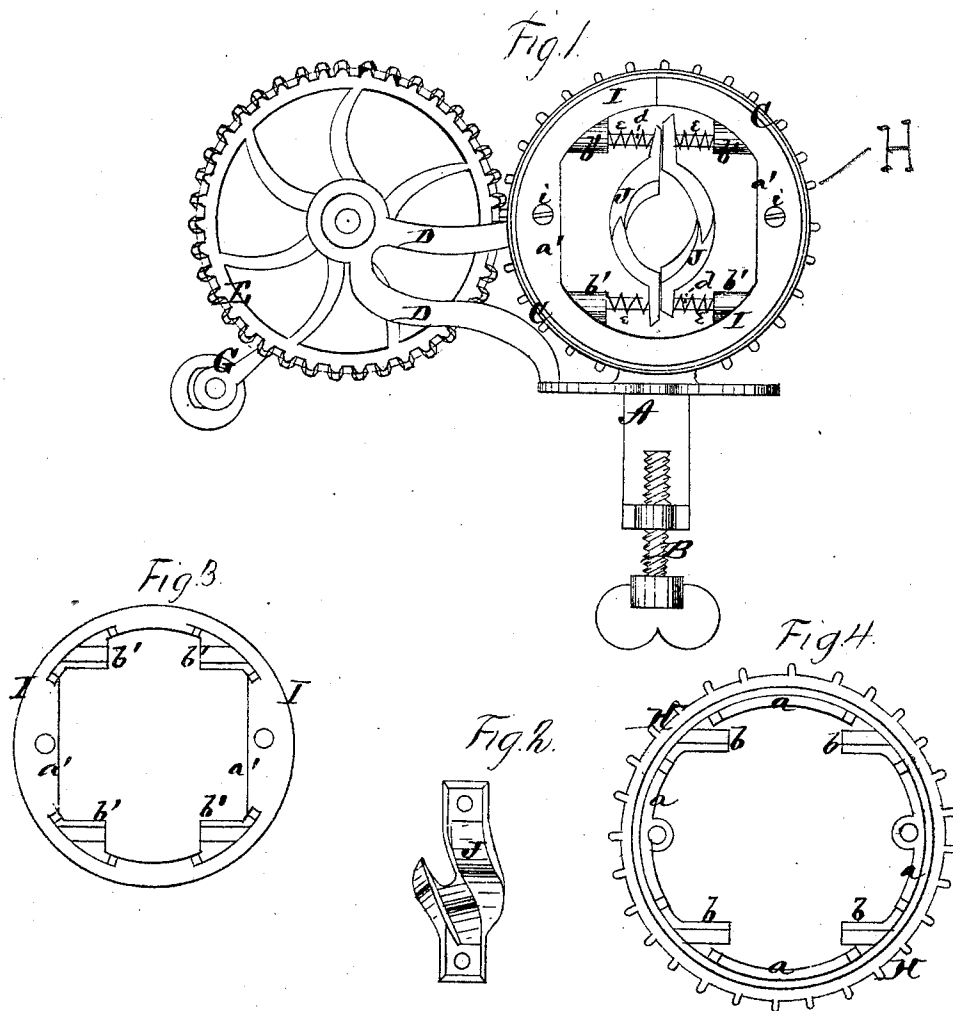


[2.]

DAVID C. GUTTRIDGE.
Corn Sheller.

No. 118,605.

Patented Aug. 29, 1871.



Witnesses
Jas O Hutchinson
C. L. Evert.

Inventor
David C. Guttridge.
per
Charles Mason
attyp.

UNITED STATES PATENT OFFICE.

DAVID C. GUTTRIDGE, OF PITTSBURG, ASSIGNOR OF ONE-THIRD OF HIS RIGHT TO CHARLES BALLINGER, OF WILKESBARRE, AND ONE-THIRD TO ROBERT SMILEY, OF SOUTH PITTSBURG, PENNSYLVANIA.

IMPROVEMENT IN CORN-SHELLERS.

Specification forming part of Letters Patent No. 118,605, dated August 29, 1871.

To all whom it may concern:

Be it known that I, DAVID C. GUTTRIDGE, of Pittsburg, in the county of Allegheny and in the State of Pennsylvania, 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 drawing and to the letters of reference marked thereon making a part of this specification.

The nature of my invention consists in the construction and arrangement of a corn-sheller, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a rear view of my sheller. Fig. 2 is a view of one of the jaws. Figs. 3 and 4 are detached views of the circles which hold the shelling mechanism.

A represents an ordinary clamp, with a screw, B, to fasten the machine to the edge of a table or other suitable place. The clamp A is cast in one piece with an upright ring, C, and arms D D, said arms inclining toward the rear, and are joined together at their outer ends, forming a bearing for a bolt, upon which a cog-wheel, E, is placed. This cog-wheel is provided with a crank, G, by means of which it is turned. Upon the front side of the stationary circle C is placed a cogged circle or ring, H, which gears with the cog-wheel E, and is upon its inner side provided with four flanges, *a a*, of such size and shape as to fit on the inside of the circle C and pass through

the same without projecting on the other side. Between these flanges are formed four half boxes or half bearings, *b b*, projecting inward, in which are laid two rods, *d d*. These rods pass through the ends of the shelling-jaws J J, which are constructed substantially as shown in Fig. 2, and are pressed inward by means of spiral springs *e e* surrounding the ends of the rods *d d*. I is a circle or ring placed on the rear side of the stationary circle C, and provided with four half boxes or half bearings, *b' b'*, corresponding with those upon the cogged circle H, so as to be placed on the ends of the rods *d d* and hold them in place. The ring I is also provided with two inwardly-projecting flanges, *a' a'*, each having a hole through them corresponding with holes in projections from two of the flanges *a a*, on the circle H. Screws *i i* are passed through these holes, thereby securing the circles H I, with the shelling mechanism, to the stationary circle C, at the same time as they may be revolved by the turning of the cog-wheel E.

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

The combination of the clamp A, screw B, stationary circle C, arms D D, cog-wheel E, revolving circles H I, and the shelling mechanism, all constructed and arranged substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 12th day of June, 1870.

D. C. GUTTRIDGE.

Witnesses:

JOHN THOMPSON,
JOSEPH SMITH.