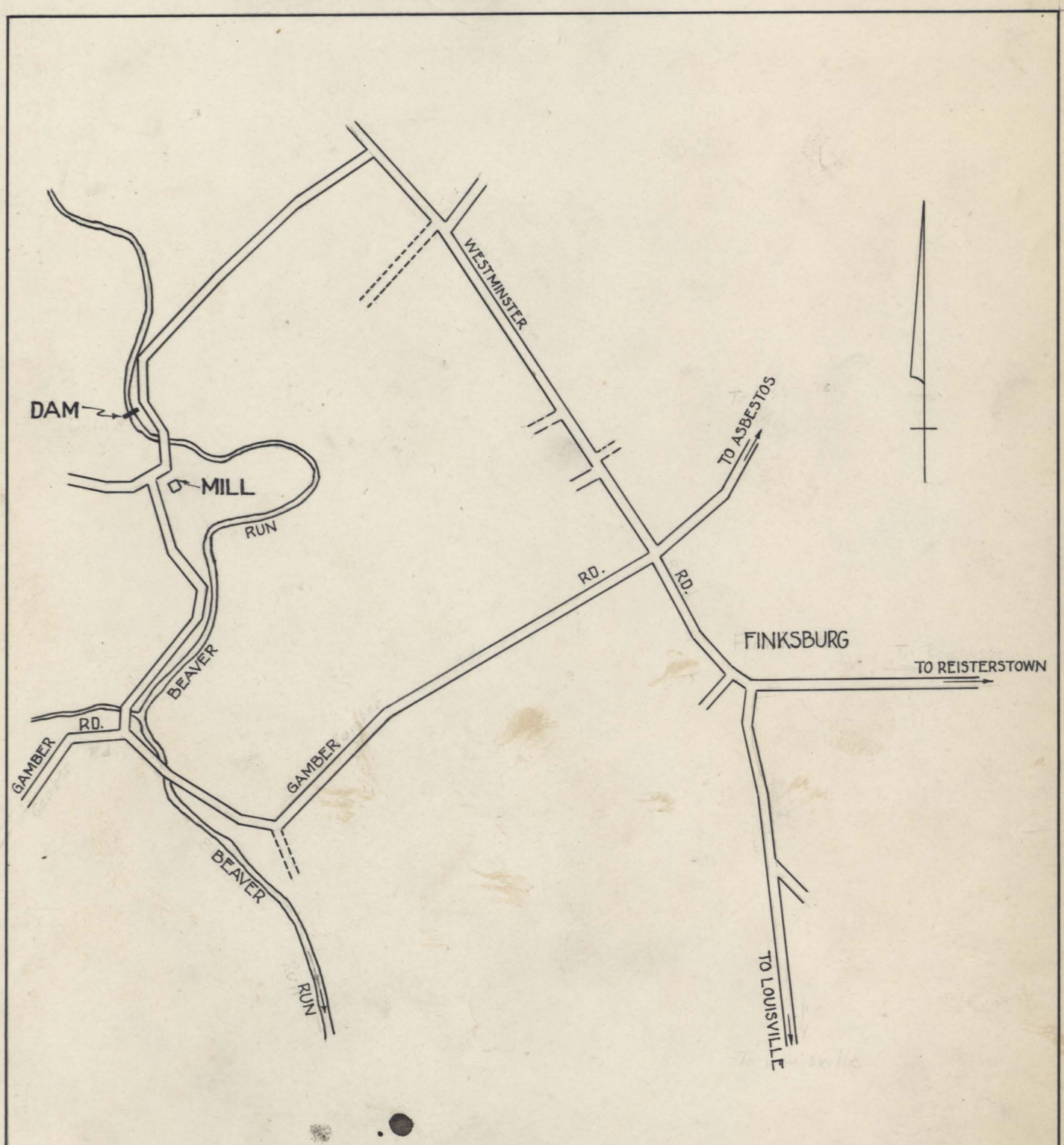
FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE Feb 21 1933

MADE IN CONNECTION WITH PATAPSCO PROJECT. WORK



APPROX. SCALE: 1-IN. = 1000-FT.

REQUEST ITEM 13
PRIVILEGE NO. P-14

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT SKETCH SHOWING LOCATION OF COMET ROLLER MILLS-CHAS. M. KAY-OWNER BEAVER RUN.

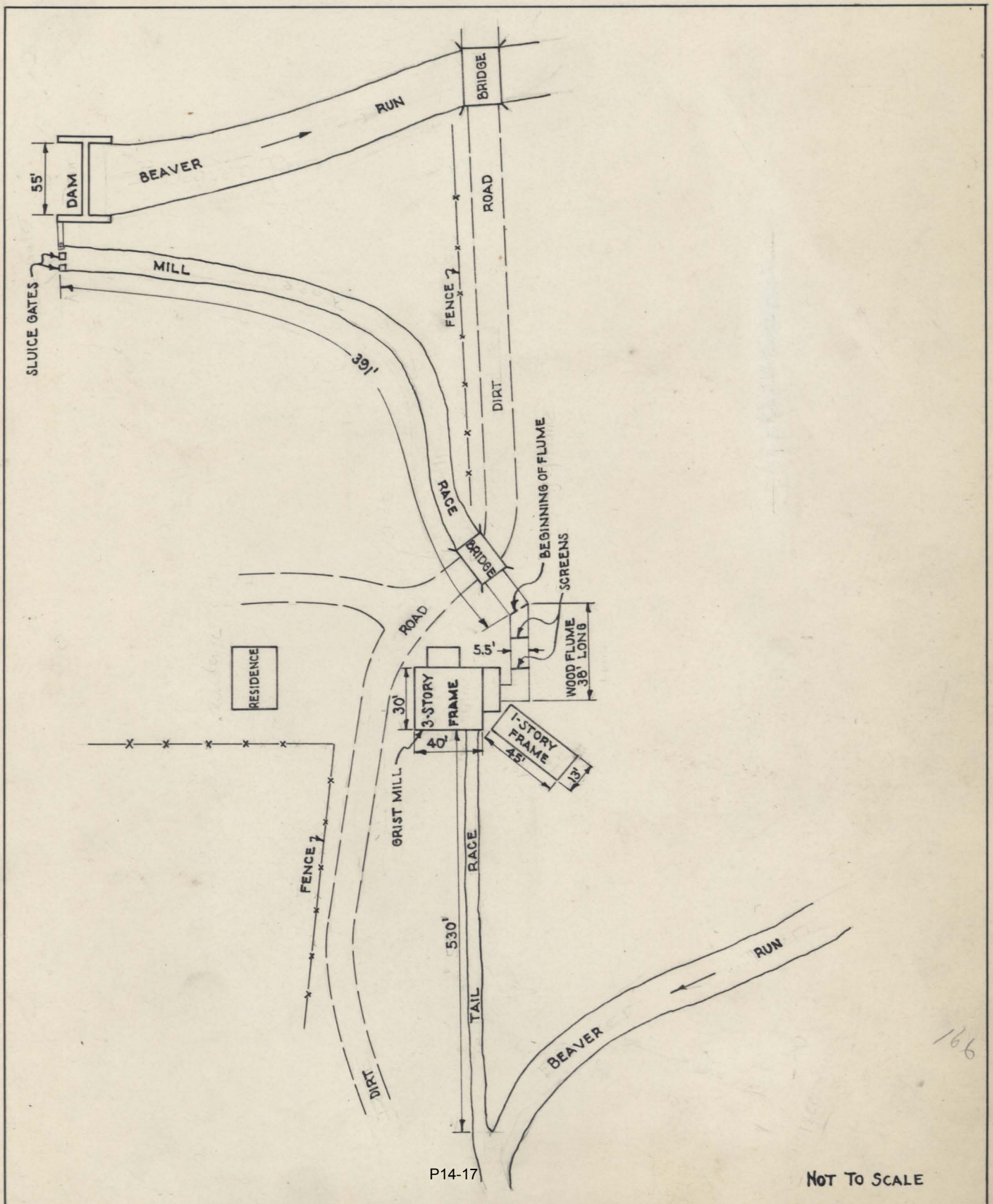
FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE January 27, 1933

MADE IN CONNECTION WITH PATAPSCO PROJECT. WORK



NOT TO SCALE

166

PRIVILEGE ~~No~~ P-15

LeRoy ~~WILLIAM~~ CLUBB.

Originally - Gore's Mill.

Request Item No. 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT WATER AND WATER POWER RIGHTS — FILE NO.

Patapsco Project — ACC. NO.

Privilege No. P-15 — FROM — TO

COMPUTED BY H.S. Shryock — CHECKED BY A.F. DiDomenico — DATE — 19

MADE IN CONNECTION WITH 167 — WORK

As this privilege is above elevation 450 the information was not collected in such detail as the previous ones

LOCATION - NEAR REISTERSTOWN

Inactive Privilege

1 - CORPORATE NAME OF OWNER OF PRIVILEGE

LeRoy E. Chubb

2 - LOCATION OF PRIVILEGE

On Keysers Branch about two and one-half miles west of Reisterstown

3 - BRIEF DESCRIPTION OF PRIVILEGE

A stone mill building in bad repair; section of dam (timber) and traces of race.

Whole project is above elevation 500.

4 - HISTORICAL DATA ON PRIVILEGE

(a) Dates of various acquisitions

1931

(b) Changes in ownership

1867 - Charlotte Gore to Jos. Gore
1904 - Jos. Gore to A. McCurdy
1904 - McCurdy to Frank Zentz
1931 - Frank Zentz to L.E. Clubb

Dates are approximate

(c) Information on sales or rentals

None

2

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-15 FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

5-14 - Not applicable

15 - DESCRIPTION OF DAM.

