

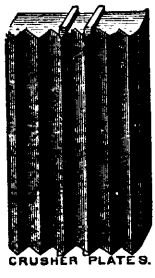
ADAMANTINE SHOES, DIES AND CRUSHER PLATES

Will outwear 3 sets of those made of cast iron or gun meta'. These Shoes, Dies and Plates are in exten-ive use in all the States and Territories of North and South America.

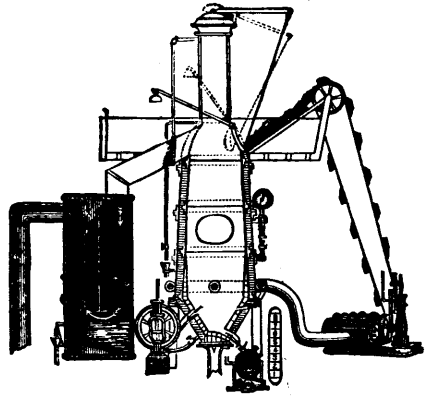
Address **CHROME STEEL WORKS, BROOKLYN, N.Y., U.S.A.**
SEND FOR ILLUSTRATED CIRCULAR.

S. H. KOHN, Proprietor. **C. P. HAUGHIAN, Supt.**

When ordering send rough sketch with dimensions.



The engraving represents the **Hartsfeld Transportable Water Jacketed Smelting Furnace, Metal Dust Condenser and a Separator Crucible**, manufactured by the



HARTSFELD

PORTABLE SMELTING FURNACE & MINING CO.
NEWPORT, KENTUCKY, U.S.A.,

In sizes from 5 to 60 ton capacity, and by the following licensed manufacturers on Royalty:
IMRAY & CO., London, Eng., and Melbourne Australia.

F. A. HUNTINGTON & CO., Chihuahua, Mexico.

PARKE, LACY & CO., Auckland and Chili, S.A.

W. T. GARRATT & CO., San Francisco, Cal. for the Pacific Coast.

McILVAIN & SPIEGEL, Cincinnati, Ohio.

Letters Patent have been secured in all principal foreign countries, and are sold in shares, trade, royalty or otherwise. Run your eye over this and return answer; silence means no! Catalogue free.

This furnace requires no more care or attention than an ordinary steam boiler, and can be run as long and with as little loss of time or expense for repairs. Full information will be furnished by the

Hartsfeld Portable Smelting Furnace & Mining Co.

P. O. Box 115, Newport, K.Y., U.S. of A.
Reduction Works, No 90 and 92 Thornton St

Rock and Ore Breakers or Crushers.

("THE BLAKE STYLE.")

This style of Rock Breaker after 15 years practical test at HOME and ABROAD has proved to be the BEST ever designed for the purpose of breaking all kinds of hard and brittle substances, such as QUARTZ, EMERY, CORRUNDUM,

GOLD AND SILVER ORES,

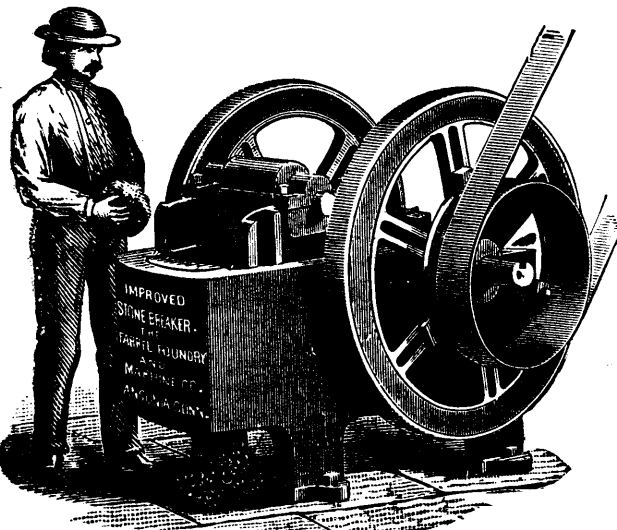
ASBESTOS, COAL, PLASTER, IRON ORES, MANGANESE, OCHRE, COPPER, TIN and LEAD ORES. Also for making RAILROAD BALLAST and CONCRETE.

MR. S. L. MARSDEN, who for the past twenty years has been connected with the manufacture of the "Blakes Crusher," New Haven, superintends the construction of this machine. Awarded GOLD MEDAL at the Massachusetts Mechanics' Association, 1881, and SILVER MEDAL (special) American Institute, 1882.

ADDRESS:
FARREL FOUNDRY & MACHINE CO.,

SOLE MANUFACTURERS,

ANSONIA, CONN., U.S.A.



