

H. R. WARD.
BUCKWHEAT CLEANERS.

No. 179,374.

Patented June 27, 1876.

Fig. 1.

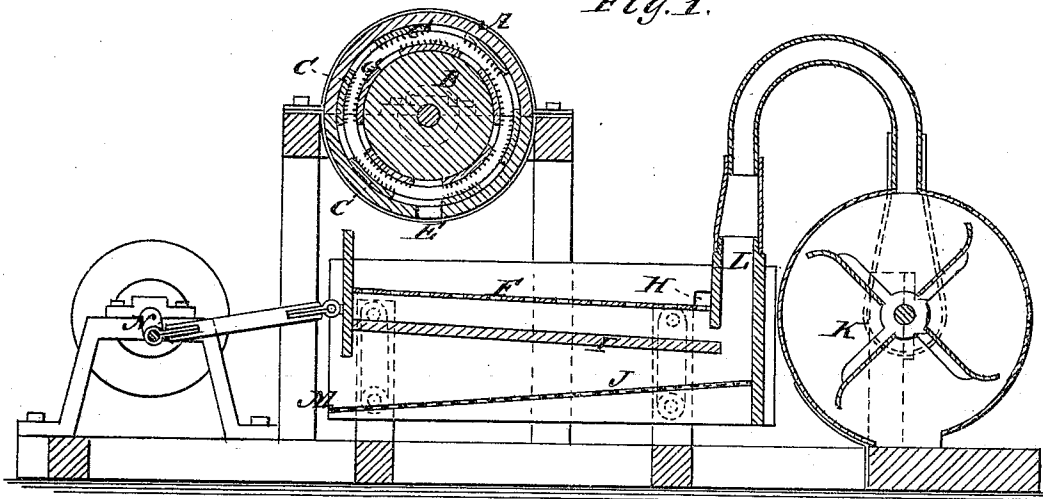
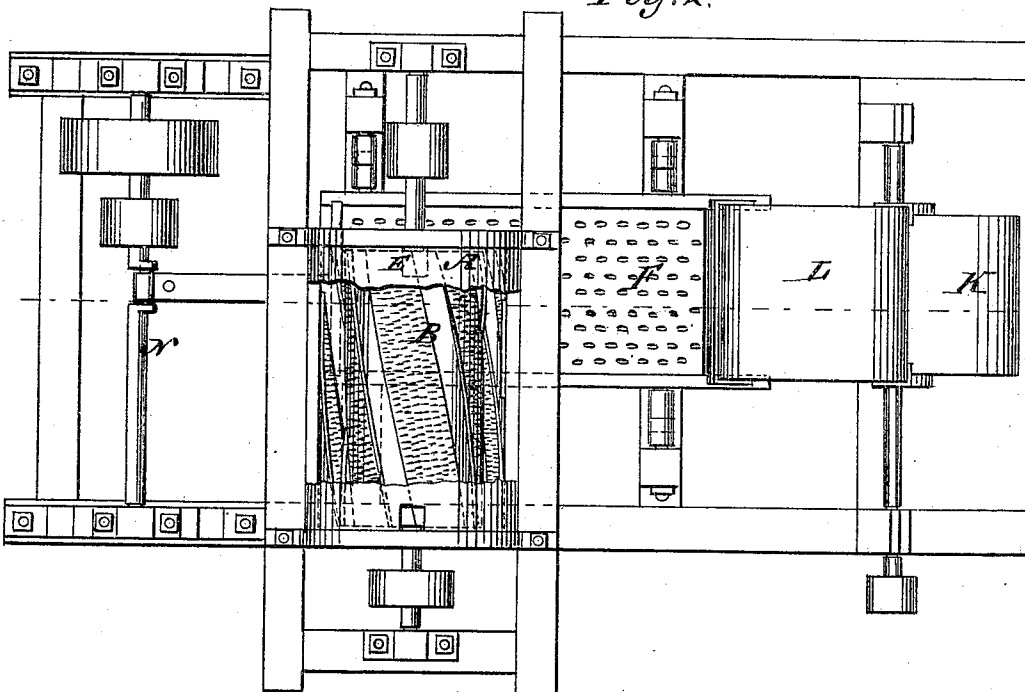


Fig. 2.



WITNESSES:

C. Wolff
John Goethals

INVENTOR:

H. R. Ward

BY

Wm. H. Ward

ATTORNEYS.

UNITED STATES PATENT OFFICE.

HARKER R. WARD, OF LOVETON, PENNSYLVANIA.

IMPROVEMENT IN BUCKWHEAT-CLEANERS.

Specification forming part of Letters Patent No. **179,374**, dated June 27, 1876; application filed March 25, 1876.

To all whom it may concern:

Be it known that I, HARKER ROY WARD, of Loveton, in the county of Wyoming and State of Pennsylvania, have invented a new and useful Improvement in Buckwheat-Cleaning, of which the following is a specification:

The invention consists of a horizontal concave and cylinder, respectively armed with spirally-arranged strips of clothing, as hereinafter described.

Figure 1 is a longitudinal sectional elevation of my improved machine, taken on the line *xx* of Fig. 2. Fig. 2 is a plan view, with a part of the concave shown in section.

Similar letters of reference indicate corresponding parts.

A is the hollow cylinder or concave, and B the revolving cylinder inside of it, both horizontally arranged, and respectively armed with strips of card-clothing C, spirally arranged, for detaching the matters not taken off by the hulling-stones, after which the grains, together with the detached matters, escape through the opening E to the sieve F, which discharges the light coarse matters at the spout H, while the grains fall through

onto the board I, by which they are delivered to the head of screen J, from which the light matters are taken up by the fan K, through the suction-flue L, and the grain passes off at M to the flouring-stones. The sieve and screen have a shaking motion imparted by the crank-shaft N.

The essential function of this machine is to act upon the grain after it has been treated by the hulling-stones, to detach the matters not removed from the grains by them, and separate them along with the hulls detached in the hulling process.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination of the horizontal concave A and cylinder B, armed, respectively, with strips of card-clothing, arranged spirally thereon, substantially as and for the purpose specified.

HARKER ROY WARD.

Witnesses:

I. F. WARD,
GRANT BURGESS.