Only traces of a timber dam remain.

16-19 - Not applicable

20 - HISTORICAL DATA ON PLANT.

(a) - Dates of original uses

Original mill built in 1855 by Wm. Original mill built in 1855 by Wm. Gore

(b) - Character of original uses

21-26 - Not applicable

Grist mill: has not been run for 10 years.

27 - Repeat from other privileges

28 - NAME OF INVESTIGATOR ON EACH SECTION AND DATES WHEN DATA WERE OBTAINED

H.S. Shryock, Plant Valuation Engineer
A.F. DiDomenico, Assistant Plant Valuation Engineer

Field Notes - January 30, 1933.
Photograph - January 30, 1933.

21-26 - Not applicable

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-15 FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

29. TAX ASSESSMENT OF PRIVILEGE.

(a.) Last two assessments in as much detail as possible.

1927:- Baltimore County.
In Name of Elizabeth V. Zentz. In 1931 Transferred to Le Roy E. Clubb.
7 Acres on rough drive ½ Mile North of Benson Mill Road..... $210.00.
House..... 600.00
Mill..... 400.00

Total for 1927..... $1210.00

1922:- Baltimore County.
In Name of Elizabeth V. Zentz and Husband.
7 Acres on Benson Mill Rd. 3 Miles West of Reisterstown Rd..... $210.00
House..... 650.00
Mill..... 600.00

Total for 1922..... $1460.00.

(b.) The Practice of Tax Assessor in determining assessments. (Percentage of Actual Valuation).

Baltimore County.
65% of Actual Value.

Request Item No 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-15 FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

(c.) Sources of Information.

Baltimore County.
Court House, Towson, Md.
1927 :- Liber 4: Folio 150
1922 :- Liber 4: Folio 652.

(d.) Dates of Obtaining data.

Baltimore County:- February 15, 1933
" " February 16, 1933.

Request Item No 13.
Privilege No. 15.

WILLIAM CLUBB.

Originally- Gore's Mill.

West of Reisterstown, Md.

P-15

Wm Clubb - Gore's Mill

Jan. 30, 1933.

169

PRIVILEGE No P-16.

J.A. EDMONDSON.

Originally- Klee Mill.

Request Item No. 13

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT WATER AND WATER POWER RIGHTS FILE NO.

Patapsco Project ACC. NO.

Privilege No. P-16 FROM TO

COMPUTED BY H.S. Shryock CHECKED BY A.F. DiDomenico DATE 19

MADE IN CONNECTION WITH 120 WORK

LOCATION - NEAR GAMBER

Active Privilege

1- CORPORATE NAME OF OWNER OF PRIVILEGE

Klee Mill - J.A. Edmondson, owner.

2- LOCATION OF PRIVILEGE

On Morgan Run on road to Gist about two miles from Gamber.
Privilege at elevation 470.

3- BRIEF DESCRIPTION OF PRIVILEGE

A large frame mill: mill race etc.

4- HISTORICAL DATA ON PRIVILEGE

(a)- Dates of various acquisitions

1922

(b) Changes in ownership

J. A. Edmondson to Klee Milling Co.
Klee Milling Co. to J.A. Edmonds on

17- WATER WHEELS INSTALLED

(a) Number etc

Turbines --- 11.5 head.

2

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-16 FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

20- HISTORICAL DATA ON PLANT

(a)- Dates of original uses

Present mill built in 1895.

(b)- Character of original uses

Grist mill

21- BRIEF DESCRIPTION OF PLANT

(a) - Product

Buckwheat, Corn meal

28- NAME OF INVESTIGATOR ON EACH SECTION AND DATES WHEN DATA WERE OBTAINED

H.S. Shryock, Plant Valuation Engineer
A.F. DiDomenico, Ass't. Plant Valuation Engineer

Field Notes - January 20, 1933
Photographs - January 24, 1933

The above project would be above the flooded area.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-16. FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

29. TAX ASSESSMENT OF PRIVILEGE.

(a.) Last two Assessments in as much detail as possible.

1927:- Carroll County

In Name of Jacob A. Edmondson.

21 Acres @ $10.00	$210.00	
Dwelling	800.00	
Mill	1500.00	
other buildings	100.00	$2610.00

Total for 1927 ..... $2610.00.

1922:- Carroll County.

In Name of Jacob A. Edmondson.

21 Acres @ $10.00	$210.00	
Dwelling	650.00	
Mill	1500.00	$2360.00

Total for 1922 ..... $2360.00.

(b) The practice of Tax Assessor in determining assessments. (Percentage of Actual Valuation.)

Carroll County
60% of Actual Value.

(c.) Sources of Information.

Court House Westminster, Md.
1927:- Liber District No 4. Woolerys.
1922:- Liber District No 4. Woolerys.

Request Item No 13

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-16. FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

(d) Dates of Obtaining data.

Carroll County: February 21, 1933.
February 23, 1933.

Request Item No 13.
Privilege No P-16.

J. A. EDMONDSON.
Originally - Klee Mill

P-16.

KLEE MILL - J.A. Edmondson Owner. Jan. 24, 1933.

172

PRIVILEGE ~~No~~ P-17.

J. MARTIN.

Originally Walnut Grove Mill.

Request Item No. 13

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT WATER AND WATER POWER RIGHTS FILE NO.
Patapsco Project ACC. NO.
Privilege No. P-17 FROM TO
COMPUTED BY H. S. Shryock CHECKED BY A. F. DiDomenico. DATE 19
MADE IN CONNECTION WITH 183- WORK

As this privilege is above elevation 450 the information was not collected in great detail

LOCATION .... NEAR SANDYVILLE, CARROLL CO.
Inactive privilege

1- CORPORATE NAME OF OWNER OF PRIVILEGE

Walnut Grove Mill .... J. Martin, owner

2- LOCATION OF PRIVILEGE

On Beaver Run about one mile south of Sandyville, Westminster Turnpike.
Privilege at elevation 565

3- BRIEF DESCRIPTION

3- BRIEF DESCRIPTION OF PRIVILEGE

An abandoned mill, no machinery, race nearly filled up.
Mill has not been used for twelve years, when it was a grist mill.

4- HISTORICAL DATA ON PRIVILEGE.
(a)- Dates of various acquisitions

1921

(b)- Changes in ownership

1- Green to Hannon - No date
2- Hannon to Saylor " "
3- Saylor to J. Martin 1921

2

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-17 FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

28 - NAME OF INVESTIGATOR ON EACH SECTION AND DATES WHEN DATA WERE OBTAINED

H.S. Shryock, Plant Valuation Engineer
A.F. DiDomenico, Assistant Plant Valuation Engineer.

Field Notes – January 20, 1933
Photograph – January 24, 1933

The above property is outside the proposed flooded area (elevation 420).

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-17. FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

29. TAX ASSESSMENT OF PRIVILEGE.

(a.) Last two Assessment in as much detail as possible.

1927:- Carroll County.

In Name of John H. Martin.

50 Acres Land @ $30.00	$1500.00	
Dwelling	800.00	
Other buildings	200.00	
Mill & Machinery	500.00	
Barn	500.00	$3500.00

Total for 1927 $3500.00

1922:- Carroll County.

In Name of John H. Martin.

50 Acres Land @ $30.00	$1500.00	
Dwelling	800.00	
Barn	500.00	
Other Bldgs	200.00	
Mill and Machinery	500.00	$3500.00

Total for 1922 $3500.00.

(b) The practice of Tax Assessor in determining assessments. (Percentage of Actual Valuation).

Carroll County.
60% of Actual Value.

Request Item No 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-17. FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

(c.) Sources of Information.

Carroll County.
Court House, Westminster Md.
1927 - Liber District 4 - Woolerys.
1922 - Liber District 4 - Woolerys.

(d.) Dates of Obtaining data:

Carroll County - February 21, 1933
February 23, 1933.

Request Item No 13.
Privilege No P-17.

J. MARTIN.
Originally - Walnut Grove Mill.

P-17.

J. Martin - Walnut Grove Mill Jan. 24, 1933.

175

PRIVILEGE ~~No~~ P-18.

J. C. LEE.

Originally- Richard's Mill.

P-18

Request Item No. 13

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT WATER AND WATER POWER RIGHTS FILE NO.
Patapsco Project ACC. NO.
Privilege No. P-18 FROM TO
COMPUTED BY CHECKED BY DATE 19
MADE IN CONNECTION WITH 126 WORK

Inactive

LOCATION ····· NEAR UPPERCO P.O., BALTIMORE COUNTY

1 - CORPORATE NAME OF OWNER OF PRIVILEGE

MEADOW VIEW MILL also called
RICHARD'S MILL ···· J. C. Lee, owner.

2 - LOCATION OF PRIVILEGE

In Carroll County, on Deep Run about one and one-half miles west of Upperco P.O. Privilege at elevation 580

3 - BRIEF DESCRIPTION OF PRIVILEGE

An old frame mill, traces of mill race and a broken dam. The wheel - (overshot) - and burrs are still there.

4 - HISTORICAL DATA ON PRIVILEGE

(a) - Dates of various acquisitions

1912

(b) - Changes in ownership.
Richards to Shaner
Shaner to Spar
Spar to Herring
Herring to C. H. Vancleaf
On mortgage foreclosure.
David Stoner to J. C. Lee - 1912

2

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-18 FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

20 - HISTORICAL DATA ON PLANT

(a) - Dates of original uses

1860

(b) - Character of original uses

Grist Mill -- closed down about five years ago.

