

Brouse & Weidman,

Sausage Stuffer.

No. 95,078.

Patented Sept. 21, 1869.

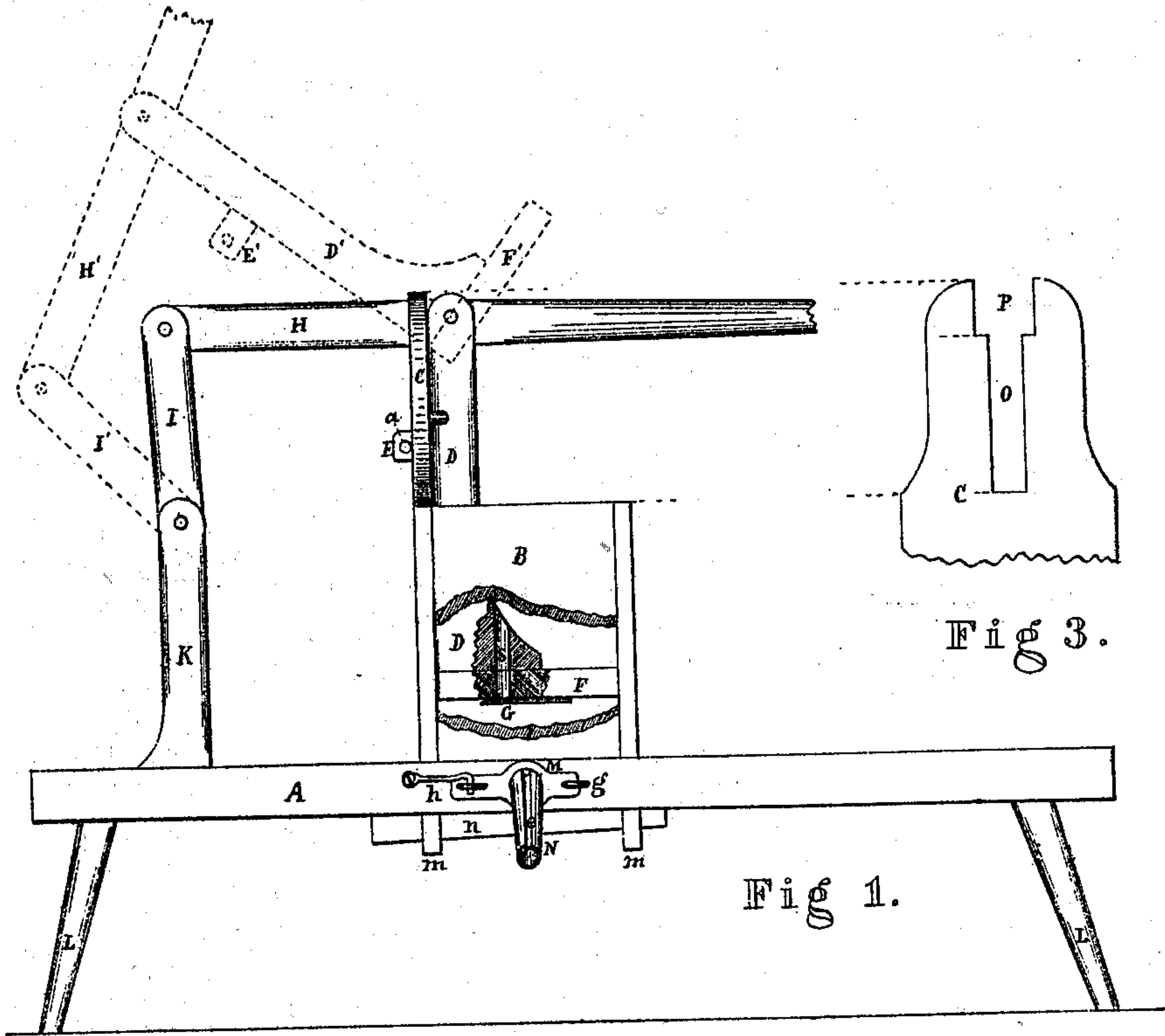


Fig 3.

Fig 1.

