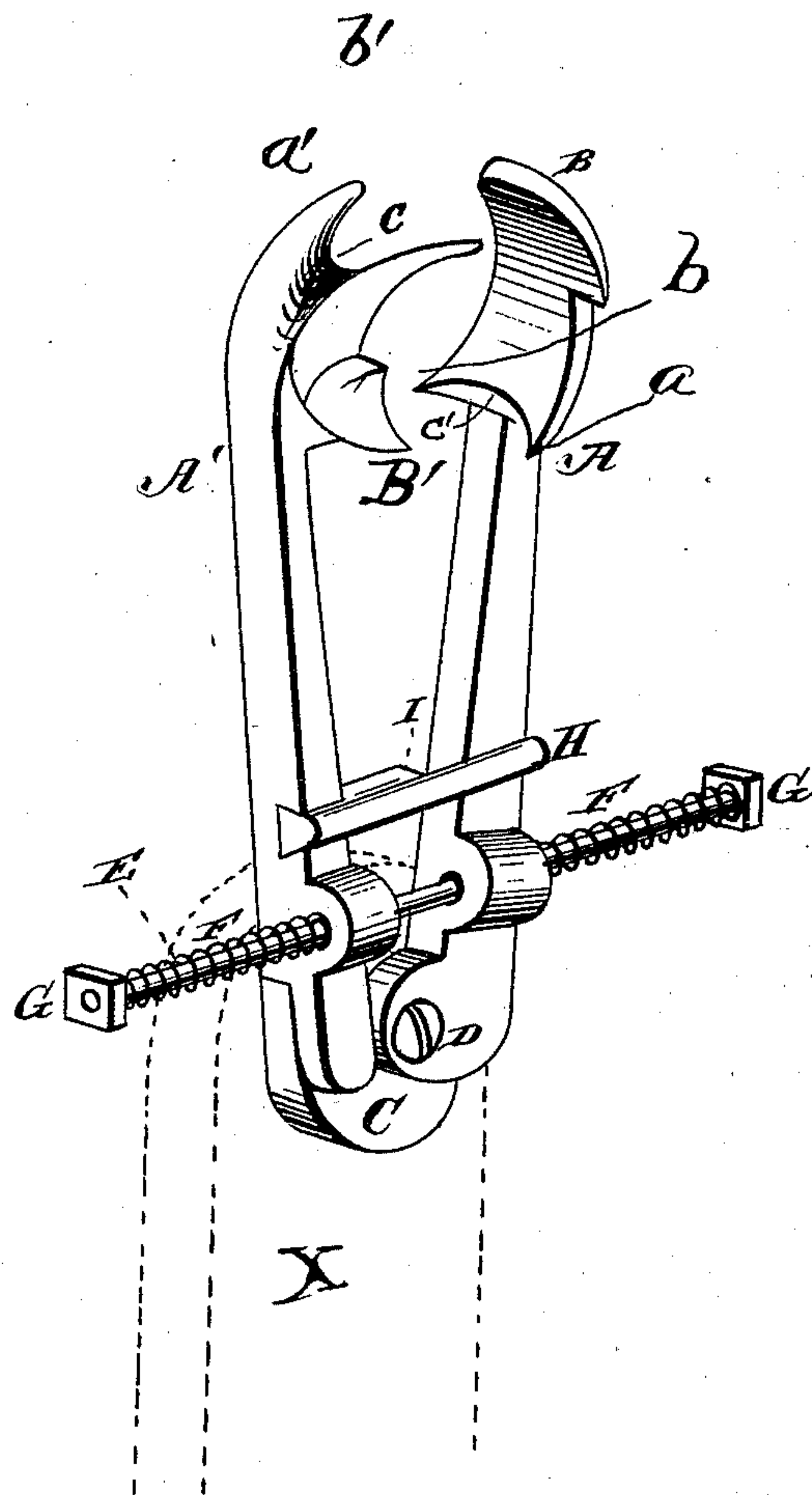


J. M. HAWLEY.  
Corn-Sheller.

No. 222,698.

Patented Dec. 16, 1879.



WITNESSES

*Robert Everett,*

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# UNITED STATES PATENT OFFICE.

JAMES M. HAWLEY, OF ODIN, ILLINOIS.

## IMPROVEMENT IN CORN-SHELLERS.

Specification forming part of Letters Patent No. **222,698**, dated December 16, 1879; application filed October 4, 1879.

*To all whom it may concern:*

Be it known that I, JAMES M. HAWLEY, of Odin, in the county of Marion and State of Illinois, have invented certain new and useful Improvements in Corn-Shellers; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing, making a part of this specification, and to the letters and figures of reference marked thereon.

The figure of the drawing is a representation of a perspective of my corn-sheller.

This invention relates to corn-shellers; and it consists in the improvements in the construction of the same hereinafter fully described, and particularly pointed out in the claims.

Referring to the drawing, A A' designate two expansible arms, provided with jaws having teeth B B', *a a'*, and *b b'*, which are adapted to shell the corn from the cob. These teeth are formed upon reversed semi-cylindrical or concave jaws, and the teeth B B' are constructed to enter recesses *c c'* in said jaws, so that the ear of corn may be clasped by the same when the device is manipulated.

The arm A' is formed at its rear end with a flat enlargement, C, which forms a bearing when the device is pivoted to the post X, upon which it works, and the arm A has a smaller enlarged portion, D, which is pivoted upon the part C of the other arm.

E designates a rod, which passes loosely through the arms A A' near the pivotal point, and F F designate coiled springs encircling the rod E and held in place by nuts G G at the extremities of the same, for the purpose of regulating the tension of the springs F F, the inner ends of which bear against the outer edges of the arms A A'.

H designates a short guide-bar, which may be either formed with or secured to one of the arms A A'. I prefer to have its fixed end upon the arm A', which carries the enlarged portion C, for by this construction a guard is formed for the arm A, and the enlargement C on arm A' is thus made to also maintain arm A in position.

The guide-bar H is provided with a shoul-

der, I, which prevents the arms A A' from coming so closely together as to bring the toothed jaws in contact.

In applying the above device to the top of a post centered in a tub or box to catch the shelled corn, the pivot of the arms A A' may be secured in the post. In this way the operator will hold the ear of corn between the toothed jaws, and operate the device like a crank until the corn is shelled from the cob.

I prefer, however, to pivot the arms to one side of a vertical post, X, and operate the device by a rocking movement or half-revolutions in a vertical plane, so that by a continuance of said operation the grains will be shelled from the cob. In this as well as in the other instance the device is to be located in a tub or box, which will receive the shelled corn, and a spout provided with a valve or slide may be employed to withdraw the grain from its receptacle.

What I claim, and desire to secure by Letters Patent, is—

1. In a hand corn-sheller, the pivoted arms A A', provided with curved jaws having teeth B B', adapted to partially enter recesses *c c'* between teeth *a a'* and *b b'*, the said jaws being in reversed positions, as shown, substantially as and for the purposes set forth.

2. In a corn-sheller, the arm A', provided with the flat enlarged portion C, and the arm A, having the smaller enlargement D, pivoted together and to the post X, and having the toothed jaws, combined and operating substantially as and for the purposes set forth.

3. In a hand corn-sheller, the pivoted arms A A', provided with toothed jaws and secured to the post X by a pivot, in combination with the guide-bar H, having the shoulder I, secured to the arm A', substantially as and for the purposes set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JAMES M. HAWLEY.

Witnesses:

C. L. ALEXANDER,  
JOHN H. RICHASON.