A. CRAINE.

Sausage Stuffer.

No. 40,245. Patented Oct. 13, 1863.

Fig: 2.

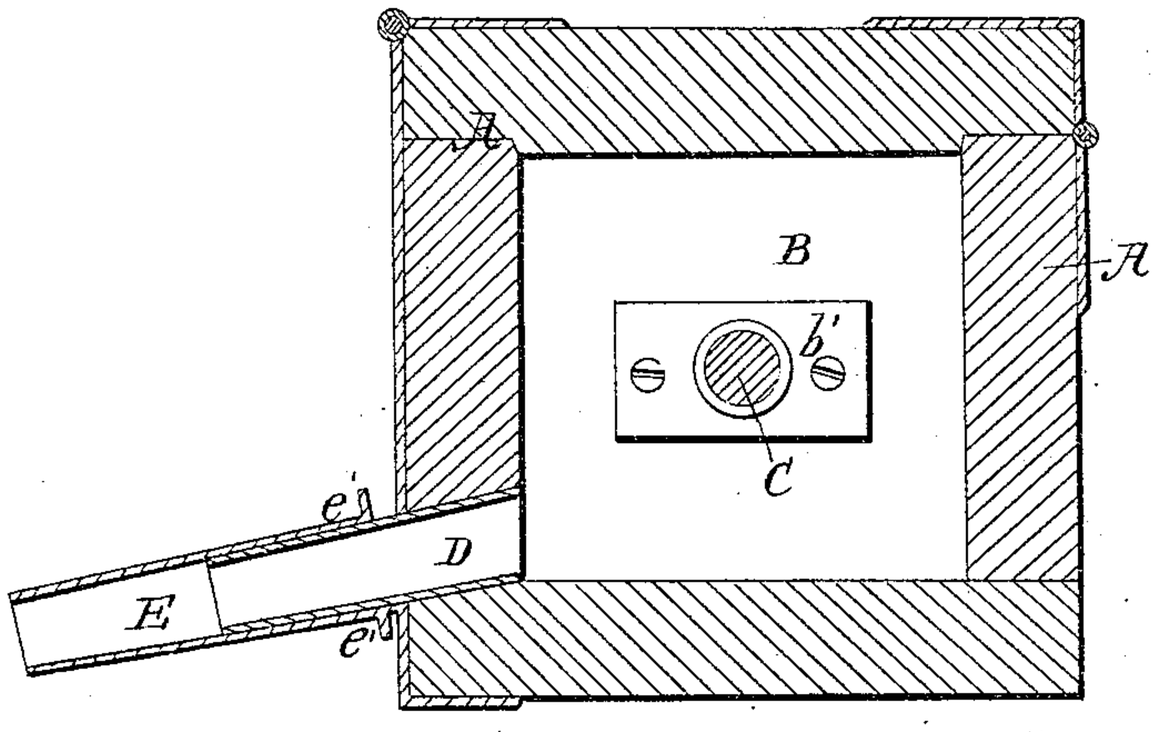
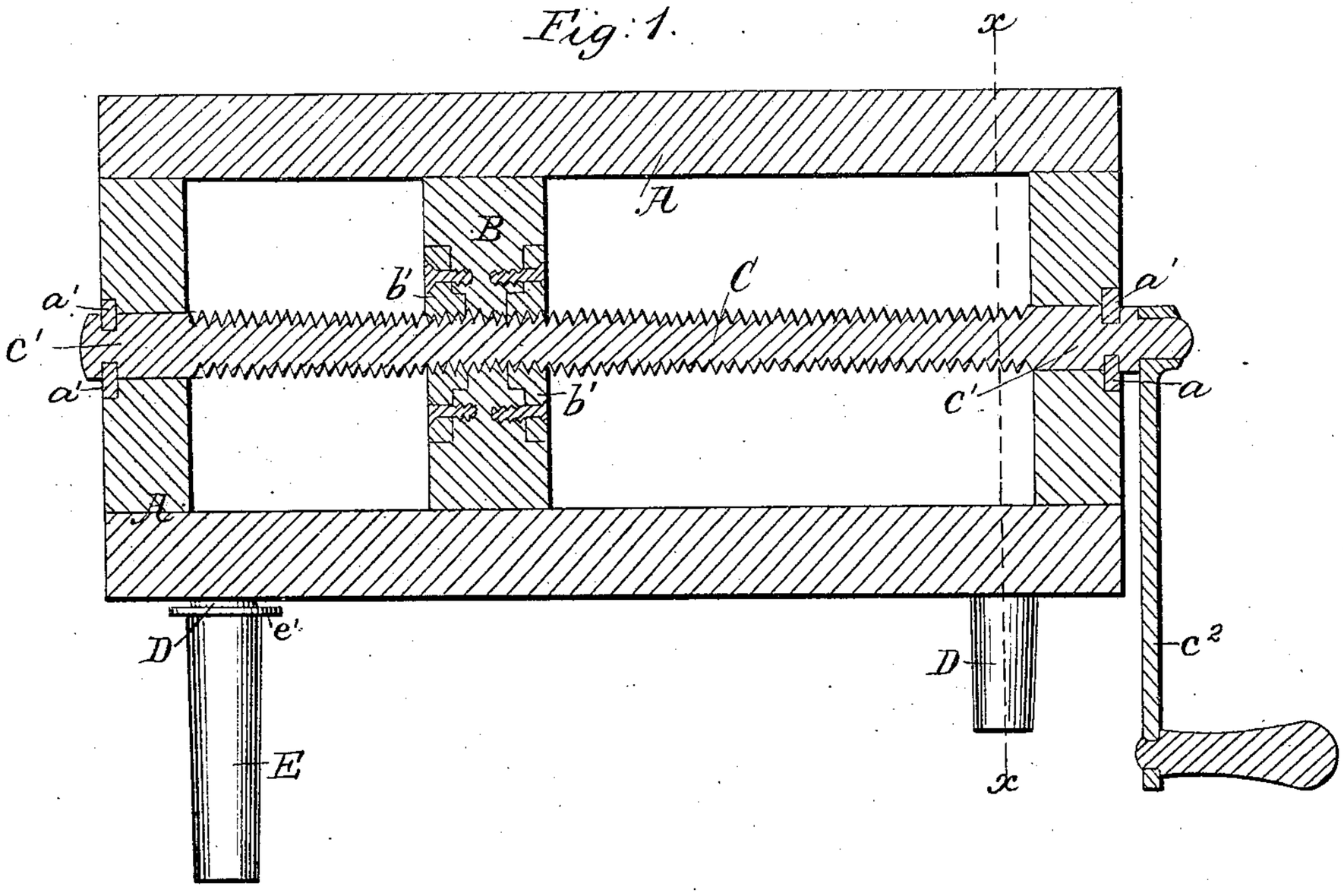