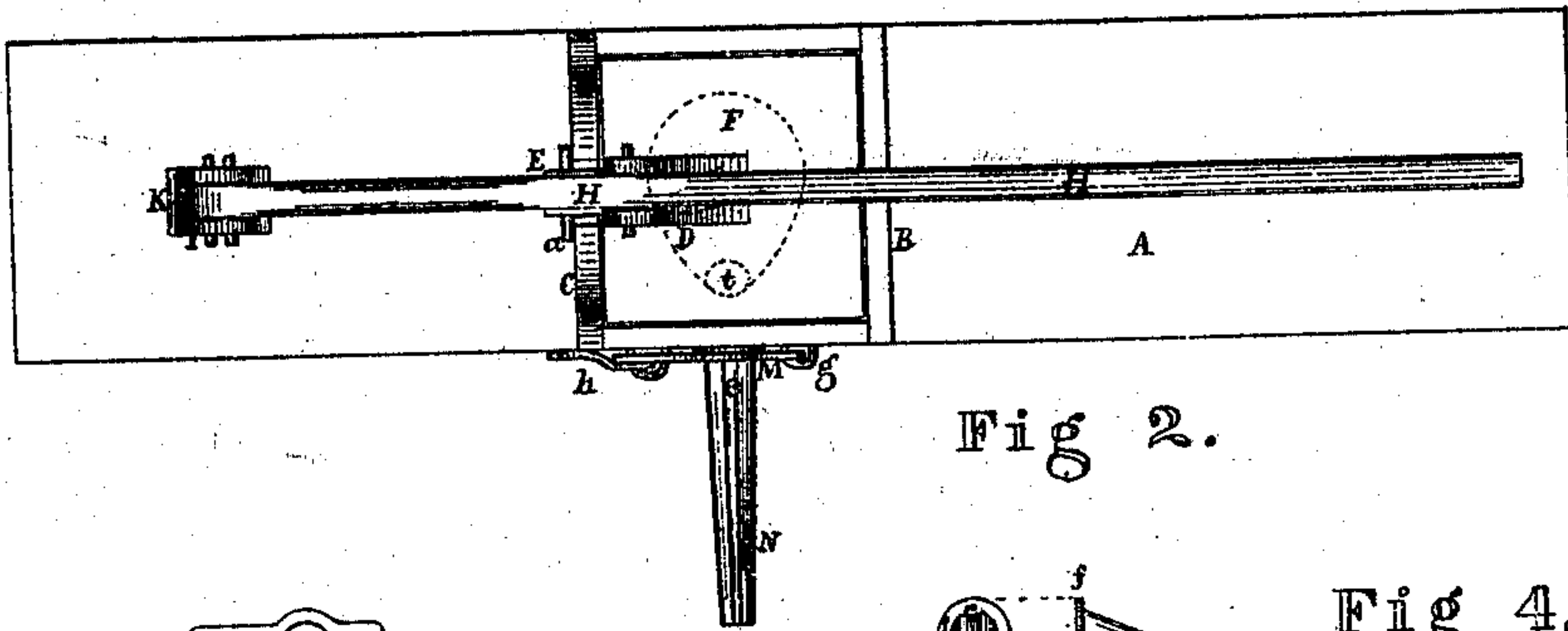


Fig 2.



Fig 5.

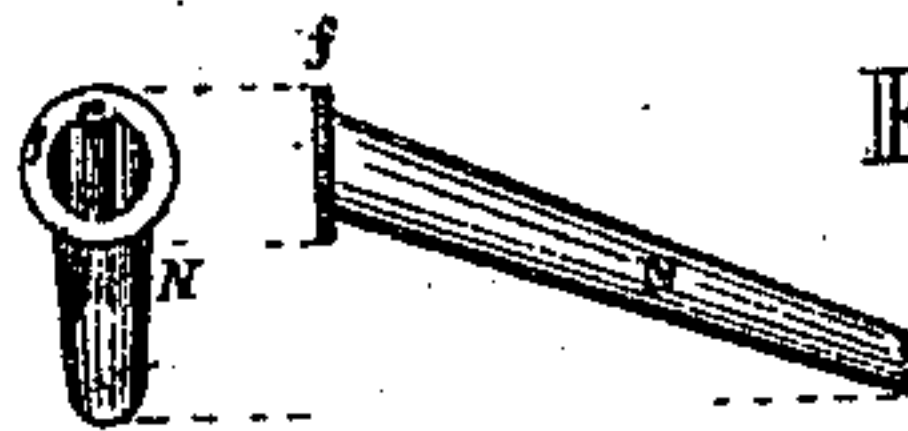


Fig 4.

Wm. McKinley Jr.
Ruth K. Abbott

A. L. Brouse
Urias Weidman. } *INVENTORS.*
By Job Abbott *ATTORNEY,*

United States Patent Office.

A. L. BROUSE AND URIAS WEIDMAN, OF LAKE, OHIO.

Letters Patent No. 95,078, dated September 21, 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 we, A. L. BROUSE and URIAS WEIDMAN, both of Lake Post Office, in the county of Stark, and State of Ohio, have invented new and useful Improvements in Sausage-Stuffers; and we do hereby declare that the following is a full, clear, and exact description of our invention, reference being had to the accompanying drawings, forming a part of this specification, and to the letters of reference marked thereon, of which drawings—

Figure 1 is an elevation of our machine.

Figure 2 is a plan of the same.

Figure 3 is an elevation of the extended side of the stuffer-box.

Figures 4 are detailed views of the discharge-tube.

Figure 5 is an elevation of the clamp for the discharge-tube.

