

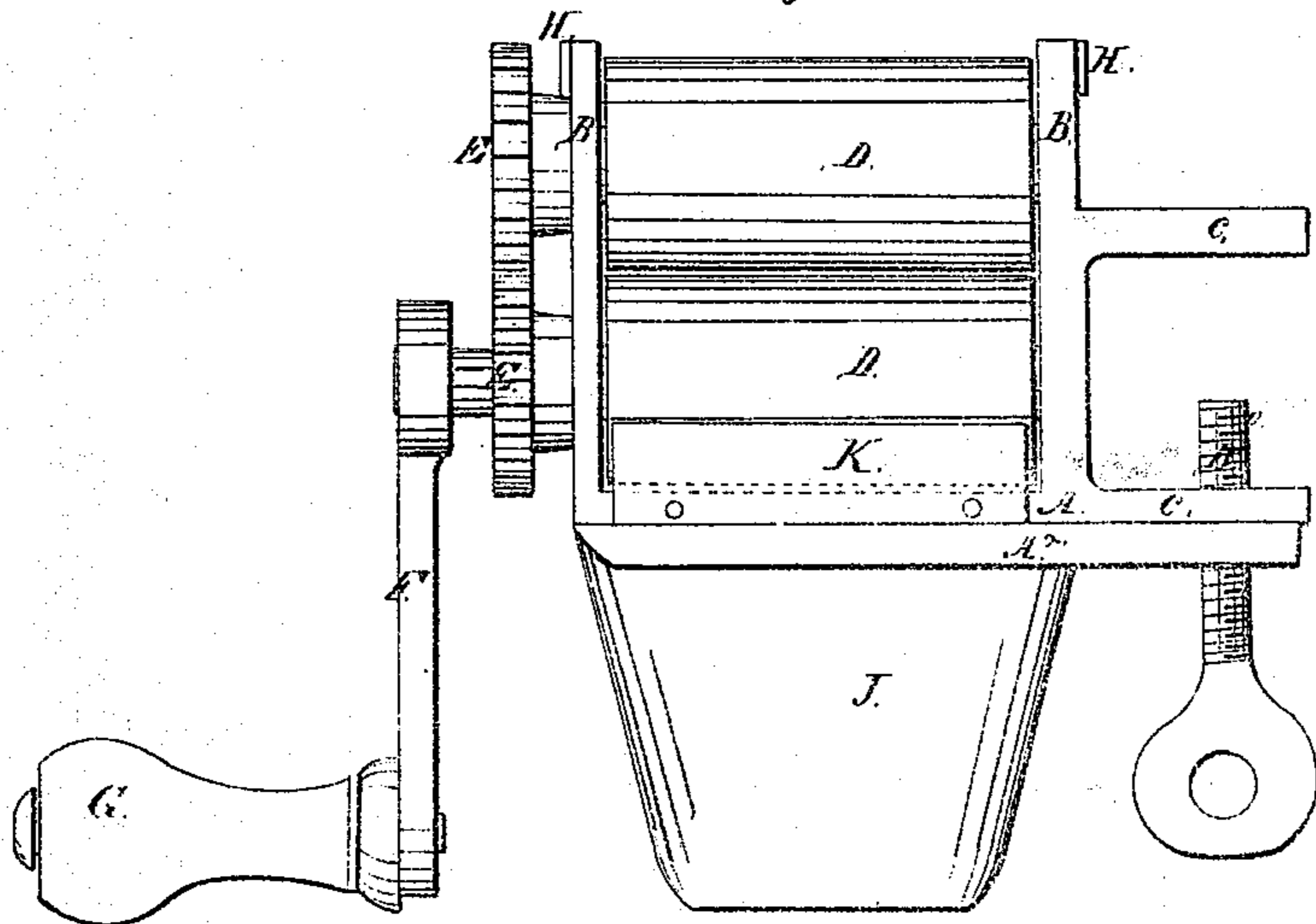
*W. Clark, Jr.*

*Pea Sheller,*

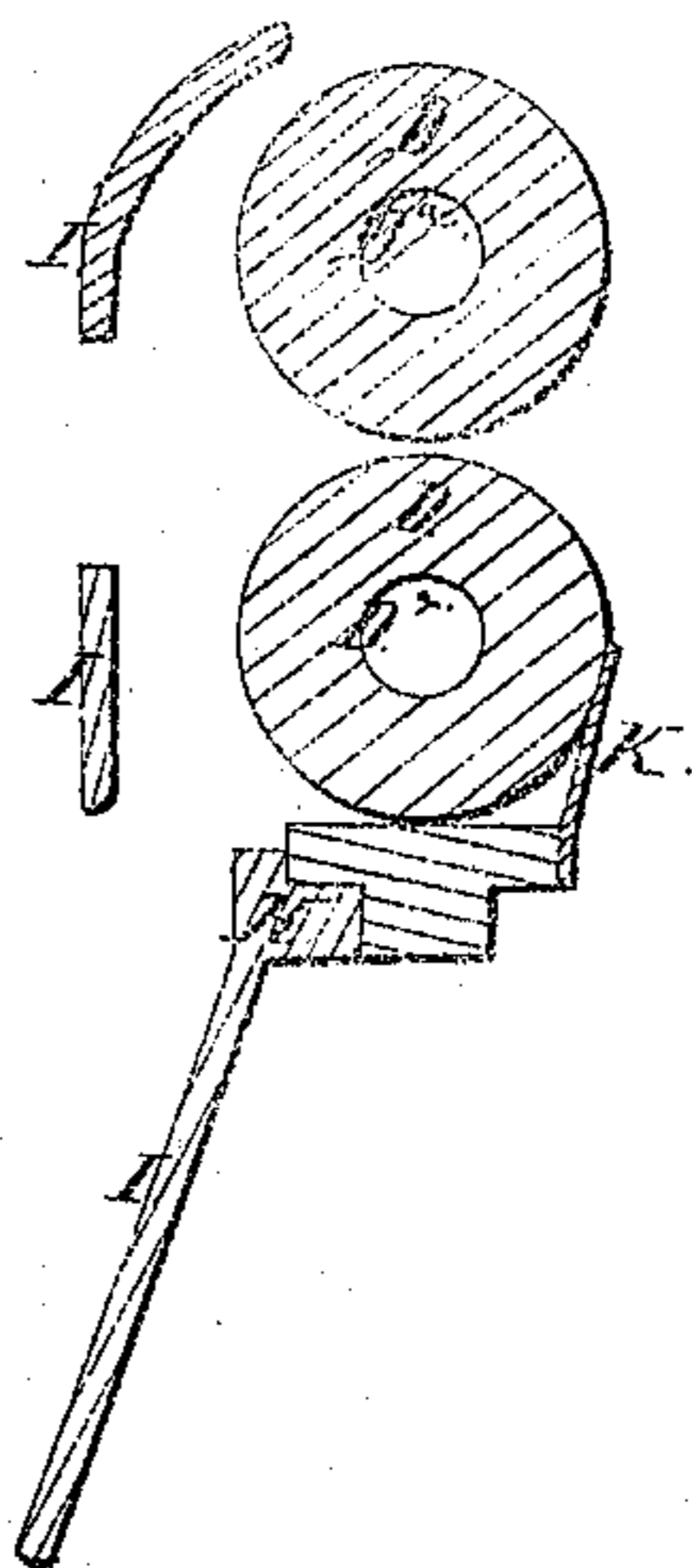
*No. 56,370,*

