| | |
|---|---|
| Carbonate of lime | 92.0 |
| Carbonate of magnesia | 7.5 |
| Sand and clay | 0.5 |
| | 100. |

When burnt, 100 parts will therefore yield of—

| | |
|---|---|
| Caustic lime | 51.5 |
| Caustic magnesia | 3.6 |

and when water-slacked, of—

| | |
|---|---|
| Water-slacked lime | 68.5 |
| Water-slacked magnesia | 5.1 |

16. Limestone from near Liberty, for Dr. Thomas Sim.

Hard, crystalline mass, intermixed with chlorite slate and veins of calc spar.

An average sample of two specimens was found to be composed as follows:

| | |
|---|---|
| Carbonate of lime | 50.0 |
| Carbonate of magnesia | 30.5 |
| Chlorite slate | 19.5 |
| | 100. |

When burnt, 100 parts will therefore yield of—

| | |
|---|---|
| Caustic lime | 28.0 |
| Caustic magnesia | 14.7 |

and when water-slacked, of—

| | |
|---|---|
| Water-slacked lime | 37.0 |
| Water-slacked magnesia | 21.2 |

17. Limestones from Liberty District, marked No. 1 and No. 2, for Thomas G. Maynard.

No. 1, dark gray mass of crystalline texture, and white calc spar imbedded.

No. 2, a white crystalline variety of fine grain.

Upon analysis they were found to be composed as follows:

| | No. 1 | No. 2 |
|---|---|---|
| Carbonate of lime | 96.0 | 99.9 |
| Carbonate of magnesia | 2.5 | 0.1 |
| Sand and clay | 1.5 | —— |
| | 100. | 100. |

When burnt, 100 parts respectively will therefore yield of—

| | | |
|---|---|---|
| Caustic lime | 53.7 | 56.0 |
| Caustic magnesia | 1.1 | —— |

and when water-slacked, of—