28 - NAME OF INVESTIGATOR ON EACH SECTION AND DATES WHEN DATA WERE OBTAINED

H.S.Shryock, Plant Valuation Engineer
A.F.Di Domenico, Assistant Plant Valuation Engineer

Field Notes - January 31, 1933
Photograph - January 31, 1933

This property is above the flooded area of proposed dam (elevation 420)

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-18 FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

29. TAX ASSESSMENT OF PRIVILEGE.

(a.) Last two Assessments in as much detail as possible.

1927: Carroll County
In Name of J. C. Lee.

1 Acre Tillable land	$ 30.00	
16 Acres Marsh " @ $20.00	320.00	
Mill and Dwelling	400.00	$ 750.00

Total Assessment for 1927 ..... $ 750.00

1922: Carroll County.
In Name of J. C. Lee.

1 Acre tillable land	$ 30.00	
16 Acres Marsh land @ $20.00	320.00	
Mill and Dwelling	1000.00	$ 1350.00

Total Assessment for 1922 ..... $ 1350.00

(b) The practice of Tax Assessor in determining assessments (Percentage of Actual Valuation).

Carroll County
60% of Actual Value.

Request Item No. 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-18. FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

(c.) Sources of Information

Carroll County.
Court House, Westminster, Md.
1927 :- Liber District 8, Hampstead.
1922 :- Liber District 8, Hampstead.

(d.) Dates of Obtaining data.

Carroll County :- February 21, 1933
February 23, 1933.

Request Item No 13.
Privilege No P-18.

J. C. LEE.

Originally- Richards Mill.

P-18.

J.C. Lee - Richard's Mill Jan. 31, 1933.

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PRIVILEGE ~~No~~ P-19

Abner Devilbiss.

Carrollton Milling Company
Carrollton, Md.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT WATER AND WATER POWER RIGHTS — FILE NO.
Patapsco Project — ACC. NO.
Privilege No. P-19 — FROM — TO
COMPUTED BY H.S.Shryock — CHECKED BY A.F.DiDomenico — DATE — 19
MADE IN CONNECTION WITH 179 — WORK

As this privilege is above elev 430 the information was not collected in great detail

LOCATION····· CARROLLTON, CARROLL CO.

Inactive Privilege

1- CORPORATE NAME OF OWNER OF PRIVILEGE.

Carrollton Milling Co.·· Abner Devilbiss, owner

2- LOCATION OF PRIVILEGE

On West Branch of North Branch · Patapsco River
Privilege at elevation 570.

3- BRIEF DESCRIPTION OF PRIVILEGE

A large frame mill, mill race and ruins of a dam
This mill has not been used for several years, but they are now rebuilding the dam and repairing penstock and mill race.

4- HISTORICAL DATA ON PRIVILEGE

(a) - Dates of various acquisitions.

1932

(b) - Changes in ownership

1914 - Andrew Drechsler to W.H. Long
1918 - W.H. Long to Wilson L. Kraus
1927 - Wilson L. Kraus to Marion Green
1932 - Marion Green to A. Devilbiss

(c) - Information on sales or rentals

None.

2

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-19 FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

5-19- Not applicable

20- HISTORICAL DATA ON PLANT

(a)- Dates of original uses

Mill is over one hundred years old.

(b)- Character of original uses

Grist Mill

21-27- Not applicable

28- NAME OF INVESTIGATOR ON EACH SECTION AND DATES WHEN DATA WERE OBTAINED.

H.S. Shryock, Plant Valuation Engineer
A.F. DiDomenico, Assistant Plant Valuation Engineer.

Field Notes:- January 24, 1933.
Photographs:- January 24, 1933.

The above property is above the proposed flooded area (elevation 420).

Request Item 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-19. FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

29. TAX ASSESSMENT OF PRIVILEGE.

(a.) Last two Assessments in as much detail as possible.

1927:- Carroll Co.
In Name of Union Bridge Banking & Trust Co,
Union Bridge, Md.

23 Acres @ $20.00	$460.00
Dwelling	800.00
Mill	1200.00

Total Assessment for 1927 ..... $2460.00

1922:- Carroll Co.
In Name of Wilson L. Crouse.

23 Acres @ $20.00	$460.00
Dwelling	600.00
Mill	2000.00

Total Assessment for 1922 ..... $3060.00

(b). The practice of Tax Assessor in determining assessments (Percentage of Actual Valuation).

Carroll County
60% of Actual Value.

Request Item 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-19. FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

(c.) Sources of Information.

Carroll County.
Court House, Westminster, Md.
1927 - Liber District No 8 - Hampstead.
1922 - Liber District No 8 - Hampstead.

(d.) Dates of Obtaining data.

Carroll County - February 21, 1933.
February 23, 1933.

Request Item No 13.
Privilege No P-19.

CARROLLTON MILLING CO.

Carrollton, Md.

P-19.

Carrollton Milling Co. - Carrollton Md. Jan. 24, 1933.

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PRIVILEGE ~~NO~~ P-20

CONSOLIDATED PUBLIC UTILITIES.

WESTMINSTER, MD.

Request Item No. 13

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT WATER AND WATER POWER RIGHTS FILE NO.

Patapsco Project ACC. NO.

Privilege No. P-20 FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH 182 WORK

As this privilege is above elev. 450 the information was not collected in much detail

LOCATION CRANBERRY STATION

Active Privilege

1- CORPORATE NAME OF OWNER OF PRIVILEGE

Consolidated Public Utilities

2- LOCATION OF PRIVILEGE

On Cranberry Branch near its junction with West Branch : near Westminster, Md.

3- BRIEF DESCRIPTION OF PRIVILEGE

A low dam, filter and pumping station. Water is stored here and pumped to supply the town of Westminster.
A large concrete dam has been started here, but no work has been done on it for over a year. Privilege at elevation 640

4-27- Not applicable

28- NAME OF INVESTIGATOR ON EACH SECTION AND DATES WHEN DATA WERE OBTAINED

H.S. Shryock - Plant Valuation Engineer
A.F. Di Domenico - Assistant Plant Valuation Engineer

Field Notes - January 27, 1933

This property is above the flooded area of the proposed dam (elevation 420)

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-20 FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

29. TAX ASSESSMENT OF PRIVILEGE.

(a.) Last two Assessments in as much detail as possible.

1927:- Carroll County.

In Name of Consolidated Public Utilities.

Improvements on 11 acre lot	$ 550.00
House	1200.00
Barn and adj. Shed	1400.00
Mill Building	500.00
Machine Shop	500.00
Power House No 1	5000.00
New Filters	8000.00
New House @ Mill Property	1000.00
Power House No 2	7000.00
Oil tank	1600.00
56 Acres tillable land @ $43.00	2408.00
38 " Pasture " @ 30.00	1140.00
11 " Wooded " @ 25.00	275.00
Reservoir & Improvements	7000.00
	$37.573.00

Total for 1927 $37,573.00

Additions 1931-

New Water plant and Electric Plant	$2800.00
New Oil Tank @ Gas House	900.00
35¼ Acres Land from Louis Hull	1058.00

Total Additions $ 4758.00

Abatements 1931.

5-11-31- Sold to Louis Hull 15 Acr. @ $43.00	645.00
5-11-31 " " " " 5½ " @ 25.00	138.00

Total Abatements $ 783.00

NET ~~ABATEMENTS~~ addition 3,975.00

Total for 1931 $ 41,548.00

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-20 FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

1922:- Carroll County

In Name of Consolidated Public Utilities.

56 Acres tillable land @ 43	$2408.00	
38 " Pasture " @ 30	1140.00	
11 " Wooded " @ 25	275.00	
Reservoir & Improvements	7000.00	
Improvements on Mac. Lot	450.00	
House	1000.00	
Barn	900.00	
Mill Building	2000.00	
Old Power House	500.00	
New Power House	3000.00	
Dynamo and Boiler	500.00	
New Filter	8000.00	
New House and Mill Bldg	1000.00	
New Power House	4500.00	$32,673.00

Total for 1922 ..... $32,673.00

1926 Addition Oil Tanks $1500.00

Abatement on Mill Building 1000.00

NET Additions 500.00

Total for 1926 $33,173.00

(b)

(b) The practice of Tax Assessor in determining assessments. (Percentage of Actual Valuation.).

Carroll County:-
60% of Actual Value.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-20 FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

(c.) Sources of Information.

Carroll County.
Court House, Westminster Md.

1927:- Liber District No 7 Westminster
1922:- Liber District No 7 Westminster.

(d.) Dates of Obtaining Data.

Carroll County:- February 21, 1933
February 23, 1933

(e) Information from State Tax Commission as to Capital or stock issue of Corporation.

Stock issued 13,754 shares. This includes total capital of this Corporation and not only that covered in this report.

Request Item Nº 13.
Privilege Nº P-20.

Consolidated Public Utilities.
Westminster, Md.

P-20.

Consolidated Public Utilities - Westminster, Md. - Filters - Feb. 3, 1933.

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PRIVILEGE ~~No~~ P-21.

William L. Lucabaugh.

On Cranberry Branch.

