# J. J. Flansburgh.

## Sausage Machine.

No. 95,891. Patented Oct. 19, 1869.

Fig. 1

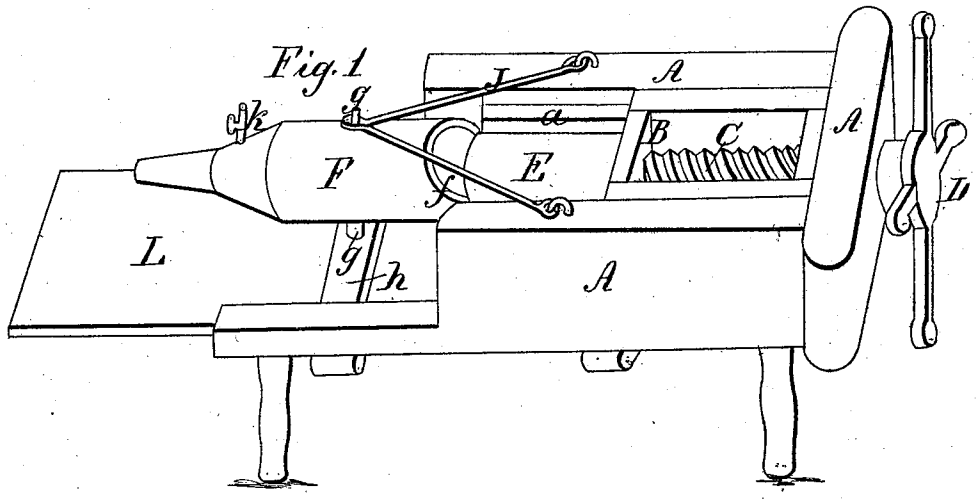



Fig. 2

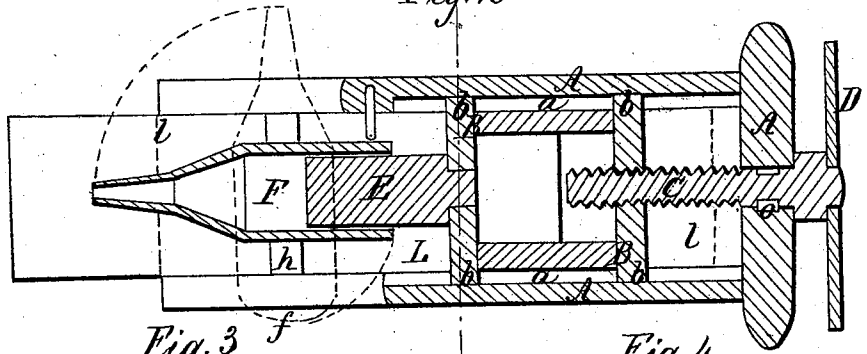



Fig. 3

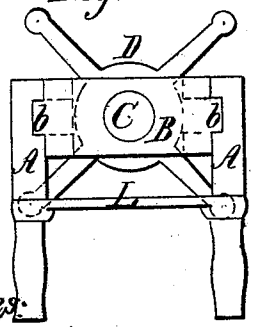
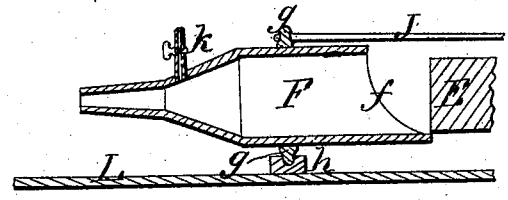



Fig. 4




Witnesses:

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# United States Patent Office.

JOHN J. FLANSBURGH, OF BERNE, NEW YORK.

*Letters Patent No.* 95,891, *dated October* 19, 1869.

## IMPROVED SAUSAGE-STUFFER.

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern:*

Be it known that I, JOHN J. FLANSBURGH, of the town of Berne, county of Albany, State of New York, have invented certain new and useful Improvements in Sausage-Stuffing Machines; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, in which—

Figure 1 represents a perspective view of the machine as improved.

Figure 2 represents a section in a vertical view from above.

Figure 3 represents a cross-section through red line in fig. 2.

Figure 4 represents a longitudinal section through the stuffing-cylinder, and a section of the plunger.

