

S. J. WASTERBARG.

Hand Seeder.

No. 25,595.

Patented Sept. 27, 1859.

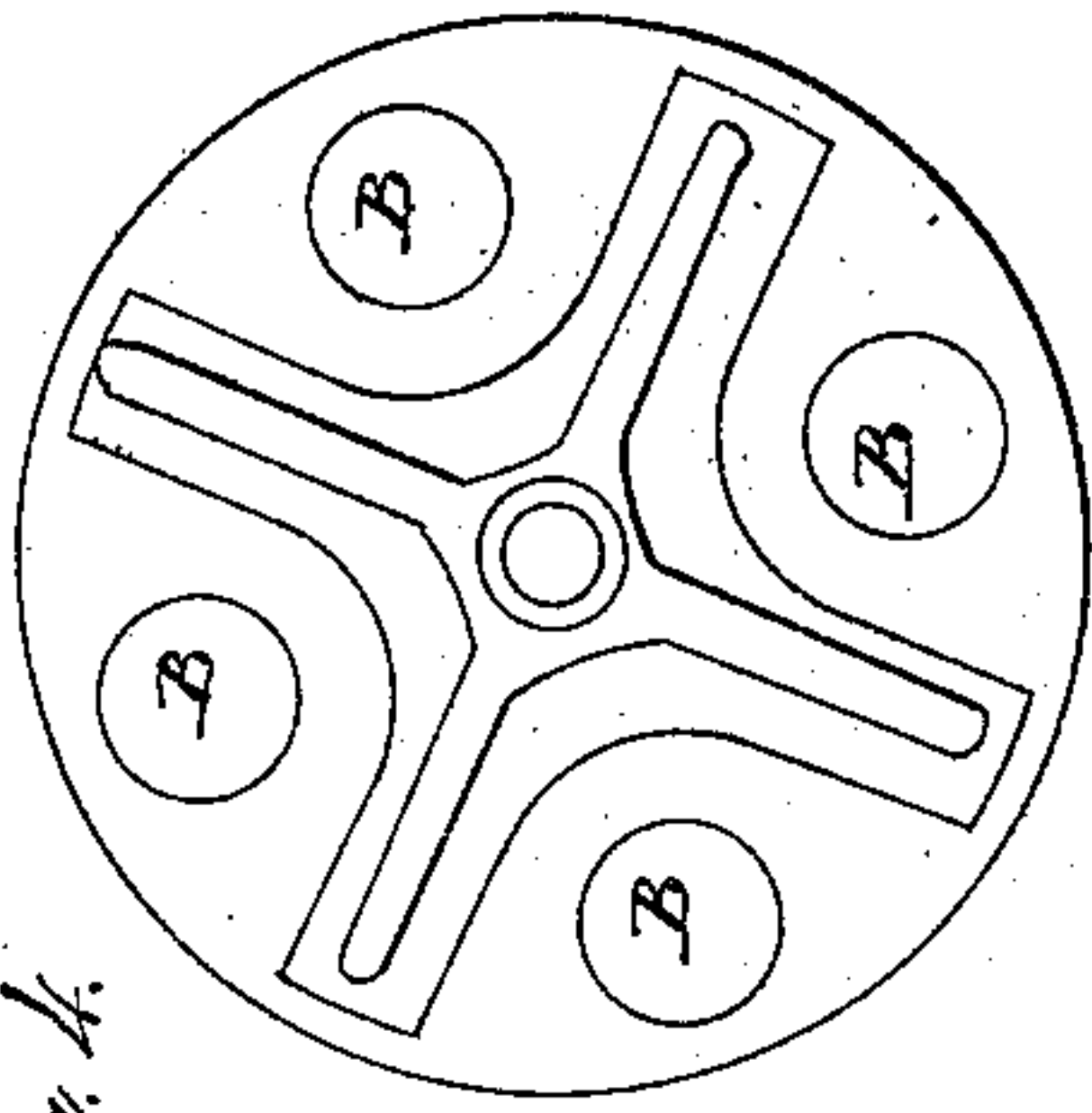


Fig. 4.