Request Item No. 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT WATER AND WATER POWER RIGHTS FILE NO.
Patapsco Project ACC. NO.
Privilege No. P-21 FROM TO
COMPUTED BY CHECKED BY DATE 19
MADE IN CONNECTION WITH 185 WORK

As this privilege is above Elev 450 the information was not collected in great detail

LOCATION ..... NEAR CRANBERRY STATION

Active Privilege

1- CORPORATE NAME OF OWNER OF PRIVILEGE

Lucabaugh's Mill

2- LOCATION OF PRIVILEGE

In Carroll County, on Cranberry Branch about one-half mile from Cranberry Station. Privilege at elevation 650

3- BRIEF DESCRIPTION OF PRIVILEGE

A three and one-half story stone and frame mill : dam : mill race : an overshot wheel and an 8" Turbine.

4- HISTORICAL DATA ON PRIVILEGE

(a) - Dates of various acquisitions

1845

(b) - Changes in ownership

Has been in Lucabaugh family since 1845

5-19 - Not applicable

20- HISTORICAL DATA ON PLANT

(a) - Dates of original uses

Original mill built in 1845

Present mill built in 1861

2)

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-21 FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

21-27- Not applicable

28 - NAME OF INVESTIGATOR ON EACH SECTION AND DATES WHEN DATA WERE OBTAINED.

H.S. Shryock -- Plant Valuation Engineer
A.F. DiDomenico - Assistant Plant Valuation Engineer

Field Notes -- January 27, 1933
Photographs - January 31, 1933.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-21. FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

29. TAX ASSESSMENT OF PRIVILEGE.

(a.) Last two Assessments in as much detail as possible.

1927:- Carroll County.
In Name of Wm. T. Lucabaugh.

56 3/8 Acres... $		
44 1/2 Acres @ 55⁰⁰	$2447.00	
11 7/8 " @ 20⁰⁰	236⁰⁰	
Dwelling	500⁰⁰	
Dwelling	1600⁰⁰	
Barn	600⁰⁰	
Other Buildings	500⁰⁰	
Mill	1500⁰⁰	$7383⁰⁰

Total for 1927.....$7383⁰⁰

1922:- Carroll County.
In Name of Wm T. Lucabaugh.

56 3/8 Acres		
44 1/2 Acres tillable @ $50⁰⁰	$2225⁰⁰	
11 7/8 " Wooded @ $25⁰⁰	298⁰⁰	
Dwelling	1550⁰⁰	
Dwelling	500⁰⁰	
Barn	600⁰⁰	
Other Buildings	500⁰⁰	
Mill	2000⁰⁰	$7673⁰⁰

Total for 1922.....$7673⁰⁰

(b). The practice of Tax Assessor in determining assessments. (Percentage of Actual Valuation).

Carroll County.
60% of Actual Value.

Request Item 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-21. FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

(c.) Sources of Information.

Carroll County
Court House, Westminster, Md.
1927 :- Liber District No 7, Westminster.
1922 :- Liber District No 7, Westminster.

(d.) Dates of Obtaining data.

Carroll County :- February 21, 1933
February 23, 1933.

Request Item No 13.
Privilege No P-21.

WILLIAM L. LUCABAUGH.

Cranberry Station.

P-21.

Wm L. Lucabough on Cranberry Creek. Jan. 31, 1933.

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PRIVILEGE No P-22.

D.J. Brillhardt.

Snydersburg, Md.

Request Item No. 13

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT WATER AND WATER POWER RIGHTS FILE NO.

Patapsco Project ACC. NO.

Privilege No. P-22 FROM TO

COMPUTED BY H.S. Shryock CHECKED BY A.F. DiDomenico DATE 19

MADE IN CONNECTION WITH 1938 WORK

As this privilege is above elev 450 the information was not collected in great detail

LOCATION ..... SNYDERSBURG, CARROLL CO.

Inactive Privilege

1- CORPORATE NAME OF OWNER OF PRIVILEGE.

D. J. Brillhardt

2- LOCATION OF PRIVILEGE

On East Branch about one mile S.E. of Snydersburg. Privilege at elevation 700

3- BRIEF DESCRIPTION OF PRIVILEGE

A brick mill building rebuilt about 18 years ago after a fire destroyed the original mill. However no machinery has ever been replaced. There are no traces of dam and very slight traces of the race. It was originally a grist mill.

4- HISTORICAL DATA ON PRIVILEGE.

(a)- Dates of various acquisitions

It has been in the Brillhardt family for over sixty years.

5-27 - not applicable

28- NAME OF INVESTIGATOR ON EACH SECTION AND DATES WHEN DATA WERE OBTAINED

H.S. Shryock, Plant Valuation Engineer
A.F. DiDomenico, Assistant Plant Valuation Engineer.

Field Notes and Photograph- February 3, 1933
This property is above proposed flooded area.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-22. FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

29: TAX ASSESSMENT OF PRIVILEGE.

(a.) Last two Assessments in as much detail as possible.

1927: Carroll County.
In Name of David J. Brilhardt.

60 Acres Tillable land @ $38.00		$2280	
12 " Wooded " @ 14.00		168	
16 " Barren " @ 12.00		192	
5 " other " @ 8.00		40	
Dwelling		1200	
Dwelling		800	
Barn		1100	
Other Buildings (Mill)	500		$6280.00

Total for 1927 ..... $6280.00

here

1922: Carroll County.
In Name of David J. Brilhardt.

60 Acres tillable Land @ $32		$1920	
12 " Wooded " @ 14		168	
16 " Marsh " @ 12		192	
5 " other " @ 8		40	
Dwelling		800	
Dwelling		400	
Barn		500	
Other Buildings (Mill)	500		$4520.00

Total for 1922 ..... $4520.00

(b). The practice of tax assessor in determining assessments. (Percentage of Actual Valuation).

Carroll County
60% of Actual Value.

Request Item 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-22 FILE NO. ACC. NO. FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

(c.) Sources of Information.

Carroll County.
Court House, Westminster, Md.
1927:- Liber District Nº8- Hampstead.
1922:- Liber District Nº8- Hampstead.

(d) Dates of Obtaining data.

Carroll County:- February 21, 1933
February 23, 1933.

Request Item No 13.
Privilege No P-22.

D. J. Brillhardt.
Snydersburg, Md.

P-22

D. J. Brillhardt - Snydersburg, Md. Feb, 3, 1933.

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PRIVILEGE No P-23.

Krebs & Thompson.

Snydersburg, Md.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT WATER AND WATER POWER RIGHTS — FILE NO.
Patapsco Project — ACC. NO.
Privilege No. P-23 — FROM — TO
COMPUTED BY H.S. Shryock — CHECKED BY A.F. DiDomenico — DATE — 19
191
MADE IN CONNECTION WITH — WORK

As this privilege is above elev. 450 the information was not collected in much detail

LOCATION - SNYDERSBURG, CARROLL CO.

Active Privilege

1 - CORPORATE NAME OF PRIVILEGE

Krebs & Thompson.

2 - LOCATION OF PRIVILEGE

On East Branch at Snydersburg, Md
Privilege is at elevation 720.

3 - BRIEF DESCRIPTION OF PRIVILEGE

A frame grist and saw mill with 14' Overshot wheel: dam some distance up stream with mill race to mill. Recently a large loose stone and earth dam about 18' high has been built very close to the mill and has raised the level of the impounded water almost up to the level of the mill race. This lake, known as Cascade Lake, is used as a recreation place in summer. The owners derive much more from the operation of the lake than from running the grist mill.

4 - HISTORICAL DATA ON PRIVILEGE.

(a) - Dates of various acquisitions

1932

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-23 FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

(b) Changes in ownership

1932 - Frank Smith to J.L. Krebs and J. F. Thompson

Frank Smith owned it for about seventeen years.

5-27- Not applicable

28 - NAME OF INVESTIGATOR ON EACH SECTION AND DATES WHEN DATA WERE OBTAINED

H.S. Shryock, Plant Valuation Engineer
A.F. DiDomenico, Assistant Plant Valuation Engineer

Field Notes - February 3, 1933
Photographs - February 3, 1933.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-23. FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

29: TAX ASSESSMENT OF PRIVILEGE.

(a.) Last two Assessments in as much detail as possible.

1927: Carroll County.

In Name of Frank L. Smith.
Now in Name of John L. Krebs and J.F. Thompson.

6 Acres Tillable land @ $38.00		$228.00	
6 " Wooded " @ 14.00		84.00	
7 " Barren " @ 8.00		56.00	
4 " other " @ 50.00		200.00	
Dwelling		400.00	
Barn		100.00	
other Building - Mill		600.00	
Bath House		350.00	$2018.00

Total for 1927 ..... $2018.00

1922: Carroll County.

In Name of Frank L. Smith.

6 Acres tillable land @ 27		$162.00	
6 " Wooded " @ 14		84.00	
7 " Marsh " @ 8		56.00	
4 " other " @ 26		104.00	
Dwelling		400.00	
Barn		100.00	
other Building - Mill		550.00	$1456.00

Total for 1922 ..... $1456.00

(b) The practice of Tax Assessor in determining Assessments. (Percentage of Actual Valuation).

Carroll County
60% of Actual Value.

Request Item 13.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT P-23. FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

(c.) Sources of Information.

Carroll County:
Court House, Westminster, Md.
1927 :- Liber 8 - Hampstead
1922 :- Liber 8 - Hampstead.

(d) Dates of Obtaining data.

Carroll County :- February 21, 1933
February 23, 1933.

Request Item No 13.
Privilege No P-23.

Krebs & Thompson
Snydersburg, Md.

P-23

Krebs & Thompson - Snydersburg, Md - Grist Mill & Cascade Dam Feb. 3, 1933.

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PRIVILEGE P-24

G. Frederick Obrecht

HOODS MILL, MD

PATAPSCO PROJECT

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT Privilege P-24 FILE NO.

