

(No Model.)

2 Sheets—Sheet 1.

G. LAUBE & O. R. SMITH.

WASHING MACHINE.

No. 356,000.

Patented Jan. 11, 1887.

Fig. 1.

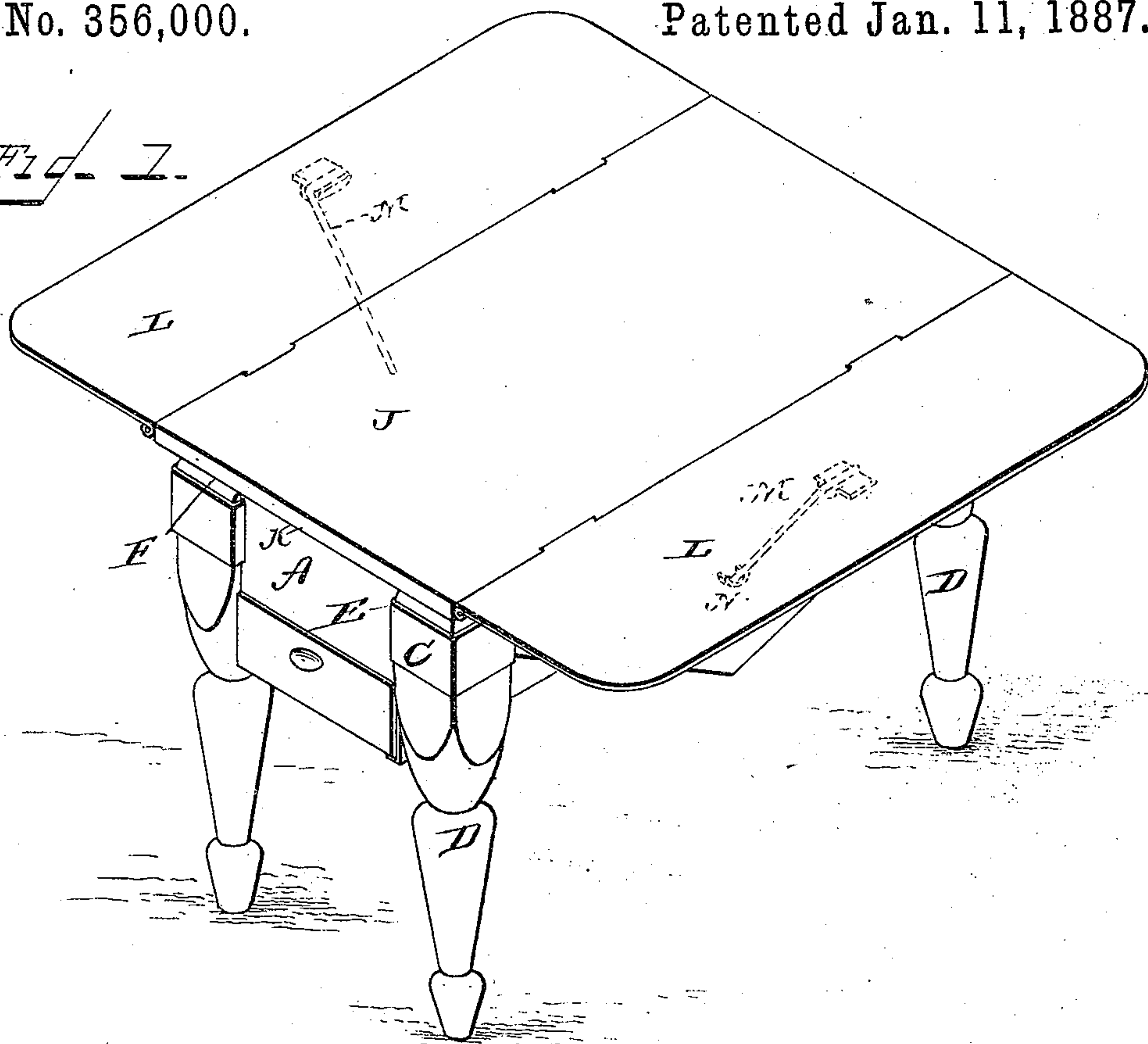
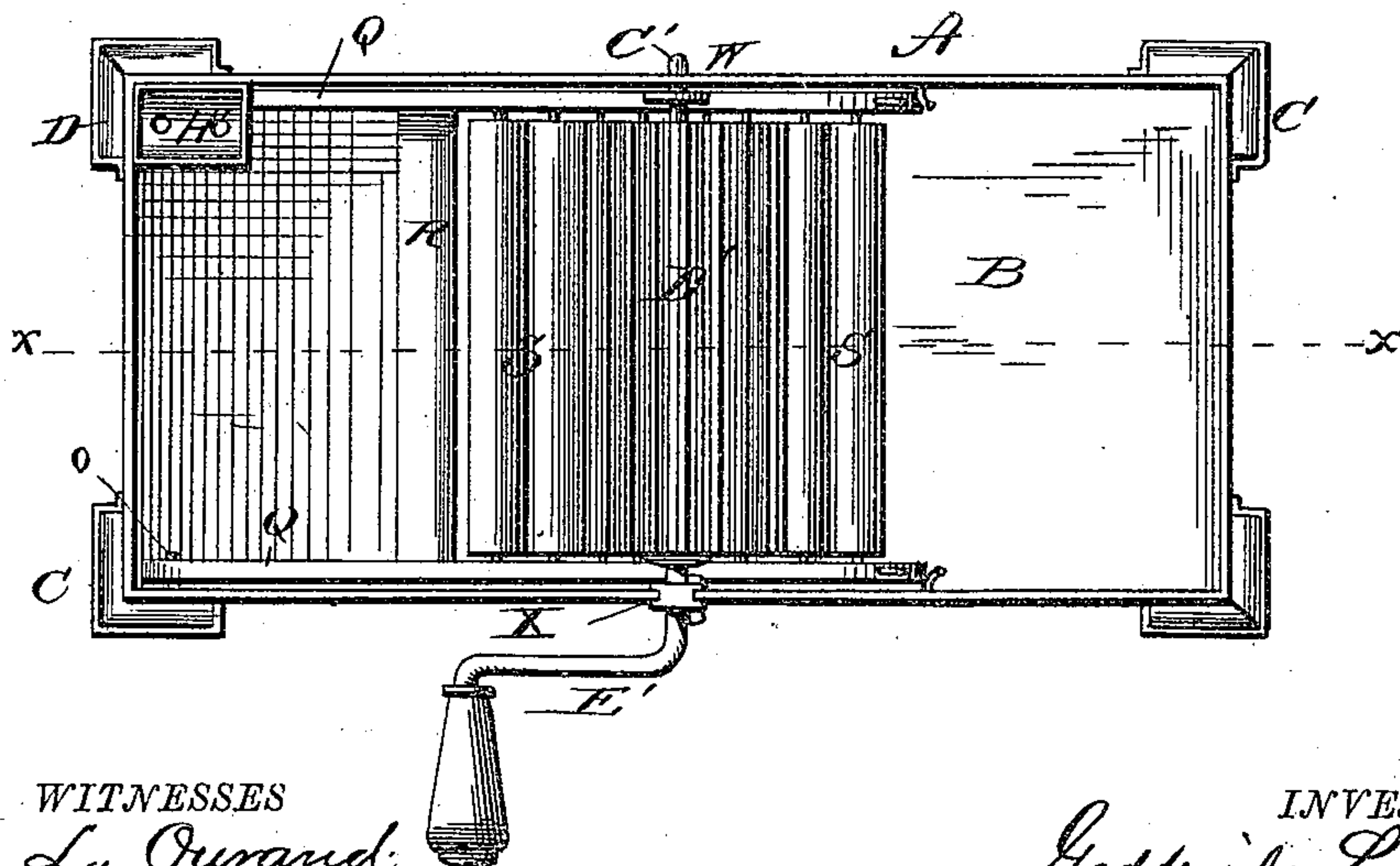