In making sausages, it is desirable to have the plunger work in the stuffing-cylinder in a persistent and decided manner. To accomplish this, I operate the plunger by means of a suitable screw worked by a crank or hand or band-wheel. The neck of the said screw is secured from being moved out from the end of the frame of the machine, while its screw-thread works into one end of a sliding frame, working into guiding-slots, and carrying a plunger.

To remove the inconveniences which generally attend the filling of the stuffing-cylinder, I construct the mouth of the said cylinder sloping, either in a straight or convex or concave manner, from the top out to the bottom, so that the length of the cylinder will be longer on its bottom line than on the top line, which enables the operator to perform his work of filling the said cylinder easier and quicker.

I also provide trunnions on the upper and lower sides of the cylinder, on which the said cylinder may swing round to one side, over a vessel containing the meat to be used, which will catch any of the material that may drop in the process of filling the cylinder.

In stuffing the cases generally used, with the meat, more or less air must, of necessity, be taken in with the meat, and is generally driven into the cases of the sausage, in the process of stuffing, and inflates them more or less.

I provide in the cylinder, a little back of the nozzle, a small stop-cock, which may be opened for a little time at the commencement of the operation of driving a charge, which would afford escape to the air in the cylinder.

To support directly under the nozzle of the cylinder any proper vessel, to receive the sausages when stuffed, I provide a sliding board or table, properly supported, which, when required, can be drawn out, and when not in use, may be moved back under the machine.

To enable others skilled in the art to make and use my invention, I will proceed to describe it in reference to the drawings, and the letters of reference marked thereon, the same letters indicating similar parts.

A, figs. 1, 2, and 3, represents the frame of the machine, which may be constructed of wood, or any other suitable material.

The sides of the frame are furnished, on their insides, with guiding-grooves or recesses *a a*, in which work the guides *b b* of the sliding frame B.

The said sliding frame may be made of wood, or other suitable material, and have guiding-grooves *a a* substituted for the guide-pieces *b b*, while the frame could be furnished with guide-pieces *b b*, as substitutes for the grooves *a a*.

The sliding frame B is operated between the sides of the frame A by a screw, C, working in one end of the said frame B, which, when the screw is turned by a crank, hand or band-wheel, D, or other similar device, draws the said sliding frame back, or moves it forward, the neck of the screw being held by a suitable stop, *o*, let in the frame-end piece, and working in a recess formed in the neck of the said screw, as shown in fig. 2.

A plunger, E, figs. 1, 2, and 4, is fixed rigid to the front of the sliding frame B, and is carried by it back and forth as the screw is operated.

The stuffing-cylinder F is provided with a sloping mouth, *f*, as shown in fig. 4, and may be made of any suitable material, and is provided with trunnions *g g* placed on the sides of the said cylinder, above and below.

The lower trunnion works in a hole made in a cross-piece, *h*, of the frame, while the one above works in an eye of a branch brace, J, jointed to the top edges of the frame A, as shown in fig. 1.

The cylinder thus held and steadied, can be turned, as shown by dotted lines in fig. 2, with its mouth *f* over the vessel containing the meat, and be filled without dropping any of the material on the floor.

A stop-cock, *k*, is placed at any suitable point in the cylinder F, back of the nozzle, which, when turned in one direction, will permit the escape of the air from the said cylinder, and when turned in, a quarter way back, will close the same.

Placed beneath the cylinder F, below the edge of the frame A, is a sliding board, L, which, when required to hold a vessel, to receive the sausages as made, can be drawn out, as shown in figs. 1 and 2, or moved back, as shown by dotted lines *l* in fig. 2.

When the machine is to be worked by power, one shaft, provided with a band-wheel, operating two screws C, each operating plungers in its cylinder, can be used to advantage, as, when so arranged, no time or motion would be lost, for while one is being discharged,

the other could be filled, and should the said cylinders be made to swing to the same side, one person could attend to both cylinders.

Having described my invention,

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

1. The stuffing-cylinder F, provided with the sloping mouth *f*, and the trunnions *g g*, arranged so as to swing its mouth over a side of the machine, substantially as described, for the purpose set forth.

2. In a sausage-stuffer, in combination with the screw C and hand-wheel D, or its equivalent, the frame B, with the plunger E attached, and working in the frame A, provided with the guides *a a*, and all arranged and operated substantially in the manner specified, for the purpose set forth.

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Witnesses:

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