Hoods Mill, Carroll County, Md. ACC. NO.

(Inactive Privilege). FROM TO

COMPUTED BY H.S. Shryock CHECKED BY A.F. Di Domenico. DATE 19

MADE IN CONNECTION WITH 194 WORK

1. Corporate Name Of Owner Of Privilege.

G. Frederick Obrecht.

2. Location Of Privilege.

On South Branch of Patapsco River at Hoods Mill, Carroll County, Md.

3. Brief Description Of Privilege.

A concrete grain elevator, new frame mill building, overgrown Mill race and dam that has been broken through. The mill was formerly operated by water power, with steam as standby power, but since dam broke through and the old mill was destroyed by fire it has not been run. However the owner contemplates installing electrical machinery and operating the mill by current purchased.

4. Historical Data On Privilege.

(a) Dates of various acquisitions.

On December 8, 1927, G. Frederick Obrecht purchased property from Washington Trust of Maryland.

(b). Changes in Ownership.

Wm L. Hammond Sr. owned property before 1896.
Dec. 14, 1917 - Wm L. Hammond Sr. & Wife to Wm L. Hammond, Jr.
Apr. 28, 1926 - D. Eugene Walsh Trustee in Bankrupcy, to Washington Trust Co. of Maryland.

5. Total Area Of Water-Shed Above Privilege.

Approx. 39 Sq. Mi.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT ..... FILE NO. .....

ACC. NO. .....

FROM ..... TO .....

COMPUTED BY ..... CHECKED BY ..... DATE ..... 19 .....

MADE IN CONNECTION WITH ..... WORK .....

6 to 13 (INCL.) Not Applicable.

14. LOCATION OF DAM.

Ruins of dam are on South Branch about 150 ft. West of Bridge on Washington & Westminster Rd.

15. DESCRIPTON OF DAM.

Destroyed.

16. HEAD RACE OR CANAL.

(a) Length.
approx 1000 ft.
In bad repair and Overgrown.

17. WATER WHEELS INSTALLED.

None. Have been removed.

18. TAIL RACE

In bad repair and Overgrown.

19. LOCATION OF PLANT USING PRIVILEGE.

On South Branch of Patapsco River at Hoods Mill, Carroll County, Md.

20. HISTORICAL DATA ON PLANT.

(a) Dates of original uses.

Was a flour and grist mill before 1896.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT ..... FILE NO. .....
ACC. NO. .....
FROM ..... TO .....
COMPUTED BY ..... CHECKED BY ..... DATE ..... 19.
MADE IN CONNECTION WITH ..... WORK .....

(b). Character of original uses.

Flour and grist Mill

(c). Changes in Ownership and present owner or lessee.

(See 4-b)

(d.) Information on sales or rentals of plant.

None.

21. BRIEF DESCRIPTION OF PLANT.

(a) Product

Cattle feed was ground here before mill was burnt.

(b). Description of manufacturing process.

No machinery in Mill at present time.

(c.) Industrial buildings: Character, type, number and size.

Elliptical Concrete Grain elevator 30'x 14.5'x 75' high. good condition.

Two story mill building 49'x 27.3' 1st Floor Stone, 2nd Story Frame. Frame work new.

One story Boiler House, 18'x 40', Frame Construction. poor Condition.

(d). Manufacturing equipment.

none.

(e) Number of employees

none.

(f) Area of land incident to plant purpose.

Total acreage of property is 102 Acres.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT ..... FILE NO. .....

ACC. NO. .....

FROM ..... TO .....

COMPUTED BY ..... CHECKED BY ..... DATE ..... 19 .....

MADE IN CONNECTION WITH ..... WORK .....

22. WATER POWER DEVELOPMENT.

Not applicable.

23. STEAM POWER DEVELOPMENT.

A Coatsville boiler is in boiler house. (Poor condition).

24. PURCHASED POWER.

None.

25. INDUSTRIAL USE OF WATER, OTHER THAN FOR POWER.

Not applicable.

26. PLAT SHOWING TO APPROXIMATE SCALE.

(a) Location of Privilege, property lines, dam and appurtenant structures.
see page

(b). Location of Plant and Buildings.
see page.

27. DETAILED TITLE SEARCH OF PRIVILEGE.

To be obtained by legal department if and when requested.

28. NAME OF INVESTIGATOR ON EACH SECTION AND DATES WHEN DATA WERE OBTAINED.

H.S. Shryock, Plant Valuation Engineer
A.F. Di Domenico, Ass't Plant Valuation Engineer.

Field notes : Aug. 28, 1933 & Sept. 6, 1933
Photographs :. Sept. 6, 1933.

29. Tax Assessment Of Privilege.

(a) Last two assessments in as much detail as possible.

1927- Howard County.

In name of G. Frederick Obrecht.

15 Acres Wooded land @ $15.00 ..... $225.00 $225.00

1927- Carroll County

In name of G. Frederick Obrecht.

102 Acres ..... @ 10.00	$1020.00	
Dwelling	350.00	
Lot	100.00	
House	500.00	
Mill	5000.00	
	$6970.00	
Rebate after Fire	4000.00	
Net 1927 Carroll County	$2970.00	2970.00

Total both Counties 1927 ..... $3195.00

1922- Howard County.

In name of W.L. Hammond, Jr.

15 Acres on Hoods Mill Rd ..... @ $15.00 ..... $225.00 $225.00

1922- Carroll County

In name of Washington Trust Co. of Maryland.

102 Acres	$600	
Dwelling	350	
Mill	2000	
Elevator	3000	
1922 Carroll County	5950.00	5950.00

Total both Counties 1922 ..... $6175.00

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT ..... FILE NO. .....

ACC. NO. .....

FROM ..... TO .....

COMPUTED BY ..... CHECKED BY ..... DATE ..... 19 .....

MADE IN CONNECTION WITH ..... WORK .....

(b). The practice of tax assessor in determining assessments. (percentage of actual value).

Howard County :- 75% of actual value.
Carroll County :- 60% of actual Value.

(C.) Sources of Information.

Howard County:-
Court House, Elicott City, Md
1922 :- Liber District 4- Folio 103
1927 :- Liber District 4- Folio 194

Carroll County :-
Court House, Westminster Md.
1922 :- Liber District 14-Barrett - folio
1927 :- Liber District 14-Barrett

(d) Dates of obtaining data.

Howard County :- August 30, 1933
Carroll County :- September 1, 1933.

Request Item 13
Privilege P-24

G. FREDERICK OBRECHT.
HOODS MILL, MD.

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Request Item 13
Privilege P-24

PLAT SHOWING LOCATION
OF
HOODS MILL
G. FREDERICK OBRECHT, Owner.

Scale: 1" = 1000' Sept. 22, 1933

PREPARED FOR ADVISORY ENGINEERS ON
WATER SUPPLY BY BUREAU OF WATER SUPPLY

Request Item 13
Privilege P-24

CARROLL COUNTY

To Hoods Mill Station

B. & O. R. R.

WASHINGTON & WESTMINSTER RD.

Ruins of Dam 250' up stream

Bridge

To Frederick Road

Stone Foundation Ruins of Wheel House

Concrete Grain Elevator

Stone Wall

Boiler House

Scales

28'
27.3'
51'
48'
14.5
18'
40.5'±

HOODS MILL ROAD

SOUTH BRANCH OF PATAPSCO RIVER

HOWARD COUNTY

SKETCH SHOWING LOCATION
OF PLANT AND BUILDINGS OF
HOODS MILL
CARROLL COUNTY, MD.

G. FREDERICK OBRECHT, Owner
Scale: 1" = 60' Sept. 29, 1933
PREPARED FOR ADVISORY ENGINEERS ON
WATER SUPPLY BY BUREAU OF WATER SUPPLY

PRIVILEGE P-25.

Morgan Canning Co.

MORGAN, MD

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

PATAPSCO PROJECT

SUBJECT PRIVILEGE P-25. FILE NO.

MORGAN, MD. ACC. NO.

Inactive Privilege. FROM TO

COMPUTED BY H.S. Shryock CHECKED BY A.F. Di Domenico. DATE 19

MADE IN CONNECTION WITH 201 WORK

1. CORPORATE NAME OF OWNER OF PRIVILEGE.

Morgan Canning Co.

2. LOCATION OF PRIVILEGE.

On Howard County side of South Branch of Patapsco River at Morgan, Maryland.

3. BRIEF DESCRIPTION OF PRIVILEGE.

Several mill buildings, formerly used for the manufacture of paper; but now are a portion of a cannery. A dam, a mill race and an overgrown tail race.

4. HISTORICAL DATA ON PRIVILEGE.

(a) Dates of various acquisitions.

October 31, 1919 - Executors of Joshua N. Warfield to Morgan Canning Co. (Albert Franklin, Robert Lewis & John S. Lewis).

(b). Changes in Ownership.

April 18, 1873 - Thomas E. Ensor & Wife to John A. Dushane & Wife
April 13, 1886 - John A. Dushane & Wife to Woodbine Paper Co.
October 4, 1897 - Woodbine Paper Co - Deed of Trust to Geo. D. Penniman.
Feb. 10, 1901 - Geo. D. Penniman to John A. Dushane.
By will of John A. Dushane, Joshua N. Warfied et-al.

(c) Information on sales or rentals.

None.

(2).

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT ..... FILE NO. .....

ACC. NO. .....

FROM ..... TO .....

COMPUTED BY ..... CHECKED BY ..... DATE ..... 19 .....

MADE IN CONNECTION WITH ..... WORK .....