*Patented July 17, 1866.*

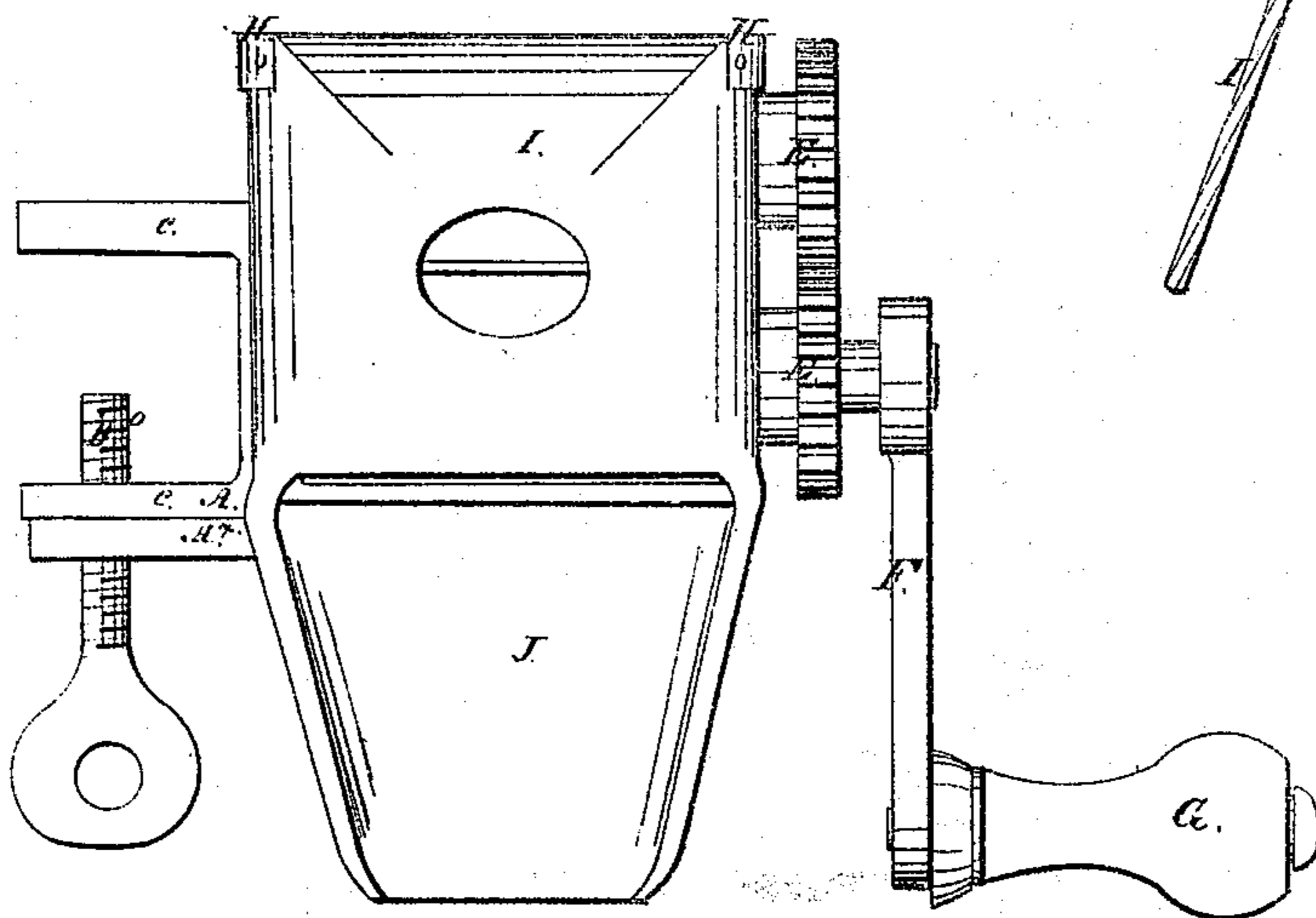
*Fig. 2.*



*Fig. 3.*



*Fig. 1.*



*Witnesses:*

*Lemuel P. Henry*  
*Thos B. Dill*

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# UNITED STATES PATENT OFFICE.

GEORGE CLARK, JR., OF BOSTON, MASSACHUSETTS.