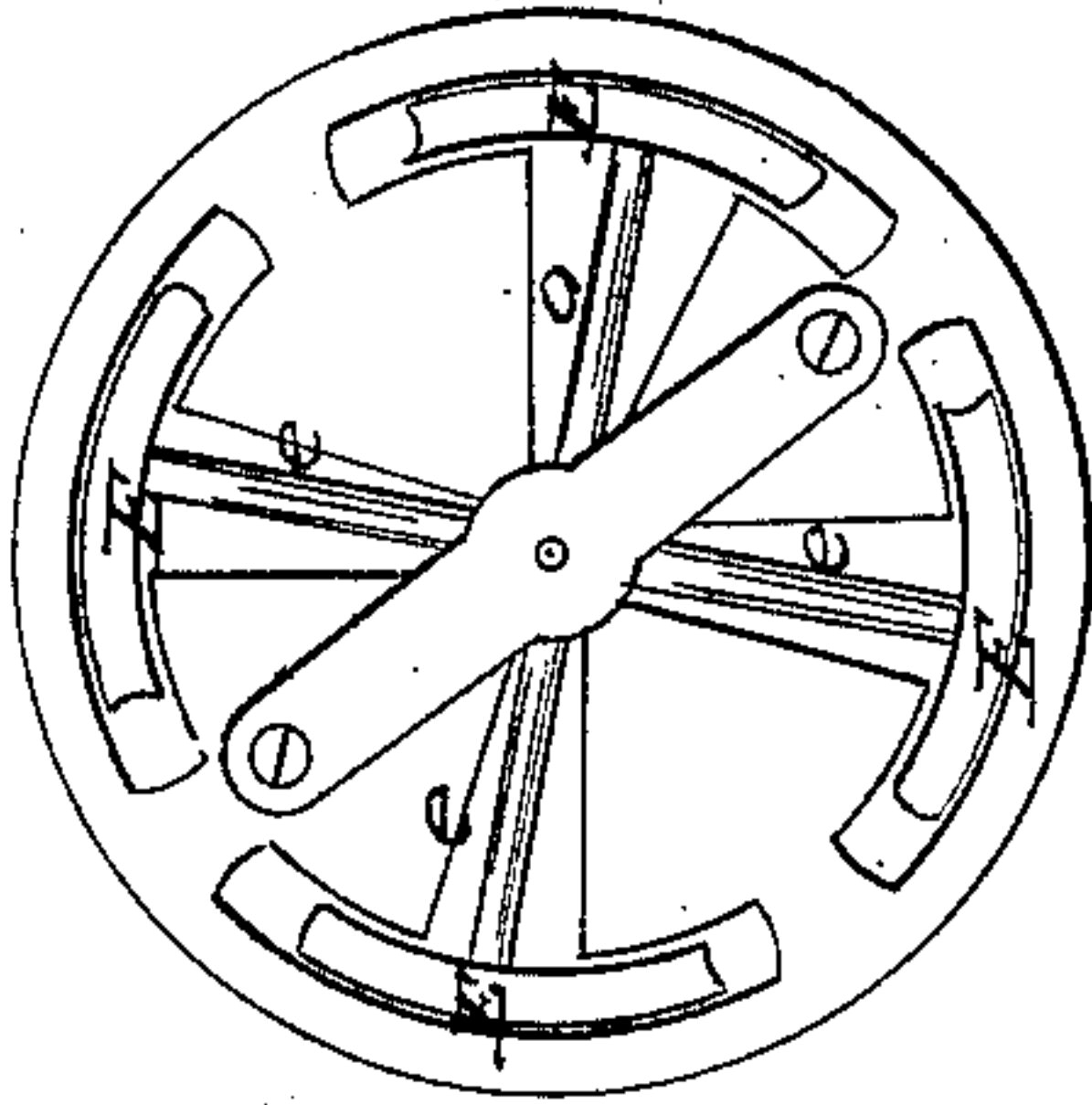


Fig. 3.

