

Water-slacked lime.....	71.0	74.0
Water-slacked magnesia.....	1.7	—

18. Limestones from Liberty District, marked No. 1 and No. 2, for Adam Nusbaum.

No. 1, hard and compact mass of dark steel gray color and fine grain.

No. 2, light gray mass with white veins of calc spar interchanging.

Their composition is as follows :

Carbonate of lime.....	98.5	96.2
Carbonate of magnesia.....	0.3	2.5
Sand and clay.....	1.2	1.3
	<u>100.</u>	<u>100.</u>

When burnt, 100 parts resp. will therefore yield of—

Caustic lime.....	55.2	53.8
Caustic magnesia.....	0.1	1.1

and when water-slacked, of:

Water-slacked lime.....	72.9	71.2
Water-slacked magnesia.....	0.2	1.7

19. Limestones from Liberty District, marked No. 1, No. 2, "the rock from which we have been burning," and No. 3, "Jeremiah Fox's," for Mrs. Burgess.

No. 1, a dark-red breccia with veins of white calc spar.

No. 2, hard and compact mass of very fine grain; dark colored, interchanging with strata of chlorite slate.

No. 3, breccia of light red colors and nests of white calc spar imbedded.

Upon analysis, they were found to be composed as follows :

	No. 1.	No. 2.	No. 3.
Carbonate of lime.....	56.4	47.7	54.8
Carbonate of magnesia.....	38.0	29.1	44.0
Sand and clay (chlorite slate in No. 2)	5.6	23.2	1.2
	<u>100.</u>	<u>100.</u>	<u>100.</u>

When burnt, 100 parts resp. will therefore yield of—

Caustic lime.....	31.6	26.7	30.7
Caustic magnesia.....	18.3	14.1	21.3

and when water-slacked, of—

Water-slacked lime.....	41.7	35.3	40.5
Water-slacked magnesia.....	26.2	20.2	30.5

20. Limestone from Liberty District, for Stoner & Hilhide :

Compact mass of fine grain and light colors.

Its composition is as follows :