5. TOTAL AREA OF WATER-SHED ABOVE PRIVILEGE.

Approx. 33 Sq. Mi

6 to 8 (Incl.). Not Applicable.

9. FALL OR HEAD UNDER THE PRIVILEGE.

(a) Claimed

Eighteen feet (18').

10. FALL OR HEAD USED OR DEVELOPED.

Eighteen feet (18').

11. DATA ON MILL POND.

Could not obtain area, depth, or Capacity of Mill Pond due to the over grown condition of the terrain along the banks of the pond.

12. SUPPLEMENTARY STORAGE RESERVIORS, IF ANY.

None.

13. STREAM FLOW DATA - (not Applicable).

14. LOCATION OF DAM.

On South Branch of Patapsco River about 1900 ft. West of Mill at Morgan, Md.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT FILE NO. P-25.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH WORK

15. DESCRIPTION OF DAM.

A log and timber dam about 150 ft. long and 7 ft. High. It is in fair Condition.

16. HEAD RACE OR CANAL.

(a) Lenght.
1800 ft.

(b). Cross Section.
13 ft × 6 ft ±

(c) Slope.
Can not obtain, due to mill not being in operation.

(d) Discharge Capacity.
Can not obtain, due to mill not being in operation.

(e) Character of Construction.
Well constructed earth race.

17. WATER WHEELS INSTALLED.

(a) Number
Two. Buried in mud.

(b). Type.
Vertical

(c) Name of Makers.
S. Morgan Smith.

(d) Dimensions.
Could not obtained.

(e) Rated Capacity of each.
1-60 H.P.
1-75 H.P. information given by owners.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT ..... FILE NO. P-25.

ACC. NO. .....

FROM ..... TO .....

COMPUTED BY ..... CHECKED BY ..... DATE ..... 19.....

MADE IN CONNECTION WITH ..... WORK .....

18. TAIL RACE.

Filled in.

19. LOCATION OF PLANT USING PRIVILEGE.

On Howard County side of South Branch of Patapsco River at Morgan, Md.

20. HISTORICAL DATA ON PLANT.

(a) Dates of original uses.

A paper mill ~~previous to~~ from sometime 1873.

(b). Character of original uses.

paper mill

(c.) Changes in ownership and present owner or lessee.

see answers to Question 4-a and b.

21. BRIEF DESCRIPTION OF PLANT.

(a) Product.

Paper was manufactured before Mill Was burnt in 1902.

(b). Description of manufacturing process.

no paper manufacturing machinery in mill at present time. Old mill used as warehouse for the cannery.

(c). Industrial buildings: Character, type, number and size.

Wheel House: 27.3'x 25' Frame Construction, One Stone foundation, One Story poor Condition.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT FILE NO.
ACC. NO.
FROM TO
COMPUTED BY CHECKED BY DATE 19
MADE IN CONNECTION WITH WORK

Mill building :- One Story, Stone Construction, 104.5' x 40' fair Condition.
Addition to Mill building:- One Story, Sheet metal Construction, 40'x27.5', good Condition.

(d). Manufacturing equipment.

none. These buildings with the addition of several new buildings not listed above are now used as a cannery run by steam power.

(e) Number of employees.

Employees are used only during canning season, however at no time is the Present plant operated by water power.

(f). Area of land incident to plant purpose.

Total acreage of property is 46 Acres.

22. WATER POWER DEVELOPMENT.

Not applicable.

23. STEAM POWER DEVELOPMENT.

Not applicable.

24. PURCHASED POWER.

None.

25. INDUSTRIAL USE OF WATER, OTHER THAN FOR POWER.

Small amount of water is taken from the mill race for process during canning season.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT ..... FILE NO. .....

ACC. NO. .....

FROM ..... TO .....

COMPUTED BY ..... CHECKED BY ..... DATE ..... 19 .....

MADE IN CONNECTION WITH ..... WORK .....

26. PLAT SHOWING TO APPROXIMATE SCALE.

(a) Location of Privilege, property lines, dam, and appurtenant structures.
see page.

(b). Location of Plant and Buildings.
see page.

27. DETAILED TITLE SEARCH OF PRIVILEGE.

To be obtained by legal department if and when requested.

28. NAME OF INVESTIGATOR ON EACH SECTION AND DATES WHEN DATA WERE OBTAINED.

H.S. Shryock, Plant Valuation Engineer.
A.F. Di Domenico, Ass't Plant Valuation Engineer.

Field notes:- August 8, 1933 and Sept. 6, 1933.
Photograph:- ~~September~~ 6, 1933.
Nov. 17, 1933

29. TAX ASSESSMENT OF PRIVILEGE.

(a) Last two assessments in as much detail as possible.

1927:- Howard County.
In name of Morgan Canning Co.
46 Acres on Morgan Road.

6 Acres - tillable @ $25.00	$ 150.00
40 " Wooded @ 25.00	1000.00
* Factory	5650.00
+ Store room	900.00

Assessment 1927 Howard County..... $7700.00

* New building used as Cannery
+ Old mill building - re-built and now used as warehouse.

1922 : Howard County

In name of Morgan Canning Co.
46 Acres on Morgan Road.
6 Acres Standing pasture @ $25.00 .... $150.00
40 " Wooded ..... @ 25.00 .... 1000.00
* Building 40'x104'
O Building 30'x164 } 5000.00
\+ Building 25'x30'
× Building 20'x30 ..... 150.00

Assessment 1922 Howard County .... $6300.00.

* Old mill building-re-built and now used as warehouse.
O New building used as cannery.
\+ Old wheel house.
× Old boiler house now ruins.

(b). The practice of tax collector in determing assessments (percentage of actual value.)

Howard County : 75% of actual Value.

(c.) Sources of information.

Howard County:-
Court House, Ellicott City, Md.
1922: Liber District 4, Folio 164
1927: Liber District 4, Folio 167.

(d.) Dates of obtaining data.

Howard County. August 30, 1933.

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Morgan Canning Co. Morgan, Md. Nov. 17, 1933.

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Morgan Canning Co.- Morgan Md - Dam Nov. 17, 1933

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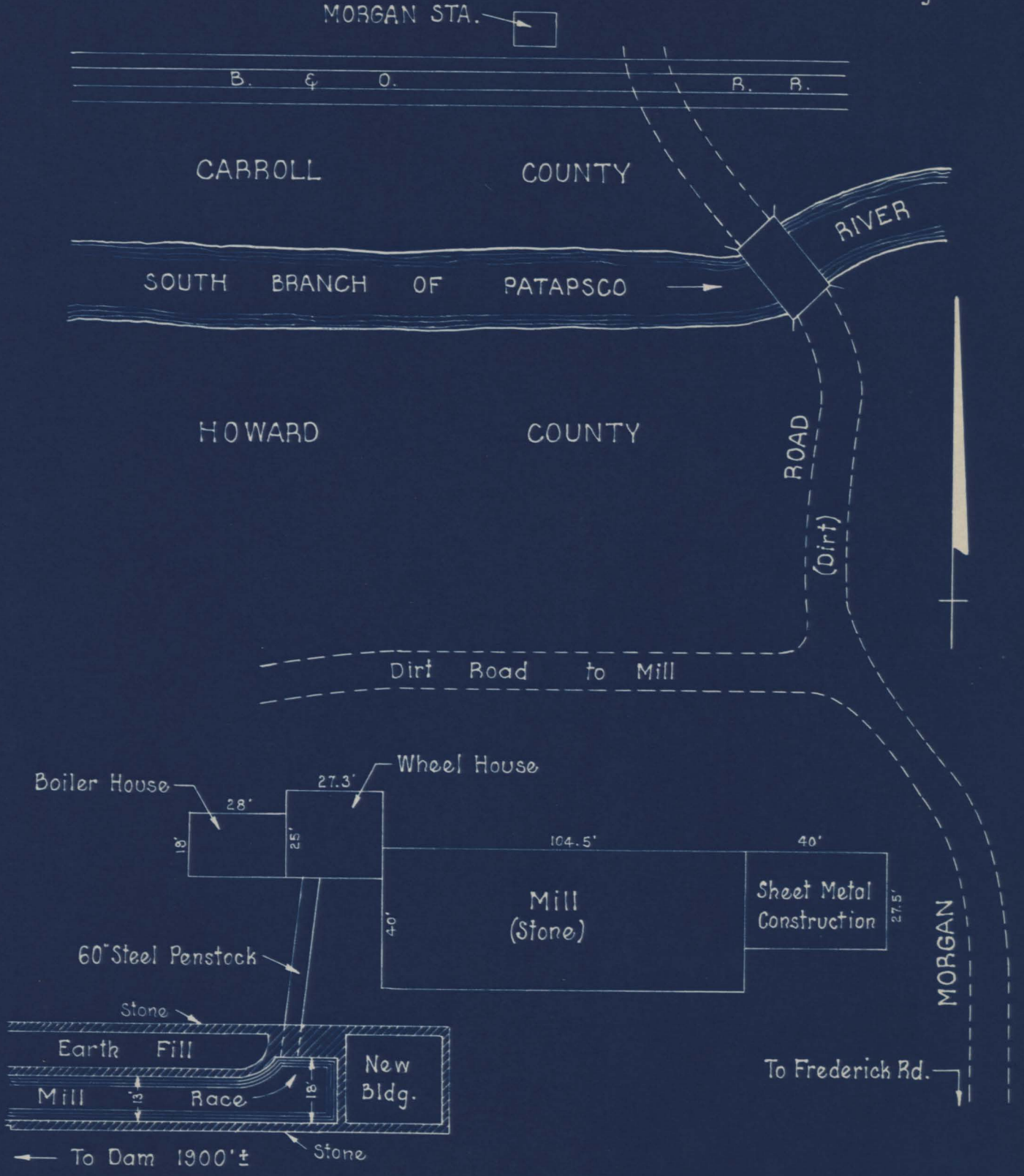
Request Item 13
Privilege P-25

PLAT SHOWING LOCATION
OF
MORGAN CANNING CO.
ROBERT LEWIS, JOHN S. LEWIS
AND ALBERT FRANKLIN, Owners.
Scale: 1" = 1000' Sept. 22, 1933
PREPARED FOR ADVISORY ENGINEERS ON
WATER SUPPLY BY BUREAU OF WATER SUPPLY

Request Item 13
Privilege P-25



SKETCH SHOWING LOCATION OF PLANT AND BUILDINGS OF MORGAN CANNING CO. FORMER WOODBINE PAPER MILL MORGAN, MD.

