

AL-VI-B-040

Ocean Mine No. 1 Ventilation Fan  
Midland  
Private

late 1920s

The Ocean Mine No. 1 Ventilation Fan is situated on the east side of Rt. 36 across from what was once Consolidation Coal Company's Ocean Mine No. 1 complex. The ventilation fan was probably installed in the late 1920s when the power source for the mine complex was converted from steam to electricity.

It is an Aerodyne type fan, approximately 4 feet in diameter. This type of fan is a propeller or axial-flow fan, similar to the design of an airplane propeller. The fan is encased in a steel plate hood which extends from the intake to the air shaft, curving downward over the shaft. The fan is mounted on a concrete foundation. The air shaft is brick lined.

MARYLAND HISTORICAL TRUST

AL-VI-B-040

INVENTORY FORM FOR STATE HISTORIC SITES SURVEY MAGI #  
NR

**1 NAME**

HISTORIC

AND/OR COMMON

Ocean Mine No. 1 Ventilation Fan

**2 LOCATION**

STREET & NUMBER

Route 36, east side, approx. 1/2 mile north of Midland

CITY, TOWN

Midland

VICINITY OF

CONGRESSIONAL DISTRICT

6th

STATE

Maryland

COUNTY

Allegany

**3 CLASSIFICATION**

CATEGORY	OWNERSHIP	STATUS	PRESENT USE
<input type="checkbox"/> DISTRICT	<input type="checkbox"/> PUBLIC	<input type="checkbox"/> OCCUPIED	<input type="checkbox"/> AGRICULTURE <input type="checkbox"/> MUSEUM
<input type="checkbox"/> BUILDING(S)	<input checked="" type="checkbox"/> PRIVATE	<input checked="" type="checkbox"/> UNOCCUPIED	<input type="checkbox"/> COMMERCIAL <input type="checkbox"/> PARK
<input checked="" type="checkbox"/> STRUCTURE	<input type="checkbox"/> BOTH	<input type="checkbox"/> WORK IN PROGRESS	<input type="checkbox"/> EDUCATIONAL <input type="checkbox"/> PRIVATE RESIDENCE
<input type="checkbox"/> SITE	<b>PUBLIC ACQUISITION</b>	<b>ACCESSIBLE</b>	<input type="checkbox"/> ENTERTAINMENT <input type="checkbox"/> RELIGIOUS
<input type="checkbox"/> OBJECT	<input type="checkbox"/> IN PROCESS	<input type="checkbox"/> YES RESTRICTED	<input type="checkbox"/> GOVERNMENT <input type="checkbox"/> SCIENTIFIC
	<input type="checkbox"/> BEING CONSIDERED	<input type="checkbox"/> YES UNRESTRICTED	<input checked="" type="checkbox"/> INDUSTRIAL <input type="checkbox"/> TRANSPORTATION
		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> MILITARY <input type="checkbox"/> OTHER

**4 OWNER OF PROPERTY**

NAME

Maryland Coal & Realty Co.

Telephone #: 301-689-8895

STREET & NUMBER

Hope Road & Depot Street

CITY, TOWN

Frostburg

VICINITY OF

STATE, zip code

Maryland 21532

**5 LOCATION OF LEGAL DESCRIPTION**

COURTHOUSE  
REGISTRY OF DEEDS, ETC

Allegany County Courthouse

Liber #:

Folio #:

STREET & NUMBER

30 Washington Street

CITY, TOWN

Cumberland

STATE

Maryland 21502

**6 REPRESENTATION IN EXISTING SURVEYS**

TITLE

MHT Historic Sites Survey

DATE

1976

FEDERAL     STATE     COUNTY     LOCAL

DEPOSITORY FOR  
SURVEY RECORDS

MHT

CITY, TOWN

Annapolis

STATE

Maryland 21401

# 7 DESCRIPTION

CONDITION		CHECK ONE	CHECK ONE
<input type="checkbox"/> EXCELLENT	<input checked="" type="checkbox"/> DETERIORATED	<input checked="" type="checkbox"/> UNALTERED	<input checked="" type="checkbox"/> ORIGINAL SITE
<input type="checkbox"/> GOOD	<input type="checkbox"/> RUINS	<input type="checkbox"/> ALTERED	<input type="checkbox"/> MOVED DATE _____
<input type="checkbox"/> FAIR	<input type="checkbox"/> UNEXPOSED		

---

DESCRIBE THE PRESENT AND ORIGINAL (IF KNOWN) PHYSICAL APPEARANCE

The Ocean Mine No. 1 Ventilation Fan is situated on the east side of Route 36 across from what was once Consolidation Coal Company's Ocean Mine No. 1 complex. Few structures remain from this complex (see the powerhouse AL-VI-B-041). The mine slope opening was closed and paved over sometime in the late 1970's.

