

A HANDY PROSPECTOR'S FURNACE.

The attention of Prospectors and Miners is called to the merits of a new improved apparatus for testing and smelting various kinds of ores and minerals, such as gold, copper, nickel, silver and lead ores, refractory and compound ores.

This furnace is designed and constructed by and for a prospector, who requires a serviceable furnace, easily transported over a mountainous country by a pack animal; that is complete and ready, and can be set up at any dump of low grade ores that otherwise will not pay to ship with profit, and make a good day's pay out of one to two tons of ore every day.

To judge the price (\$125) for such an outfit—of a *Cupola Smelter, knock-down bottom type*, with extension when smelting ores, made of No. 10 steel plates, with slag and metal spouts, rotary steel blower, countershaft with geared pulley for blast supply, by either water, steam, or hand power; with three graphite crucibles, three steel ladles, six furnace steel bars and tools, only weighing complete 1,285 pounds—when the prospector can determine the value of one ton of the ore in a five-hour heat by the output of the bullion.

With a little ordinary intelligence of the average prospector, this 5x3 feet inside diameter little smelter, run on low grade ores, will not only pay for itself every week, but it will convince the skeptic beyond redemption who does not believe with us that the little smelter must come to the ore.

The fact that a great many of these *cupola type* smelters are now being adopted throughout the western mining districts, and all giving entire satisfaction, is sufficient recommendation for the sudden demand as an absolute necessity to every prospector, mine owner, mill man, sampling works, or mining company.

Full and complete instructions go with the outfit, which give mode of treatment of different ores, directions as to setting up and starting smelter, fuel, fluxing material, and general smelting operations.

A small size *Prospector's Furnace* (2x4 ft.) of $\frac{1}{2}$ -ton capacity per five-hour heat, costs only \$65, and weighs 650 pounds, same number of tools, with blower, etc., designed for the poor prospector who feels unable to purchase the larger smelter outfit. Refractory gold and silver ores and compound ores assayed and reported on.

FOR FURTHER INFORMATION ADDRESS

National Ore & Reduction Co.,

5726 Cheltenham Avenue,

ST. LOUIS, MO.,

MANUFACTURERS OF

FURNACES FOR NICKEL, COPPER, GOLD, SILVER AND LEAD ORES

ENGINEERS & CONTRACTORS FOR EQUIPMENTS OF CALORIC & CHEMICAL REDUCTION WORKS.

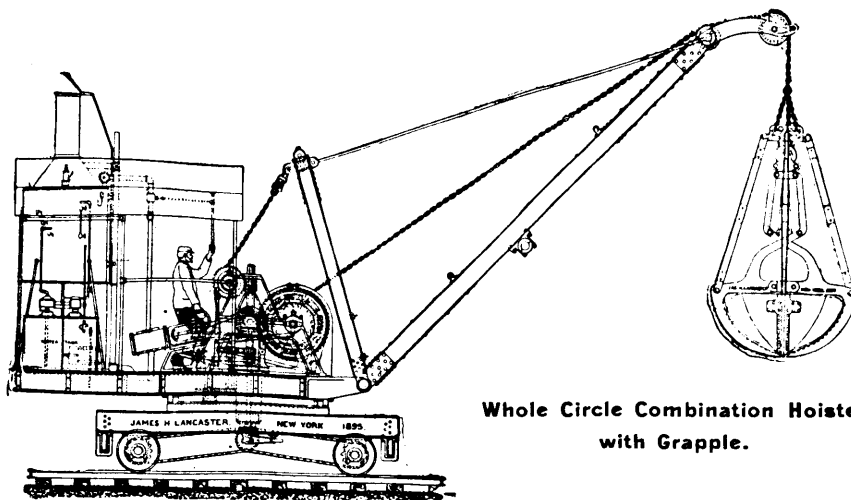
THE LANCASTER COMBINATION HOISTER

Works Grapple, Steam Shovel, Pile Driver and Crane.

FOUR MACHINES
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Whole Circle Combination Hoister
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LARGE CAPACITY,
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PLACER GOLD AMALGAMATORS, Duplex and Alternating Riffles and Amalgamators, Mining Dredges, Washers and Screens, Steam Shovels, Pumps, Clam Shell Buckets, Grapples, Coal and Ore Handling Plants, Rock and Ore BREAKERS, Granulators, Combined Crusher, Screens and Rolls (superseding Stamp Mills). Special plants of all kinds, capacities and powers designed and promptly built.

Catalogues, prices and testimonials on application.

JAMES H. LANCASTER.

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