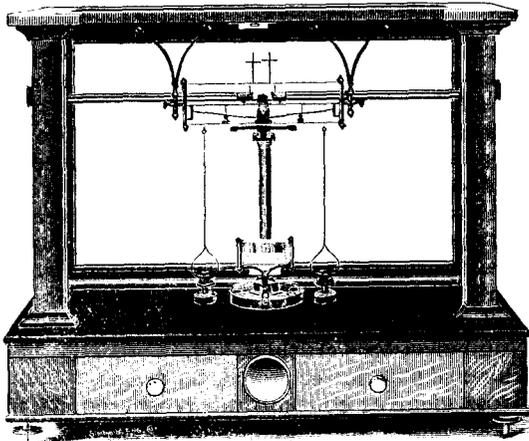


A NEW BALANCE.

THE accompanying illustration is of a new precision balance with five-inch beam recently placed upon the market by Wm. Ainsworth & Sons, balance makers, of Denver, Colo., U.S.A.



The counterpoised sliding door has been removed to better illustrate the instrument.

This balance is of the latest approved construction, with "fall away" pan rests and yokes, having agaye contacts throughout there being no metal contact points with the beam or hangers.

A plate glass sub-base covers the entire base and all metal work is gold plated. The case is of mahogany, French polished, with two drawers in base and counterpoised sliding door.

The beam, which is made of a new palladium alloy having a tensile strength of from 80,000 to 90,000 pounds, is divided into fifty parts each side of the centre for the use of half a milligramme or one milligramme rider and there being no obstruction on the top, the rider may be placed at any point from the centre to the last division on either end.

Cylindrical reading glasses are provided for reading the beam and the index and the latest improved rider apparatus with rod locks is furnished.

This balance has been designed for especially accurate weighings such as "control" and "umpire" assays and for the most accurate work in scientific and chemical laboratories, balances of this general construction having been furnished sensitive to 1.1000 milligramme.

The Simplest, Most Economical and Most Effective Concentrator Known.

The Wilfley Ore Concentrator Syndicate, Limited.

32 OLD JEWRY, E.C. LONDON.

Beg to call the attention of Mining Engineers, Mine Superintendents and Managers, Machinery Dealers, and all connected with the Mining Industry to

THE "WILFLEY" TABLE

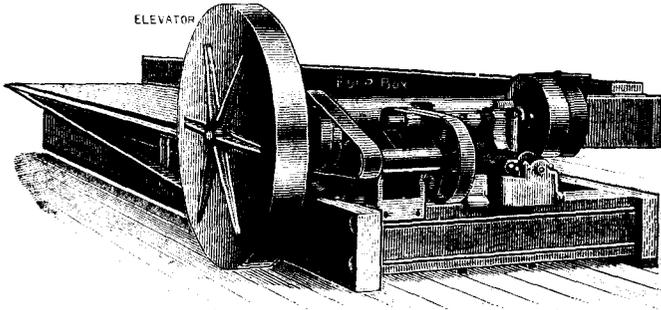
The following strong claims are put forward for the "WILFLEY," and will be found more than fully substantiated in actual working:

1. Simplicity of construction. No expensive wearing parts. No belt renewals. Nothing to get out of order. Practically no repairs.
2. Facility of adjustment to all ores treated. Once adjusted it needs but a minimum of attention.
3. Its wonderful capacity. Will handle three to five times as much material as any belt table made.
4. Reduction of maintenance charges. No skilled labour required. Reduction in initial outlay, as smaller number of parts are needed.
5. The ore particles being separated into distinct streaks a complete separation of the different minerals contained is effected.

The "WILFLEY" has only been on the market some eighteen months, yet in that time nearly 800 have been sold, and are in use in 200 mines, which speaks volumes for the rapid and favorable recognition it has been accorded.

The most flattering Testimonials have been received. The "WILFLEY" can be seen in operation by appointment at the offices of the Syndicate, 32 Old Jewry, London, E.C.

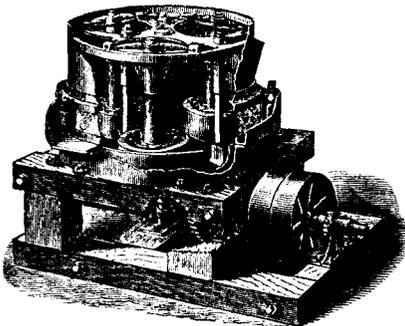
Samples of Ore, 50 lb. to 1 cwt., tested free of charge. Correspondence invited.



Descriptive Catalogue sent post free on application.

TELEGRAPHIC ADDRESSES. - "Wrathless, London."

The Huntington Centrifugal Roller Quartz Mill.



The Huntington Mill is so well and favorably known among mining men throughout the world that any description of it would seem superfluous. They are in use in the United States, Canada, Mexico, Central and South America, Australia, China, Japan, and South Africa. In fact, wherever mines exist, and have given the best satisfaction of all quartz crushing mills.

The construction of this mill has lately been much improved and we claim it to be the

Cheapest, Most Efficient, Simplest and Most Durable Mill upon the Market.

F. A. HUNTINGTON, MANUFACTURER OF Centrifugal Roller Quartz Mills.

Mining Machinery of Every Description. Steam Engines. Shingle Machines.

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