DUK'S IMPROVED ELEVATOR BUCKET

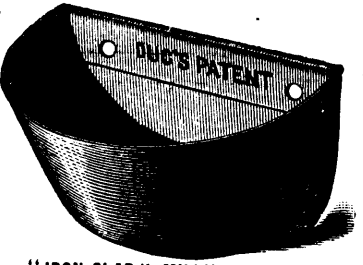
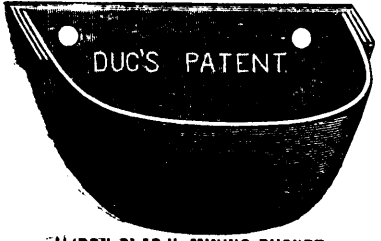
A SPECIALTY.
THE IRON CLAD MINING BUCKET,

Back and Front made from Nos. 12, 14 and 16 gauge STEEL according to size.

Double Riveted Improved Back.

THE MILLING BUCKET,

NO CORNERS TO CATCH AND ONLY ONE SEAM.



"IRON CLAD" MINING BUCKET.

"IRON CLAD" MILLING BUCKET.

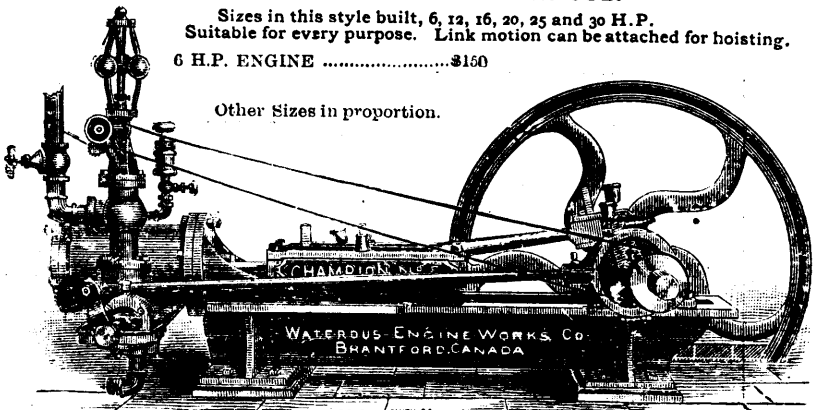
ADDRESS FOR CIRCULARS **IRON CLAD MANUFACTURING CO., 22 CLIFF ST., NEW YORK, U.S.A.**

THE CHEAPEST THOROUGHLY GOOD ENGINES BUILT!

OVER TWELVE HUNDRED IN USE.

Sizes in this style built, 6, 12, 16, 20, 25 and 30 H.P. Suitable for every purpose. Link motion can be attached for hoisting.
6 H.P. ENGINE\$150

Other Sizes in proportion.



WATEROUS ENGINE WORKS CO.
BRANTFORD, CANADA

ROLPH. SMITH. C.

HEAVY Stationery Sawmills of all capacities. Portable Sawmills our specialty. Shingle and Wood-working Machinery, Grain Choppers, and Champion Fire-Proof Farm Engines. Send for Circular, stating your wants.

EASTERN OFFICE - 154 ST. JAMES STREET, MONTREAL.

WATEROUS ENGINE WORKS CO., BRANTFORD and WINNIPEG.

MINERS WANTED.

50 Good Miners 50 Wanted.

Wages \$1.25 per day; regular board, \$3.00 per week.

For further particulars apply to
A. H. DeCAMP,
Supt. Oxford Gold Mines,
MUSQUODOBUIH HARBOR, NOVA SCOTIA

WANTED.

FIFTY EXPERIENCED MINERS.
Wages, \$1.25 to \$1.35 per day; board, 3.00 per week.

For further particulars apply to
M. R. DISOSWAY,
Supt. Essex Gold Mining Company,
TANGIER, NOVA SCOTIA.



Notice to Contractors.

SEALED Tenders addressed to the undersigned, and endorsed "Tender for Infantry School, London," will be received at this office on the **MONDAY, 29th proximo**, for the several works required in the erection and completion of

Infantry School, London, Ont.

Plans and specification can be seen at the Department of Public Works, Ottawa, and at the office of Messrs. Durand & Moore, Architects, London, Ont., on and after Monday, 15th proximo.

Persons tendering are notified that tenders will not be considered unless made in the printed forms supplied, and signed with their actual signature.

Each tender must be accompanied by an accepted bank cheque, made payable to the order of the Honourable the Minister of Public Works, equal to five per cent. of the amount of the tender, which will be forfeited if the party declines to enter into a contract when called upon to do so, or if he fails to complete the work contracted for. If the tender be not accepted the cheque will be returned.

The Department does not bind itself to accept the lowest or any tender.

By order,
A. GOBEIL,
Secretary.

Department of Public Works,
Ottawa, 24th Feb., 1886.