Scale: 1" = 40' Sept. 28, 1933

PREPARED FOR ADVISORY ENGINEERS ON WATER SUPPLY BY BUREAU OF WATER SUPPLY

PRIVILEGE · P-26.

American Sifter Mills.

WOODBINE, MD.

PATAPSCO PROJECT.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT PRIVILEGE P-26. FILE NO.

WOODBINE, CARROLL COUNTY, MD. ACC. NO.

(Active Privilege) FROM TO

COMPUTED BY H.S. Shryock CHECKED BY A.F. Di Domenico. DATE 19

MADE IN CONNECTION WITH L10 WORK

1. CORPORATE NAME OF OWNER OF PRIVILEGE.

American Sifter Mills.

2. LOCATION OF PRIVILEGE.

On Gillis Falls approximately ~~100ft~~ North of its crossing the ~~with~~ B.&.O.R.R. Right of way.

3. BRIEF DESCRIPTION OF PRIVILEGE.

A fairly active grist and saw mill run by water; a dam and mill race.

4. HISTORICAL DATA ON PRIVILEGE.

(a) Dates of various acquisitions.

May 29, 1924 Harry E. Evans and wife to John Owinski and wife.

(b) Changes in Ownership.

April 18, 1895 Elizabeth N. Newport to Thomas B. Fleming. 2 Ac.±
April 22, 1895 Reuben H. Harrison to Thomas B. Fleming. ¼ Ac.±
April 21, 1924 Thomas B. Fleming to Harry Evans 2¼ Ac.±.

(c) Information on sales or rentals.

none.

5. TOTAL AREA OF WATER-SHED ABOVE PRIVILEGE.

Approx 19 Sq. Mi.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT ..... FILE NO. P-26.

ACC. NO. .....

FROM ..... TO .....

COMPUTED BY ..... CHECKED BY ..... DATE ..... 19 .....

MADE IN CONNECTION WITH ..... WORK .....

6. AREA OF WATER-SHED USED.

Variable - depending upon demand.

7. AMOUNT OF WATER UNDER PRIVILEGE.

(a) Claimed.

Sufficient Water for running Mill.

8. AMOUNT OF WATER USED.

(a) Power.

Depends upon stream flow and demand. On date of visit mill was not running; but 53 cu.ft. per minute were going over the overflow weir near the mill, ~~however~~ Stream was at low stage at this time.

(b.) Process.

None.

9. FALL OR HEAD UNDER THE PRIVILEGE.

(a) Claimed

Sixteen feet.

10. FALL OR HEAD USED OR DEVELOPED.

Sixteen feet.

11. DATA ON MILL POND.

(a.) Approximate Area.

36,000 Sq. ft.

(b) Approximate Depth.

four feet at dam.

(c) Approximate Capacity.

405,000 Gallons.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT ..... FILE NO. P-26.

ACC. NO. .....

FROM ..... TO .....

COMPUTED BY ..... CHECKED BY ..... DATE ..... 19.....

MADE IN CONNECTION WITH ..... WORK .....

12. SUPPLEMENTARY STORAGE RESERVOIRS, IF ANY.

None.

13. STREAM FLOW DATA - (Not Applicable).

14. LOCATION OF DAM.

On Gillis Falls 3780 ft. northerly from mill.

15. DESCRIPTION OF DAM.

One main dam 58 ft. Long and 4 ft. high, crude masonry Construction and two auxiliary dams acting as dykes along edge of Stream, One 21 ft. long x 3.5 ft. high crude masonry Construction, the other 13 ft. Long x 3 ft. high. Log and timber Construction..

16. HEAD RACE OR CANAL.

(a.) Length.

3780 feet.

(b.) Cross Section.

8 ft. x 4 ft. (irregular).

(c.) Slope.

Cannot obtain.

(d) Discharge Capacity.

53 cu. ft. per minute during low flow.

5

(e.). Character of Construction.

Fairly well constructed earth race.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT ..... FILE NO. P-26

ACC. NO. .....

FROM ..... TO .....

COMPUTED BY ..... CHECKED BY ..... DATE ..... 19 .....

MADE IN CONNECTION WITH ..... WORK .....

17. WATER WHEELS INSTALLED.

(a) Number.
One.

(b). Type.
Overshot.

(c) Name of Makers
The Fitz Water Wheel Co. Hanover, Pa.

(d) Dimensions.
16ft. Diam. 4ft. wide.

(e) Rated Capacity of each.
Depends upon stream flow.

18. TAIL RACE.

(a) Length.
100 ft. ±

(b). Cross section.
6ft. × 6ft.

(c) Slope.
Cannot obtain.

(d) Discharge capacity.
cannot figure.

(e) Character of Construction.

Trench cut in ground.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT ..... FILE NO. P-26.

ACC. NO. .....

FROM ..... TO .....

COMPUTED BY ..... CHECKED BY ..... DATE ..... 19.....

MADE IN CONNECTION WITH ..... WORK .....

19. LOCATION OF PLANT USING PRIVILEGE.

On Gillis Falls approximately 100ft. North of its intersection with B.&O.R.R. Right-of-way.

20. HISTORICAL DATA ON PLANT.

(a) Dates of original uses.

A grist and saw mill from sometime previous to 1895.

(b). Character of original uses.

grist and saw mill.

(c.) Changes in Owership and present owner or lessee.

See Answer to Question 4-a and b.

(d) Information on sales or rentals of plant.

None.

21. BRIEF DESCRIPTION OF PLANT.

(a.) Product.

Grinds corn meal, cattle feed, and flour, and saws logs.

(b). Description of manufacturing process.

After the wheat has been separated from all foreign substances and has been throughly cleaned, it is ground into flour.

Corn meal and cattle feed is ground by 48" French Burr.

A saw mill can saw logs, boards etc., but it does not seem to be used to any extent.

(c). Industrial buildings: Character, type, number and size.

Three story Mill building; first story stone; second and third frame; 44.5 ft. x 27.5 ft. Fair Condition.

One story Frame Saw mill 36.2 ft x 15 ft. poor Condition.

(d). Manufacturing equipment.

In Mill.

2 Mc Anulty Double Stands - Barry-Webmiller, St. Louis, Mo.
1 - 48" French burr.
8 - 4" x 4" wood elevators.
1 - 24" x 8'-0" Reel.
1 - Cleaner.
1 - Dust Collector - Miller Parks M'f'g. Co. Size No. 4x3.
1 - Corn Crusher.
1 - Corn Sheller.
1 - Wheat Cleaner.

In Saw Mill

Saw & log carriage.

(e) Number of employees.

Two men.

(f). Area of land incident to plant purposes.

Total acreage of property is 2¼ Acres.

22. WATER POWER DEVELOPMENT.

(a) Give brief description of use of water for power with average hours of use per day, opening of gates, etc. for the last five years.

Water is used to turn water wheel and furnish power to run mill. Due to the seasonal type of work in mills of this type it is impossible to get reliable data on the other information requested.

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT ..... FILE NO. P-26

ACC. NO.

FROM ..... TO .....

COMPUTED BY ..... CHECKED BY ..... DATE ..... 19.....

MADE IN CONNECTION WITH ..... WORK .....

23. STEAM POWER DEVELOPMENT

There is no steam power, however a gas engine is in place as stand by power altho it has never been used.

Alma Gas and Gasoline Engine - Alma M'f'g. Co. Alma, Mich. №3954 : Type I-P : 240 r.p.m : 20 H.P.

24. PURCHASED POWER.

NONE.

25. INDUSTRIAL USE OF WATER, OTHER THAN FOR POWER.

None.

26. PLAT SHOWING TO APPROXIMATE SCALE.

(a). Location of privilege, property lines, dam and appurtenant structures.
see page

(b). Location of Plant and Buildings.
see page.

27. DETAILED TITLE SEARCH OF PRIVILEGE.

To be obtained by legal department if and when requested.

28. NAME OF INVESTIGATOR ON EACH SECTION AND DATES WHEN DATA WERE OBTAINED.

H.S. Shryock, Plant Valuation Engineer.
A.F. Di Domenico, Ass't. Plant Valuation Engineer.

Field notes:- Aug. 8 & 9, 1933 and Sept. 6, 1933
Photographs:- ~~Sept. 6~~, 1933.
Nov. 17, 1933

(8)

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT ..... FILE NO. P-26.

ACC. NO.

FROM ..... TO .....

COMPUTED BY ..... CHECKED BY ..... DATE ..... 19 .....

MADE IN CONNECTION WITH ..... WORK .....

29. TAX ASSESSMENT OF PRIVILEGE.

(a). Last two assessments in as much detail as possible.

