

WHITEROW & DETRICK.

Corn Sheller.

No. 87,811.

Patented March 16, 1869.

Fig. 1

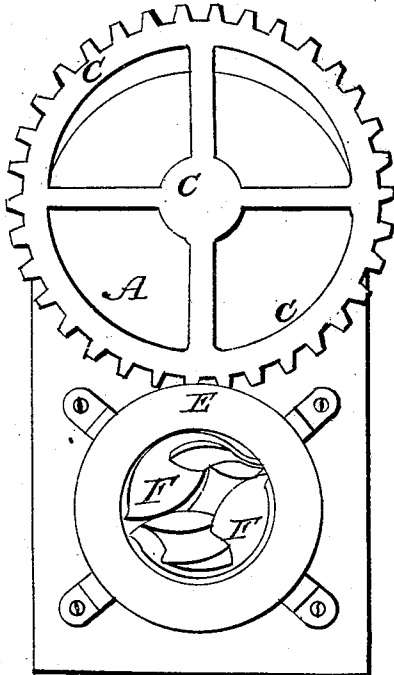


Fig. 2

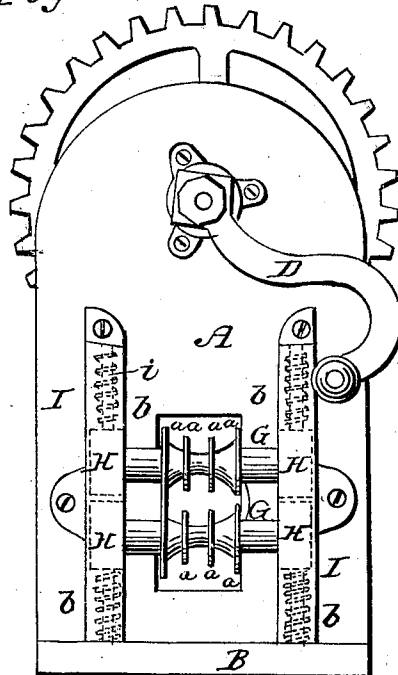


Fig. 3

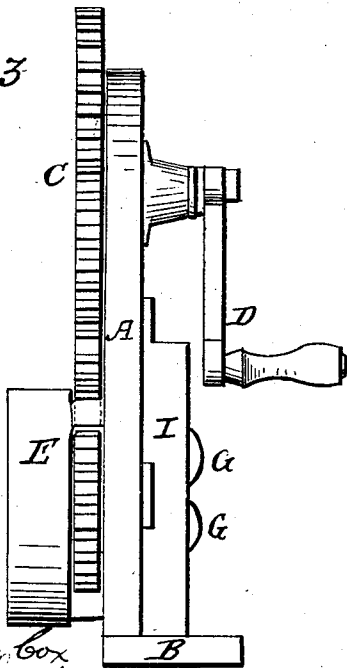
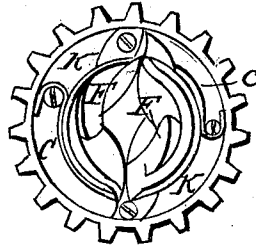


Fig. 4



WITNESSES

Cornelius Cox
Leopold Lamb,

INVENTOR

W. H. Whiterow
Wm. Detrick
per Alexander Mason
atty



W. H. WHITEROW AND WILLIAM DETRICK, OF NEW ALBANY,
INDIANA.

Letters Patent No. 87,811, dated March 16, 1869; antedated March 2, 1869.

IMPROVEMENT IN CORN-SHELLERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that we, W. H. WHITEROW and WILLIAM DETRICK, of New Albany, in the county of Floyd, and in the State of Indiana, have invented certain new and useful Improvements in Corn - Shellers; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of our invention consists in the construction and general arrangement of a corn-sheller, by which corn may be shelled with perfect ease, and more rapidly than by any other now in use.

In order to enable others skilled in the art to make and use our invention, we will now proceed to describe its construction and operation, referring to the annexed drawings, which form a part of this specification, and in which—

Figure 1 is a front view,

Figure 2, a rear view,

Figure 3, a side view, and

Figure 4, an inside view of the shellers.

A represents an upright standard, which rests on the bed-piece B.

On the upper part of said standard is a cogged driving-wheel, C, which is turned by means of a crank, D, on the rear side.

Below the said cogged wheel is a round opening through the standard, in which is a metal ring, projecting on its front side, around which a smaller cogged wheel, K, revolves, so as to be turned by the driving-wheel C.

On the wheel K, the shellers F F are placed.

These shellers consist of a round rim, provided each with lips and a flange, so arranged as to form a cutting-screw, to cut off the corn from the cob.

Each of these shellers is pivoted at one end, and held by a spring, c, so that they can give as the corn-cob advances through the machine.

The wheel K and shellers F F are covered with a tin fender, E, to keep the corn from scattering.

On the rear of the standard A are two upright boxes, I I, placed, one on each side of the opening through which the cob passes.

In these boxes are blocks H H, two in each box, meeting in the centre, and provided with pins *i i*, running through the top and bottom of said boxes, and around these pins are spiral springs *b b*, which hold the blocks in proper position, but at the same time allow them to separate when necessary.

In these blocks the journals for the rollers G G have their bearings. These rollers being placed in a recess on the back of the standard, opposite the opening mentioned, are wider at the ends than at the centre, and are provided with rings *a a*, so that when the cob passes through the opening on the standard, the rollers will catch it, and prevent it from turning, and at the same time open far enough to allow it to pass out.

The ear is held by the hand until the cob enters between the two rollers on the back; then let go the ear and keep on turning the crank, and the cob will still travel through till it leaves the shellers, and then the next ear forces the first one out.

The above-described device is intended as an improvement upon our patent on corn-shellers, bearing date, August 11, 1868.

What we claim as new, and desire to secure by Letters Patent, as an improvement upon said patent, is—

The combination of the frame A, wheel C, cog-wheel K, shellers F F, as constructed, with fender E and rollers G G, with rings *a a* lying horizontally between the vertical boxes I I, with blocks H H, springs *b b*, and pins *i i*, all constructed and operating as herein described.

In testimony that we claim the foregoing, we have hereunto set our hands, this 13th day of June, 1868.

W. H. WHITEROW.
WILLIAM DETRICK.

Witnesses:

JAMES N. PAYTON,
J. C. JOCELYN.