Fig: 1.



Witnesses.
Samuel Caldwell
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Absalom Craine

UNITED STATES PATENT OFFICE.

ABSALOM CRAINE, OF ALTOONA, PENNSYLVANIA.

IMPROVED SAUSAGE-STUFFER.

Specification forming part of Letters Patent No. **40,245**, dated October 13, 1863.

To all whom it may concern:

Be it known that I, ABSALOM CRAINE, of Altoona, in the county of Blair and State of Pennsylvania, have invented a new and useful Improvement in Sausage-Stuffers; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a horizontal longitudinal section through the center of the said improved machine, and Fig. 2 a vertical transverse section of the same through the dotted line *x* of Fig. 1, like letters indicating the same part when in both figures.

The nature of my invention consists, substantially as hereinafter described and specified, in providing that class of sausage-stuffers which operate by means of a piston and screw inclosed in a case with two distinct delivery-tubes, so that the operation of stuffing may be continued during both the forward and backward motions of the piston for the purposes of economizing time in the operation of stuffing sausages.

In the drawings, A is the case or meat-box; B, the piston; C, the screw; D D, the delivery-tubes, and E the adjustable sheath. The case A is a strong rectangular wooden box having its upper side hinged and clasped thereto, so that it can be opened and closed securely as occasion frequently requires. The piston B is made to fill the transverse area of the case. The screw C is made of iron, and is arranged longitudinally in the center of the case A, with its ends projecting through the end pieces of the case and secured therein against any longitudinal motion by means of the rectangular grooves c' c' therein and the metal plates a' a', which are fixed permanently in the said end pieces of the case, so as to hold the screw in the position shown in the drawings, Fig. 1. The screw also passes through the center of the piston B, and when rotated causes the latter to traverse the interior of the case from end to end by means of screw-plates b' b', which are fixed permanently in the said piston, as seen in the drawings. Rotary motion is given to the screw B by means of a crank, c^2. The delivery-tubes D D are fixed in the case A so as to project therefrom about two or three inches, and form open or delivery tubes tapering from the interior of the case outward, as shown in the drawings. The adjustable sheath E is open at both ends, made somewhat longer than the delivery-tubes, and tapered so that it may be slipped over and be retained by friction around either of the latter. Its larger end is also provided with a fixed flange, e', as represented in the drawings, for the purpose of preventing the skin from slipping over the same.

Operation: The piston B having been moved into contact with one end of the case A, by rotating the screw E the case is then filled with sausage-meat and the lid closed down securely thereon. The skin which is to be stuffed or filled is then slipped upon the sheath E, and the latter pressed tightly over the delivery-tube which communicates with the meat in the case. Rotary motion being now given to the screw C by means of the crank c', so as to cause the piston B to advance upon the meat, the latter will gradually escape through the delivery-tube which is surrounded by the sheath E, and thus gradually draw the skin off of the latter by filling it with the meat in the usual manner, until the piston has reached the opposite end of the case, when the sheath, together with the skin and sausage thereto attached, are to be removed and attached to the opposite delivery-tube, the case replenished with meat closed, and then a contrary rotary motion given to the screw, thus immediately continuing the operation of filling, and without first returning the piston to its original position, as has heretofore been necessary.

It is obvious that by means of the double delivery-tubes described there will be greater expedition acquired, and that by means of the adjustable sheath E greater facility will be afforded in applying the skins, as the sheath is readily removable from one tube to the other; and, as a series of them can be provided, they can be made ready with skins beforehand for application, or while the operation of stuffing is proceeding, besides the advantage afforded in their being separable from the machine for the purpose of applying the skins.

I do not desire to claim the adjustable sheath E; but,

Having thus fully described my improvement and shown its utility, what I claim as

new therein, of my invention, and desire to secure by Letters Patent, is—

The employment of the two delivery-tubes D D, in combination with a piston, B, operated by means of a screw, C, in a sausage-stuffer, so that delivery will be effected during both the forward and backward motions of the piston, substantially as described and set forth, for the purpose specified, and this whether the the adjustable sheath E be used or not.

ABSALOM CRAINE.

Witnesses:

SAMUEL CALDWELL,

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