1927: Carroll County
In name of John Owinski
1 Acre ..... $ 100.00
Mill 1600.00
Other buildings 100.00

Assessment 1927 Carroll County $1800.00

1922:- Carroll County
In name of Thos. B. Fleming.
Lot $100.00
Mill 1600.00
Other building ..... 100.00.

Assessment 1922 Carroll County $1800.00.

(b). The practice of tax collector in determing assessments. (percentage of actual Value)

Carroll county:- 60% of actual Value.

(c). Sources of information.

Carroll county
Courthouse, Westminster, Md.
1922: Liber District 13 - Mt. Airy.
1927: Liber District 13 - Mt. Airy.

(d). Dates of obtaing data.

Carroll County - September 1, 1933.

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American Sifters Mills Woodbine, Md. Nov. 17, 1933.

P-26

American Sifter Mills - Dam

Nov. 17, 1933

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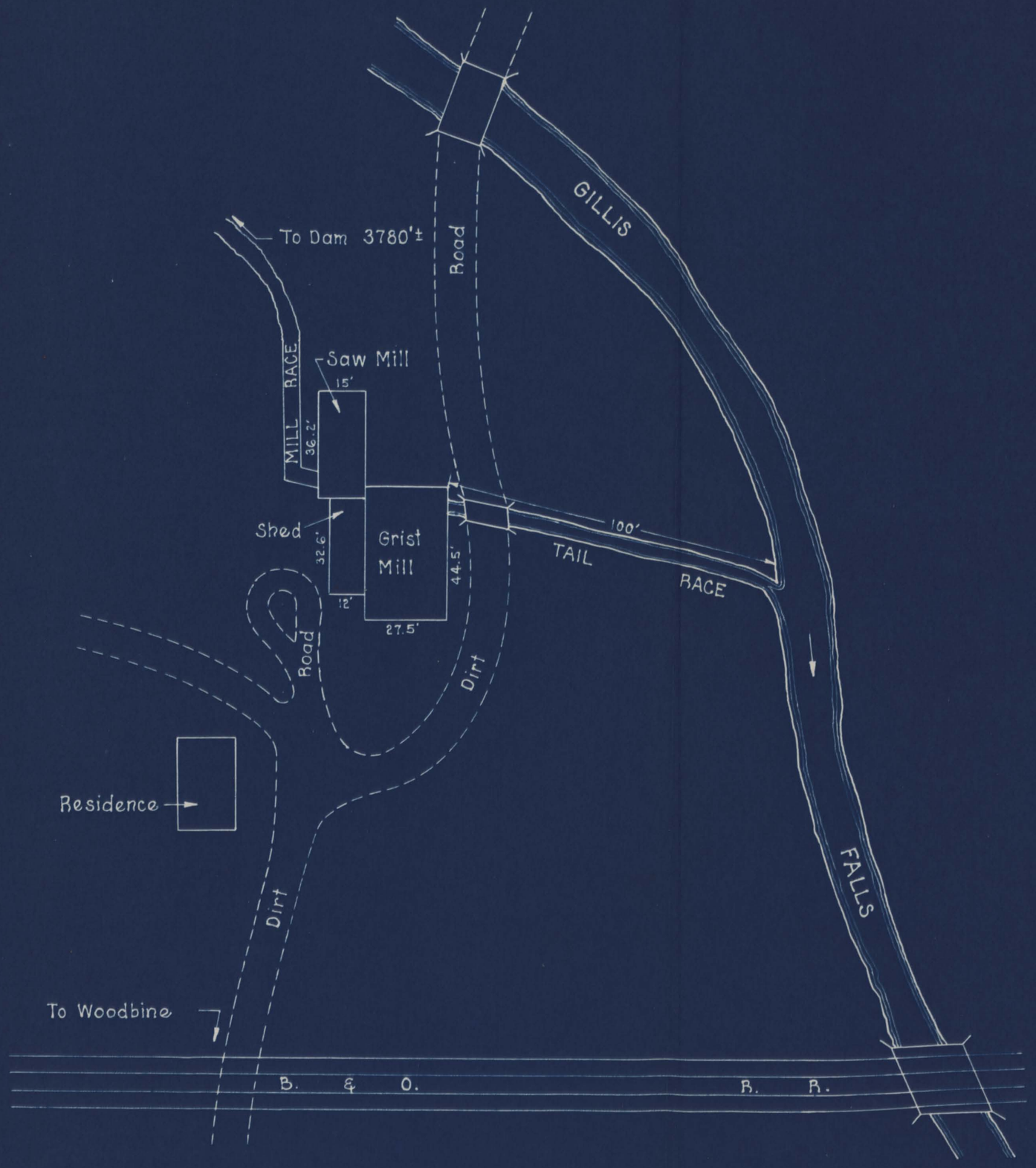
Request Item 13
Privilege P-26

PLAT SHOWING LOCATION
OF
AMERICAN SIFTER MILLS
JOHN OWINSKI, Owner.
Scale: 1" = 1000' Sept. 22, 1933
PREPARED FOR ADVISORY ENGINEERS ON
WATER SUPPLY BY BUREAU OF WATER SUPPLY



SKETCH SHOWING LOCATION
OF PLANT AND BUILDINGS OF
AMERICAN SIFTER MILLS
NEAR
WOODBINE, CARROLL COUNTY, MD.
J.J. OWINSKI, Owner
Scale: 1" = 40' Sept. 29, 1933
PREPARED FOR ADVISORY ENGINEERS ON
WATER SUPPLY BY BUREAU OF WATER SUPPLY

PRIVILEGE P-27.

W. D. Levy

WINFIELD, MD

PATAPSCO PROJECT.
PRIVILEGE P-27

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT Near WINFIELD, CARROLL COUNTY, Md. (Inactive Privilege - Ruins).

FILE NO.

ACC. NO.

FROM TO

COMPUTED BY CHECKED BY DATE 19

MADE IN CONNECTION WITH 219 WORK

1. CORPORATE NAME OF OWNER OF PRIVILEGE.

W. D. Levy.

2. LOCATION OF PRIVILEGE.

On Gillis Falls about one half mile South of Liberty Rd, West of Winfield, Md.

3. BRIEF DESCRIPTION OF PRIVILEGE.

Mill has been torn down, timbers, water wheels, burrs etc. litter up the ground. Traces of mill race can be seen.

4. HISTORICAL DATA ON PRIVILEGE.

(a) Dates of various acquistions.

Sykesville Building Assoc. to W. D. Levy, June, 1933.

(b) Changes in Owner-ship.

Clary to Z. P. Skidmore
Z. P. Skidmore to T. B. Gantrell, May 27, 1924
T. B. Gantrell to Sykesville B'ld'g Asso. May 23, 1933.

(c.) Information on sales or rentals.

none.

5. TOTAL AREA OF WATER-SHED ABOVE PRIVILEGE.

Approx 1.5 Sq. Mi

6 to 19. (not applicable.)

20. HISTORICAL DATA ON PLANT.

(a) Dates of original uses.

Originally known as Pickett's flour mill, has not been in operation for from 8 to 10 years.

21 to 25 (not applicable).

26. PLAT SHOWING TO APPROXIMATE SCALE.

(a) Location of Privilege, property lines, Dam and Appurtenant Structures.

See page.

27. DETAIL TITLE SEARCH OF PRIVILEGE.

To be obtained by legal department if and when requested.

28. NAME OF INVESTIGATOR ON EACH SECTION AND DATES WHEN DATA WERE OBTAINED.

H. S. Shryock, Plant Valuation Engineer.
A. F. Di Domenico, Ass't Plant Valuation Engineer.

Field notes:- August 9, 1933.
Photograph:- September 6, 1933.

(3)

ADVISORY ENGINEERS ON WATER SUPPLY BALTIMORE, MD.

SUBJECT ..... FILE NO. P-27.

ACC. NO.

FROM ..... TO .....

COMPUTED BY ..... CHECKED BY ..... DATE ..... 19 .....

MADE IN CONNECTION WITH ..... WORK .....

29. TAX ASSESSMENT OF PRIVILEGE.

(a) Last two assessments in as much detail as possible.

1927:- Carroll County

In name of T. B. Gantrell. (57 Acres)

38 Acres tillable @ $25.00	$950.00
10 " Standing Pasture @ $20.00	200.00
9 " Wooded @ $15.00	135.00
Barns	450.00
Other Buildings	150.00
Assessment 1927 Carroll County	$1885.00

1922:- Carroll County.

In name of Z. P. Skidmore (57 Acres).

38 Acres tillable @ $25.00	$950.00
19 " Wooded @ 15.00	285.00
Dwelling	450.00
Barns	400.00
Other buildings	250.00
Assessment 1922 Carroll County	$2335.00

(b). The practice of tax collector in determing assessments. (percentage of actual Value).

Carroll County :- 60% of actual Value.

(c.) Sources of information.

Carroll County
Court House, Westminster, Md.
1922: Liber District 9 - Franklin
1927: Liber District 9 - Franklin.

(d.) Dates of obtaining data.

Carroll County - September 1, 1933.

Request Item 13
Privilege P-27

W. D. LEVY
Originally Pickett Mill
Near Winfield, Md.

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Request Item 13
Privilege P-27

PLAT SHOWING LOCATION
OF
PICKETT MILL
W.D. LEVY, Owner

Scale: 1" = 1000' Sept. 22, 1933

PREPARED FOR ADVISORY ENGINEERS ON
WATER SUPPLY BY BUREAU OF WATER SUPPLY