The ventilation fan was probably installed in the late 1920s when the power source for the mine complex was converted from steam to electricity. It is an Aerodyne type fan, approximately 4 feet in diameter. This type of fan is a propeller or axial-flow fan, similar to the design of an airplane propeller.<sup>1</sup> The fan is encased in a steel plate hood which extends from the intake to the air shaft, curving downward over the shaft. The fan is mounted on a concrete foundation. The air shaft is brick lined.

Just to the south of the fan is the ruins of the fan motor building (see 1934 Insurance Map). This site contained an earlier fan house which utilized the same air shaft. This earlier fan was a Guibal<sup>2</sup> centrifugal fan, 15 feet in diameter, which was driven by steam power. (See xerox of 1953 photograph).

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1

W.J. Montgomery, Theory and Practice of Mine Ventilation, (Columbus, Ohio: The Jeffrey Manufacturing Co., 1936), pp. 252-255.

2

Maryland Geological Survey, Report on the Coals of Maryland, (Baltimore: The Johns Hopkins Press, 1905), p. 563.

CONTINUE ON SEPARATE SHEET IF NECESSARY



**9 MAJOR BIBLIOGRAPHICAL REFERENCES**

(See separate sheet - #9 - Bibliographical)

CONTINUE ON SEPARATE SHEET IF NECESSARY

**10 GEOGRAPHICAL DATA**

ACREAGE OF NOMINATED PROPERTY \_\_\_\_\_

VERBAL BOUNDARY DESCRIPTION

LIST ALL STATES AND COUNTIES FOR PROPERTIES OVERLAPPING STATE OR COUNTY BOUNDARIES

STATE	COUNTY
STATE	COUNTY

**11 FORM PREPARED BY**

NAME/TITLE

Donna Ware, Historian

ORGANIZATION

Maryland Historical Trust/Bureau of Mines

DATE

October 1982

STREET & NUMBER

Shaw House 21 State Circle

TELEPHONE

301-269-2438

CITY OR TOWN

Annapolis

STATE

Maryland 21401

The Maryland Historic Sites Inventory was officially created by an Act of the Maryland Legislature, to be found in the Annotated Code of Maryland, Article 41, Section 181 KA, 1974 Supplement.

The Survey and Inventory are being prepared for information and record purposes only and do not constitute any infringement of individual property rights.

RETURN TO: Maryland Historical Trust  
The Shaw House, 21 State Circle  
Annapolis, Maryland 21401  
(301) 267-1438

AL-VI-B-040

Ocean Mine No. 1 Ventilation Fan  
(#9 - Bibliography - Continuation)

Frostburg State College. Special Collections, Circular File, 1953 photography  
of Ocean Mines fan.

Harvey, Katherine A. The Best Dressed Miners. Ithaca: Cornell University  
Press, 1969.

Insurance Maps of the Consolidation Coal Company, "Ocean No. 1." Frostburg:  
Engineering Department, 1934.

Maryland Geological Survey. Report on the Coals of Maryland. Baltimore: The  
Johns Hopkins Press, 1905.

Montgomery, W.J. Theory and Practice of Mine Ventilation. Columbus, Ohio:  
The Jeffrey Manufacturing Co., 1936.

AL-VI-B-040

AIR SHAFT & OCEAN DEEP MINE  
Route 36, Ocean, Maryland  
ca. 1870

The Air Shaft and Ocean Deep Mine are located across the road from each other along Route 36 in Ocean. The Air Shaft is a large metal cylinder which runs approximately 40 feet along the surface of the ground before it takes a 90° dip underground. The structure provided ventilation for underground mining operations. The entrance to the deep mine was built with a stone facade which was later reinforced with concrete. It provided an entrance to Ocean Mine Number One.

