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ORE DRESSING LABORATORIES

No. 52

Sept 27/1912

Report on Shipment of Molybdenite Ore

from *Padwell*
Geo. Caldwell.

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Weight of Ore received --- 1267 lbs. net.

Observations: The Molybdenite in the Ore was of the flake variety, very similar to the Reupeu occurrences. The other minerals present were pyrite, pyrrhotite and pyrox-mite.

Concentration: The Ore was crushed in the Jaw Crusher and Rolls until the gangue passed through a 16 mesh screen. Seven (7) pounds of flake were caught on the screen.

The material through 16 mesh was sent to the Flotation Machines and the products from the Machines weighed and sampled.

The results were as follows:-

Flake obtained: Weight - 7.0 lbs.
Analysis - 88.04 % MoS₂.
Content - 6.1628 lbs. MoS₂.

Recovery of MoS₂ Values - 12.6 % .

Rougher Concentrates: Weight - 68.0 lbs.
Analysis - 54.65 % MoS₂.
Content - 37.1620 lbs. MoS₂.

Recovery of MoS₂ Values - 76.2 % .

Rougher Middlings: Weight - 83.0 lbs.
Analysis

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