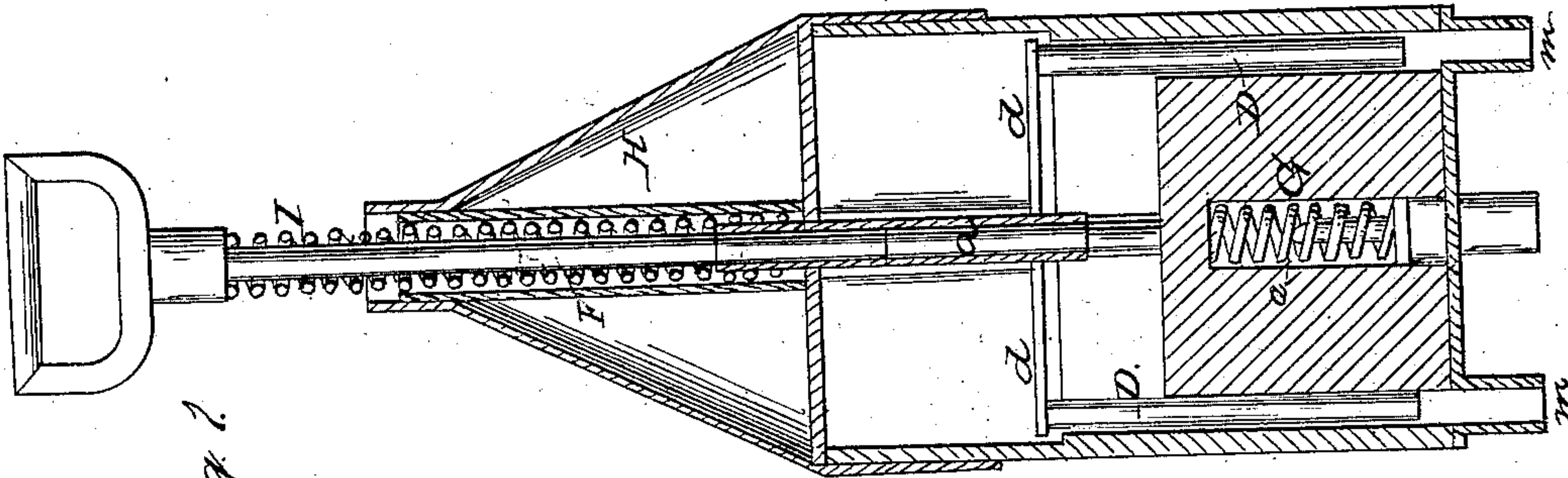
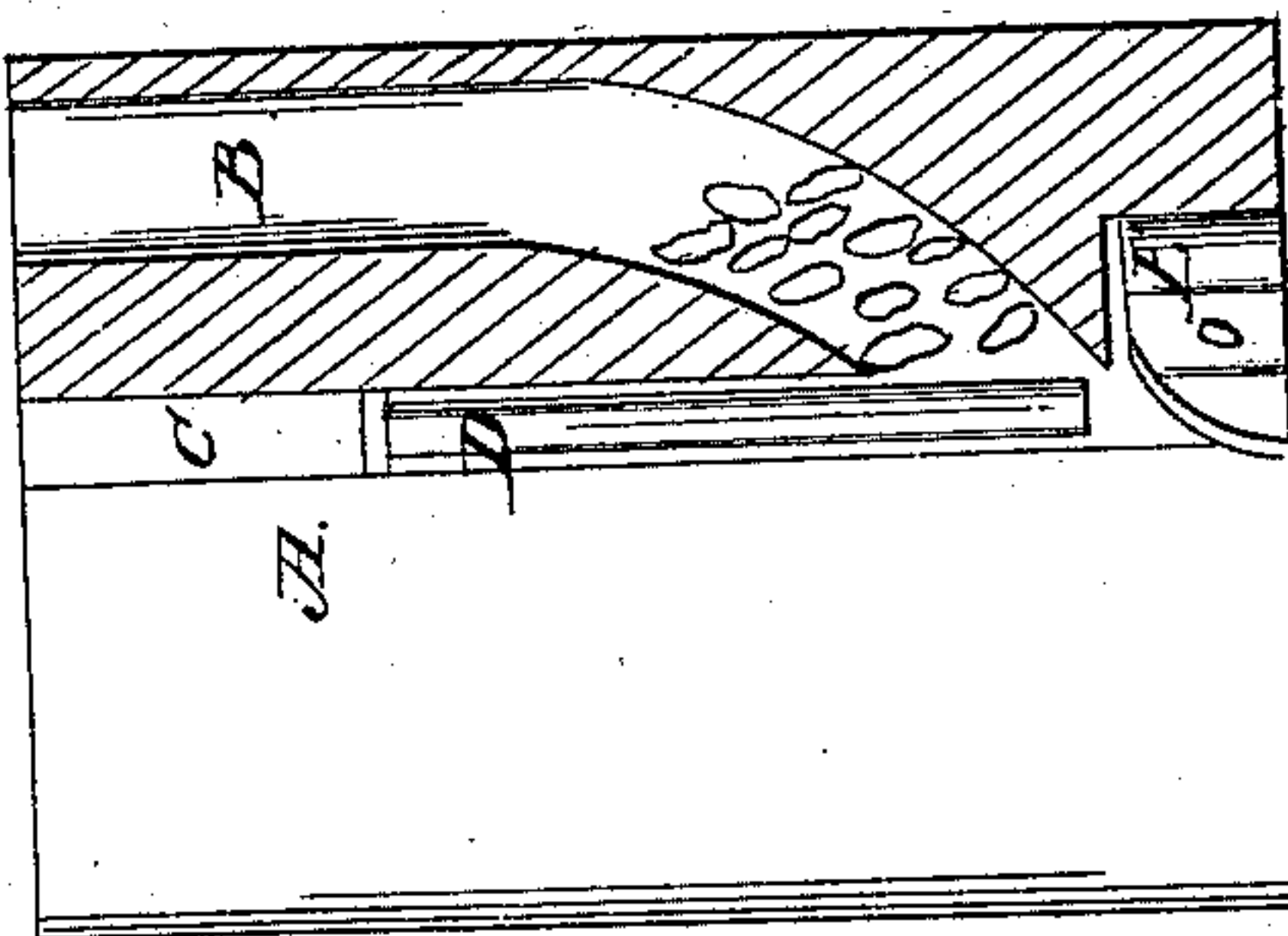