MARYLAND HISTORICAL TRUST

0102765516  
AL-VI-B-040

INVENTORY FORM FOR STATE HISTORIC SITES SURVEY

**1 NAME**

HISTORIC

Air Shaft & Ocean Mine Deep Mine

AND/OR COMMON

**2 LOCATION**

STREET & NUMBER

Route 36

CITY, TOWN

Ocean

VICINITY OF

CONGRESSIONAL DISTRICT

Sixth

STATE

Maryland

COUNTY

Allegany

**3 CLASSIFICATION**

CATEGORY	OWNERSHIP	STATUS	PRESENT USE
<input type="checkbox"/> DISTRICT	<input type="checkbox"/> PUBLIC	<input type="checkbox"/> OCCUPIED	<input type="checkbox"/> AGRICULTURE
<input type="checkbox"/> BUILDING(S)	<input checked="" type="checkbox"/> PRIVATE	<input checked="" type="checkbox"/> UNOCCUPIED	<input type="checkbox"/> MUSEUM
<input checked="" type="checkbox"/> STRUCTURE	<input type="checkbox"/> BOTH	<input type="checkbox"/> WORK IN PROGRESS	<input type="checkbox"/> PARK
<input type="checkbox"/> SITE	<b>PUBLIC ACQUISITION</b>	<b>ACCESSIBLE</b>	<input type="checkbox"/> EDUCATIONAL
<input type="checkbox"/> OBJECT	<input type="checkbox"/> IN PROCESS	<input type="checkbox"/> YES RESTRICTED	<input type="checkbox"/> ENTERTAINMENT
	<input type="checkbox"/> BEING CONSIDERED	<input type="checkbox"/> YES UNRESTRICTED	<input type="checkbox"/> GOVERNMENT
		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> INDUSTRIAL
			<input type="checkbox"/> MILITARY
			<input checked="" type="checkbox"/> OTHER None

**4 OWNER OF PROPERTY**

NAME

Maryland Coal & Realty Company

Telephone #:

STREET & NUMBER

CITY, TOWN

VICINITY OF

STATE, zip code  
Maryland

**5 LOCATION OF LEGAL DESCRIPTION**

COURTHOUSE,  
REGISTRY OF DEEDS, ETC.

Allegany County Courthouse

Liber #:

Folio #:

STREET & NUMBER

30 Washington Street

CITY, TOWN

Cumberland,

STATE

Maryland

**6 REPRESENTATION IN EXISTING SURVEYS**

TITLE

DATE

FEDERAL  STATE  COUNTY  LOCAL

DEPOSITORY FOR  
SURVEY RECORDS

CITY, TOWN

STATE

**7 DESCRIPTION**

<b>CONDITION</b>		<b>CHECK ONE</b>	<b>CHECK ONE</b>
<input type="checkbox"/> EXCELLENT	<input checked="" type="checkbox"/> DETERIORATED	<input checked="" type="checkbox"/> UNALTERED	<input checked="" type="checkbox"/> ORIGINAL SITE
<input type="checkbox"/> GOOD	<input type="checkbox"/> RUINS	<input type="checkbox"/> ALTERED	<input type="checkbox"/> MOVED    DATE _____
<input type="checkbox"/> FAIR	<input type="checkbox"/> UNEXPOSED		

DESCRIBE THE PRESENT AND ORIGINAL (IF KNOWN) PHYSICAL APPEARANCE

The Air Shaft and Ocean Deep Mine are both located across the road from each other along Route 36 in Ocean, Maryland.

The Air Shaft consists of a large, tubular metal cylinder which runs approximately 40 feet along the surface of the ground before it takes a 90° dip underground. The purpose of the structure included providing ventilation for the underground mining operations. (Those mines are no longer operational). The metal cylinder began at a large, square shaped casing which housed the large fan for drawing air into the mine.

The entrance to the deep mine was structured with a stone front, later to be reinforced by concrete. Both the Air Shaft and Ocean Deep Mine stand in deteriorated condition.