The nature of our invention consists, first, in the novel construction of the mechanism for operating the plunger in a sausage-stuffer, whereby we obtain all the desired movements of the plunger, by a simple manipulation of the pressure-lever, and without the necessity of taking hold of the plunger.

Our invention consists, secondly, in the novel mode of constructing and attaching the discharge-tube of a sausage-stuffer, whereby we can readily remove said tube, and thus facilitate the cleaning of it, and of the machine.

Our invention consists, thirdly, in providing the plunger of a sausage-stuffer with a valve opening downward from the plunger, so that, as the plunger is raised, air may be admitted to the stuffer-box, and the resistance of the pressure of the air to the upward movement of the plunger, which is often troublesome in a close-fitting plunger, is entirely obviated.

To enable others skilled in the art to make and use our invention, we will proceed to describe its construction and operation.

The platform A of the machine is supported on the legs L L, and has the discharge-hole *t* formed in it, as indicated by dotted lines in fig. 2.

The stuffer-box B is secured to it by lugs, *m m*, formed on the sides of the box, and extending through the platform A, where they are fastened by a key, *n*, as shown in fig. 1; or, if preferred, other suitable modes of fastening the box might be used.

One of the sides C, of the stuffer-box B, is extended up above the box, as shown in fig. 1, and has the slots O and P cut in it, as shown in fig. 3, the upper slot P being somewhat wider than the lower slot O, and the two slots being united, as shown.

The plunger F is of a form corresponding to the shape of the box B, and has the hole *s* made in it, underneath which is placed the flexible valve G, as shown in fig. 1.

The plunger-rod D has the plunger F secured at its lower end, and has the arm E secured on its rear face, as shown.

The plunger-rod D is of the same width as the slot P in the side C of the box B, and the arm E is of the same width as the slot O, and extends through said slot, and has a cross-pin, *a*, which moves up and down on the back of the side C.

The standard K is secured in the platform A, and has the link I hinged at its upper end, and the other end of said link is attached to the end of the pressure-lever H, which lever is pivoted at the head of the plunger-rod D.

The discharge-tube N has the groove *e* formed along its side, and has the collar *f* formed at its upper end.

The clamp M is hung by a staple, *g*, to the platform A, and has a hole in it, of a size sufficient to admit the discharge-tube N, which is secured in position by bringing the clamp M up against the platform A, where it is secured by a hasp, *h*, as shown in figs. 1 and 2.

From the foregoing description of the construction of our machine, it is readily seen, that by pressing down on the lever H, the chopped meat, which has been previously placed in the box B, under the plunger F, will be forced out through the hole *t*, and discharge-tube N, into the casing, which is pulled over said tube, and that the groove *e* will allow the air to escape from said casing, as it becomes filled with meat.

To remove the discharge-tube N, the hasp *h* is raised, and the clamp M swung away from the platform A, when the tube N can be taken out of said clamp in a manner readily seen.

The plunger F is raised from the box B by raising the lever H, the valve G allowing the air to pass in the hole *s*, in the plunger F, and thus preventing any tendency to a vacuum under said plunger, as before described.

By raising the lever H until the plunger F clears the box B, and then pressing back on the lever H, the several parts may be thrown into the position indicated by dotted lines in fig. 1, the plunger-rod D resting in the slot P, in the side C, and the pressure-lever and plunger being thrown back, so as to allow of any easy access to the box B.

By drawing the lever H forward, the cross-pin *a* will be brought against the side C, which will cause the plunger-rod to swing into an erect position, and hence, will bring the plunger T over the box B, in proper position to be forced down in said box.

The cross-pin *a*, by bearing on the outside of the side C, keeps the plunger-rod D pressed against the side C, and thus insures the proper movement of the plunger.

Having thus fully described our invention,

What we claim therein as new, and desire to secure by Letters Patent, is—

1. The stuffer-box B, provided with the extended side C, having the slots O and P cut therein, substantially as and for the purpose specified.

2. The plunger D F, provided with the arm E, with cross-pin *a*, when used in combination with the stuffer-box B, provided with the extended side C, having the slots O and P cut therein, substantially as and for the purpose specified.

3. The combination of the platform A; stuffer-box B, with extended side C, having slots O and P cut therein; plunger D F, with arm E and cross-pin *a*, pressure-lever H, connecting-link I, and standard K, the several parts being arranged substantially as and for the purpose specified.

4. The discharge-tube N, provided with the groove *e* and collar *g*, when used in combination with the clamp M and platform A, substantially as and for the purpose specified.

5. The flexible valve G on the plunger F, provided with hole *s*, opening downward, as shown, substantially as and for the purpose specified.

As evidence that we claim the foregoing, we have hereunto set our hands, in the presence of two witnesses, this 11th day of August, 1869.

A. L. BROUSE.

URIAS WEIDMAN.

Witnesses:

J. STUSE,

GEORGE FRANK.