Fig. 1.

Fig. 5.



Fig. 2.



Witness:  
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# UNITED STATES PATENT OFFICE.

SVAN JOHAN WASTERBARG, OF ALTONA, ILLINOIS.

## IMPROVEMENT IN SEED-PLANTERS.

Specification forming part of Letters Patent No. **25,595**, dated September 27, 1859.

*To all whom it may concern:*

Be it known that I, SVAN JOHAN WASTERBARG, of Altona, in the county of Knox and State of Illinois, have invented certain new and useful Improvements in Seeding-Machines; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in constructing and arranging the several parts of a seeding-machine substantially in the manner hereinafter set forth.

In the annexed drawings, A represents a cylindrical block, which is made from four to six inches in length and from three to four inches in diameter. (May be made larger or smaller.) This block is provided with eight chambers, which extend through it lengthwise. Four of these chambers are straight, and are represented by C, and four of them are made curved, and represented by B. The two chambers—the straight and the curved—are separated at the top of the block, but run into each other near the bottom of said block, as is seen in Figure 2. The chambers B contain grain, the grain descending into them from a hopper, H, which is funnel-shaped, as seen in Fig. 1. Four rods, D, work and play up and down in the chambers C. These rods are connected to a center shaft, *a*, by means of the arms *d d*.

In the bottom of the block A there is a chamber, into which passes a rod, *x*, which is surrounded with a spring, G. The lower end of rod *x* connects with four arms, *e e*, which connect with four seed-slides, E. These seed-slides are seen in Figs. 2, 3, and 5. One end of each of these slides is made beveled, as seen in Figs. 2 and 5, and they are so situated as that they may be made to open and close

the chambers C at their lower ends to admit of or to prevent a discharge of the grain. *m m* represent the discharge-spouts, which are four in number.

F represents the handle of the seeder, which is movable, being surrounded by a spring, I, which serves to raise it after being pressed down by hand.

In the operation of this invention the grain is placed in the hopper H, through a suitable door in it, and thence it passes down and enters the four chambers B. By pressing down the handle F it bears upon the rod or shaft *a*, and thus depresses the rods D. The ends of said rods bear upon the grain which has passed into the chambers C from chambers B, and this grain bearing against the beveled ends of the slides E, they revolve partially around and allow the grain to pass out into the discharge-spouts, from whence it falls to the ground. The spring G serves to keep the slides E pressed up in such a manner as to keep the chambers C closed at their bottoms, except when the rods D descend, and cause the grain to overcome the pressure of said spring. When the rods D ascend, their ends rise above the point where the chambers B enter into the chambers C, and thus the grain is allowed to enter the said chambers C under the rods D, in position to be pressed out.

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

The arrangement of the block A, provided with chambers C and chambers B, with the rods D, shaft *a*, handle F, hopper H, spring I, slides E, and spring G, substantially in the manner and for the purpose herein set forth.

SVAN JOHAN WASTERBARG. [L. S.]

In presence of—

S. J. WELTON,  
V. A. WELTON.