CONTINUE ON SEPARATE SHEET IF NECESSARY

**8 SIGNIFICANCE**

PERIOD	AREAS OF SIGNIFICANCE -- CHECK AND JUSTIFY BELOW			
<input type="checkbox"/> PREHISTORIC	<input type="checkbox"/> ARCHEOLOGY-PREHISTORIC	<input type="checkbox"/> COMMUNITY PLANNING	<input type="checkbox"/> LANDSCAPE ARCHITECTURE	<input type="checkbox"/> RELIGION
<input type="checkbox"/> 1400-1499	<input type="checkbox"/> ARCHEOLOGY-HISTORIC	<input type="checkbox"/> CONSERVATION	<input type="checkbox"/> LAW	<input type="checkbox"/> SCIENCE
<input type="checkbox"/> 1500-1599	<input type="checkbox"/> AGRICULTURE	<input type="checkbox"/> ECONOMICS	<input type="checkbox"/> LITERATURE	<input type="checkbox"/> SCULPTURE
<input type="checkbox"/> 1600-1699	<input checked="" type="checkbox"/> ARCHITECTURE	<input type="checkbox"/> EDUCATION	<input type="checkbox"/> MILITARY	<input type="checkbox"/> SOCIAL/HUMANITARIAN
<input type="checkbox"/> 1700-1799	<input type="checkbox"/> ART	<input type="checkbox"/> ENGINEERING	<input type="checkbox"/> MUSIC	<input type="checkbox"/> THEATER
<input checked="" type="checkbox"/> 1800-1899	<input type="checkbox"/> COMMERCE	<input type="checkbox"/> EXPLORATION/SETTLEMENT	<input type="checkbox"/> PHILOSOPHY	<input type="checkbox"/> TRANSPORTATION
<input type="checkbox"/> 1900-	<input type="checkbox"/> COMMUNICATIONS	<input checked="" type="checkbox"/> INDUSTRY	<input type="checkbox"/> POLITICS/GOVERNMENT	<input type="checkbox"/> OTHER (SPECIFY)
		<input type="checkbox"/> INVENTION		

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SPECIFIC DATES    ca. 1870                                    BUILDER/ARCHITECT    Consolidation Coal Company

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STATEMENT OF SIGNIFICANCE

Ocean Mines was one of four mines operated by the Consolidation Coal Company in the George's Creek area. The Consolidation Coal Company was established in 1864 and eventually became the largest bituminous coal company in the United States.<sup>1</sup> The mine at Ocean was known as mine number one and is what is known as a "slope" or "drift" mine. A slope mine differed from a shaft mine in that the entrance was above ground with the passage leading directly into the side of a hill. Thus, a slope mine consisted of a passage leading from the mine entrance with various "rooms" located on either side. Despite the fact that the entrance for Ocean Mines was above ground, ventilation in the mine was poor. The air shaft, now located across Route 36 from the mine entrance, housed a large fan which drew air into the mine.

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1 Harvey, Katherine A. The Best Dressed Miners (Ithaca, N. Y.: Cornell University Press, 1969) p. 9

# MAJOR BIBLIOGRAPHICAL REFERENCES

Allegany County Land Records, Cumberland, Maryland

Harvey, Katherine A. The Best Dressed Miners (Ithaca, N. Y.:  
Cornell University Press, 1969)

CONTINUE ON SEPARATE SHEET IF NECESSARY

## 10 GEOGRAPHICAL DATA

ACREAGE OF NOMINATED PROPERTY \_\_\_\_\_

VERBAL BOUNDARY DESCRIPTION

LIST ALL STATES AND COUNTIES FOR PROPERTIES OVERLAPPING STATE OR COUNTY BOUNDARIES

STATE COUNTY

STATE COUNTY

## 11 FORM PREPARED BY

NAME / TITLE

John Nelson, Joan Baldwin & Steve Beale

ORGANIZATION

Allegany County Historic Sites Survey

DATE

12/10/76

STREET & NUMBER

507 National Highway

TELEPHONE

777-8991

CITY OR TOWN

LaVale,

STATE

Maryland

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RETURN TO: Maryland Historical Trust  
The Shaw House, 21 State Circle  
Annapolis, Maryland 21401  
(301) 267-1438