## IMPROVEMENT IN MACHINES FOR SHELLING PEASE.

Specification forming part of Letters Patent No. 56,370, dated July 17, 1866.

*To all whom it may concern:*

Be it known that I, GEORGE CLARK, Jr., of Boston, Suffolk county, State of Massachusetts, have invented a new and Improved Machine for Shelling Pease and other Seeds from their Containing Pods; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, with letters of reference marked thereon, all of which, taken together, form my specification.

In the drawings annexed, Figure 1 is a front view of my machine. Fig. 2 is a view from the back; and Fig. 3 is a vertical section through the center.

In the drawings, A B B, Fig. 2, show a metallic frame consisting of a horizontal bar, A, with a strengthening-rib, A<sup>x</sup>, beneath, supporting two upright bars, B B, Fig. 2, which rise perpendicularly parallel to each other. To one of these upright bars or standards are attached two projections, C C, Figs. 1 and 2, projecting horizontally and placed about one and one-fourth inch apart. Through the under one of these projections passes perpendicularly a thumb-screw, D<sup>o</sup>, Figs. 1 and 2, the two projections and the screw forming thus a screw-clamp. The use of the screw-clamp is to fasten the machine to the edge of a table or shelf.

Supported by the uprights B B are two horizontal rollers, D D, Figs. 2 and 3, running parallel to each other. The shafts or pivots D<sup>x</sup>, Fig. 3, run through the center of them and work in circular bearings in the uprights B B. These rollers run within about one-sixteenth of an inch of each other.

To the shaft of each roller is attached a cog-wheel, E E, Figs. 1 and 2, and to the shaft of the lower roller is attached a crank, F, and handle G, Figs. 1 and 2. By the turning of this crank both rollers are made to rotate.

To the front of the frame (see Fig. 1) is attached what I call a "face-plate," being a metallic plate, I, Fig. 1, and I I, Fig. 3, fastened to the frame by means of the ears H H, Figs. 1 and 2, and H, Fig. 3. This plate runs perpendicularly in front of the rollers, at about the distance of three-fourths of an inch from them, (see Fig. 3,) and has in its center an oval aperture, (seen in Figs. 1 and 3,) and attached to its lower end a spout, J, Figs. 1, 2, and 3.

K, Figs. 2 and 3, is a plate, called the "scraper," fastened to the rear side of the frame on the bar A, its upper edge coming close to the lower rolls, as seen in Fig. 3.

The operation of the machine is this: The machine being screwed to the edge of a table by means of the screw-clamp, the rollers are made to rotate by means of the crank. The pea-pods meanwhile are fed with the other hand through the aperture of the face-plate. (Seen in Fig. 1.) The rotating rollers seize the end of the pod and, drawing the same between them, force the peas from their attachment to the pod, and as the peas, owing to their size, cannot pass between the rollers, they are forced out of the split pod, and being prevented from flying away and scattering by the face-plate, they fall downward and are guided by the spout beneath into some convenient receptacle placed beneath for that purpose. As the pods are somewhat crushed by the action of the rollers, they would be liable to adhere in portions to some extent on the rollers, more particularly the under one; but the scraper scrapes these portions off and prevents the clogging of the rollers.

I make my rollers either of wood, of metal, or of other substance, and I sometimes have them fluted and sometimes plain; and I make my frame and face-plate of either metal or wood, and I sometimes place them vertically or diagonally; and I sometimes combine several pairs of rollers in one machine; and I sometimes attach another spout to the rear side of the machine to convey away the pods; and I sometimes use the machine for shelling beans or other pod-contained seeds as well as peas.

What I claim herein as of my own invention, and desire to secure by Letters Patent, is—

The combination of rotating rollers, face-plate, and screw-clamp, whether with or without the scraper, for the purpose of expressing peas and other seeds from their containing-vessels, when the same are constructed and used substantially as described.

GEO. CLARK, JR.

Witnesses:

LEMUEL P. JENKS,  
THOS. B. DILL.