

D. J. HOWENSTINE.
Sausage-Machine.

No. 164,741.

Patented June 22, 1875.

Fig. 1.

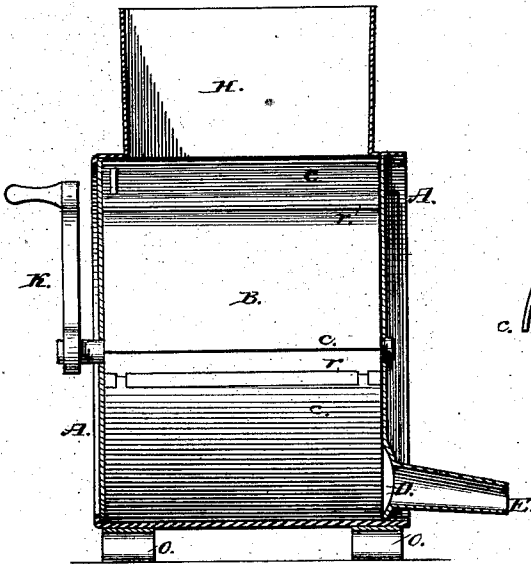


Fig. 2.

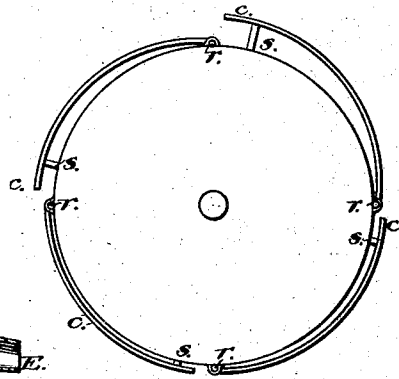


Fig. 3.

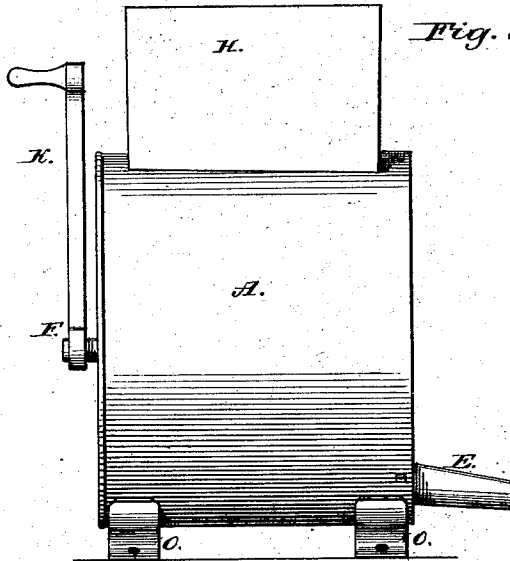
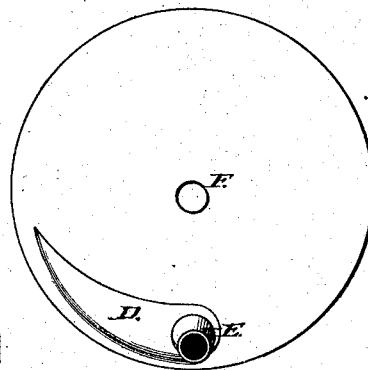


Fig. 4.



Witnesses:

Newton McGrew
Wm. P. Watfield

Inventor:

David J. Howenstine

UNITED STATES PATENT OFFICE.

DAVID J. HOWENSTINE, OF CANAL FULTON, OHIO, ASSIGNOR OF ONE-HALF
HIS RIGHT TO GEORGE N. ELLIOTT, OF SAME PLACE.

IMPROVEMENT IN SAUSAGE-MACHINES.

Specification forming part of Letters Patent No. **164,741**, dated June 22, 1875; application filed
February 3, 1875.

To all whom it may concern:

Be it known that I, DAVID J. HOWENSTINE, of Canal Fulton, in the county of Stark, in the State of Ohio, have invented a new and Improved Machine to Fill Sausages; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the letters and figures of reference marked thereon.

The nature of my invention consists of a circular box, A, provided with a cylinder, B, as represented by Figure 1, giving its position when the end of box A is removed. Fig. 2 gives a view of cylinder B detached from box A, and reversed, provided with ribs *rrrr*, two of which have scrapers *cc* attached by hooks or joints, allowing them to expand and contract. Scrapers *cccc* are formed in a regular curve, and one required to each rib; so if all were closed at one time they would form a perfect cylinder around cylinder B, which is provided with rods *ss* passing through its center, for the purpose of expanding each scraper in turn as the one on the opposite side is contracted by the eccentric curve formed by the cylinder B, with its scrapers *cccc*, being smaller than the inside diameter of box

A, and having its axis placed enough below the center of each end of box A to have the scrapers when closed pass close to the bottom of box A, allowing nothing to pass beneath, having space enough above cylinder B to admit of the required amount of minced meat, which, when forced around by scrapers *cccc*, is forced in and through cell D and tube E. Fig. 4 represents a movable head or end detached from Fig. 1, provided with cell D, tube E, bearings F, and proper fastenings to secure it to box A.

Fig. 3 represents the machine ready for use, with a hopper, H, and crank K attached; also feet *oooo*, by which the machine may be fastened to a bench.

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

A sausage-filling machine, consisting of the external hollow cylinder, A, and the eccentrically-pivoted internal cylinder, B, provided with the ribs *rrrr*, scrapers *cccc*, and rods *ss*, arranged and operated as set forth.

DAVID J. HOWENSTINE.

Witnesses:

NEWTON MCGREW,
WILLIAM P. HATFIELD.