INVENTORY NO. AI-VI-B-040

DATE: 11/23/76

REMODELING: Drastic, moderate, minor

NAME OF PROPERTY: Air Shaft + Ocean Mine Deep Mine

LOCATION OF PROPERTY: Rt. 36, Ocean

DIRECTION DWELLING FACES: \_\_\_\_\_

NAME OF OWNER: Maryland Coal + Realty Company

ADDRESS: \_\_\_\_\_

STORIES: 1( ) 2( ) 3( ) 4( ) 5( ) 6( ) BAYS: 1( ) 2( ) 3( ) 4( ) 5( ) 6( ) 7( ) ( )

WINGS, ADDITIONS:

Dwelling Shape: (square, cross, rectangular)

WALL CONSTRUCTION:

- ( ) FRAME: Bevel, clapboard, weatherboard, wood shingles, board & batten (type?)
- ( ) BRICK: Bond type- common, English, Flemish. Sketch variants.
- ( ) STONE: Bond type- rubble, ashlar (random or regular), quoins-plain, rusticated
- ( ) ICG
- ( ) Other: Coverings

WALL FEATURES: BELT COURSE, PILASTERS, OTHERS \_\_\_\_\_

FOUNDATIONS: HIGH, LOW, BRICK, STONE

WATER TABLE: NONE, PLAIN, BEVELED, MOULDED BRICK

WINDOWS, TRIM, SHUTTERS: 1/1( ) 2/2( ) 6/6( ) 9/6( ) 9/9( ) other( )  
pegged ( ) nailed( ) wide ( ) narrow ( ) mitred ( ) pediment ( )

ENTRANCE, DOORS: LOCATION: \_\_\_\_\_  
HARDWARE: original( ) replaced( )  
FAN LIGHT, TRANSOM, SIDE LIGHTS, PLAIN  
Paneled, Verticle, Horizontal Boards

CORNICE, BARGE, EAVES: (crown, fascia, soffit, bed)  
original( ) replaeed( ) Rafter Ends, Modillions, Dentils, Frieze, Architrave

ROOF: GABLE FRONT, GABLE FLANK, HIP, SHED, MANSARD, GAMBREL, FLAT, FORMERS # \_\_\_\_\_  
MATERIAL: wood shingles, slate, tin, asphalt original( ) replaeed( )

PORCHES: SHAPE OF ROOF - shed( ) hip( ) gable( )

CHIMNEYS: NUMBER \_\_\_\_\_ BRICK( ) STONE( ) CORBELLED( ) original( ) replaeed( )  
LOCATION: Flush end( ) Inside end( ) Outside end( ) Central( ) Interior ( )

ARCHES: Door and window: Keystone, Flat, Segmental, Semicircular

COMMENTS:  
Use -  
Significance -  
Date Constructed -  
Condition -

# SECTION VI QUADRANGLE B

STATE OF MARYLAND  
MARYLAND GEOLOGICAL SURVEY



AIR SHAFT + OCEAN  
DEEP MINES

AI-VI-B-040  
Rt. 36, South of Ocean

LONACONING, MD. - W.VA.

1:24,000

1974 Revised



AL-VI-B-040

Air Shaft & Ocean Deep Mine

Allegany Co., MD

David A. Dorsey 2/81

View to Northwest



AL-VI-B-040

Air Shaft & Ocean Deep Mine

Allegany Co., MD

David A. Dorsey 2/81

View to Northeast



AL-VI-B-040

Air Shaft & Ocean Deep Mine

Allegany Co., MD 2/81

David A. Dorsey Fan



AL-VI-B-040

Air Shaft & Ocean Deep Mine

Allegany Co., MD

David A. Dorsey 2/81

View to Northwest

# IMPORTANT

## DRIVE INSTRUCTIONS

BE SURE DRIVE SELECTION IS APPROVED BY THE JEFFERSON

2-WHEN ORDERING NEW DRIVE SPECIFY MATCH-IE BEL

6-RUN WITH APPROXIMATELY ONE INCH

SAG ON LOOSE SIDE OF TIGHTEST BEL

AL-VI-B-040

Ocean Mine No. 1 Ventilation Fan

Allegany County, MD

David A. Dorsey 2/81



AI-VI-B-040

Air shaft + Ocean Deep Dims.

Rt. 36, East side

Ocean

John Nelson

11/23/76

Northwest



A1-VI-B-040

Air shaft + Ocean Deep Mine

Rt. 36, East side

Ocean

John Nelson

11/23/76

Northeast