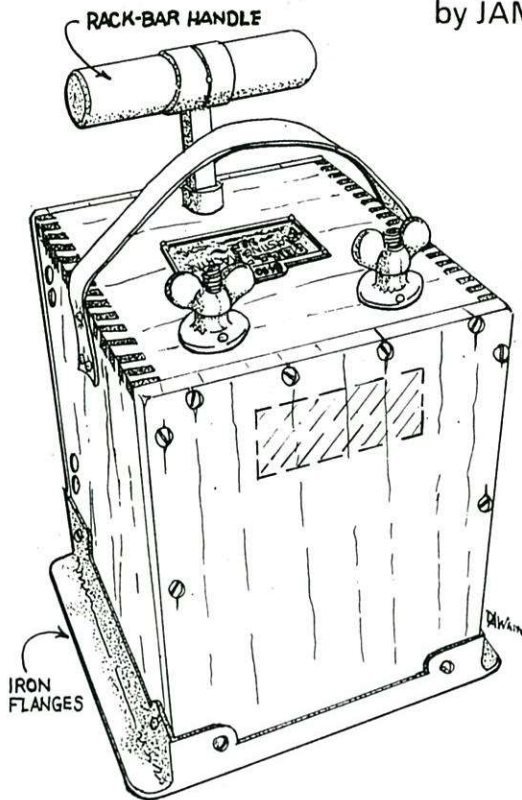


The "Pull-Up" Blasting Machine by Don and Dave White

What made the "Pull-Up" unique, was that it fired on the UP stroke, rather than the conventional down stroke we're so used to seeing.

The "Pull-Up" was Patented April 11, 1893 and manufactured by JAMES MACBETH & CO., New York City, New York.



Made in three sizes:

- No. 3 (Illustrated) - Fired 20 to 30 holes
- No. 4 - Fired 40 to 50 holes
- No. 5 - Fired 75 to 100 holes

To fire the "Pull-Up," you stand on the projecting iron flanges at the base with both feet, then pull up on the rack-bar handle quickly with both hands (the quicker the stroke, the more current is generated). Once the charge is detonated, you released the handle, and the rack-bar drops back into place.

No. 3- wood box dimensions.
7 1/2" W X 10 3/4" H X 9" D



Cast brass ID plate (shown 1/2 size)

JAMES MACBETH & CO., produced their "Pull-Up" machine for powder manufacturers of the time, such as The AETNA Powder Co., and others. These machines have an additional I.D. plate mounted to the front (see shaded area in illustration) to identify the powder company.

No. 3 (illustrated) - from the White Bros. collection.