Fig. 2.



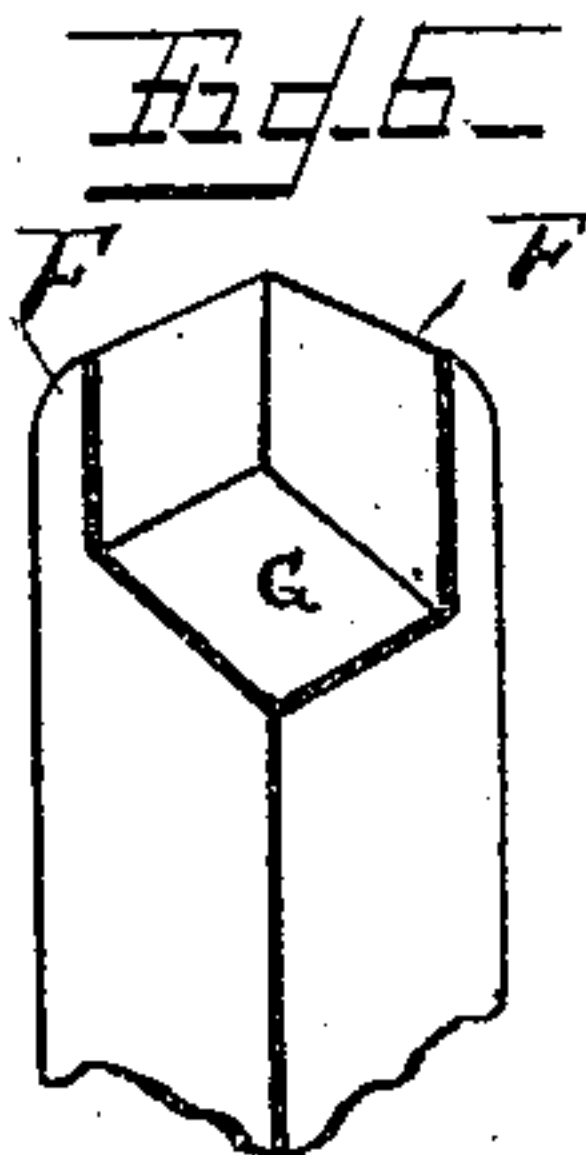
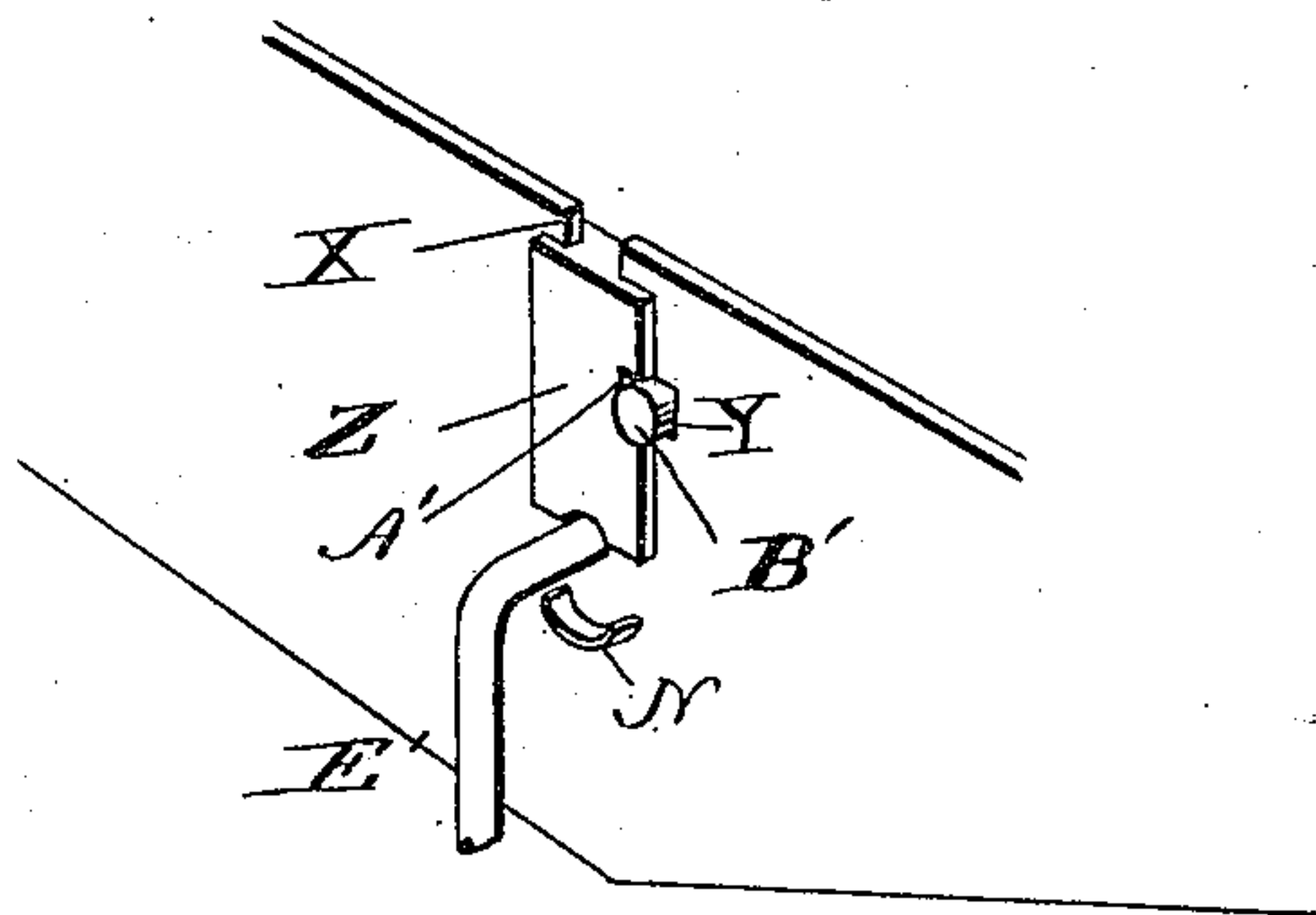
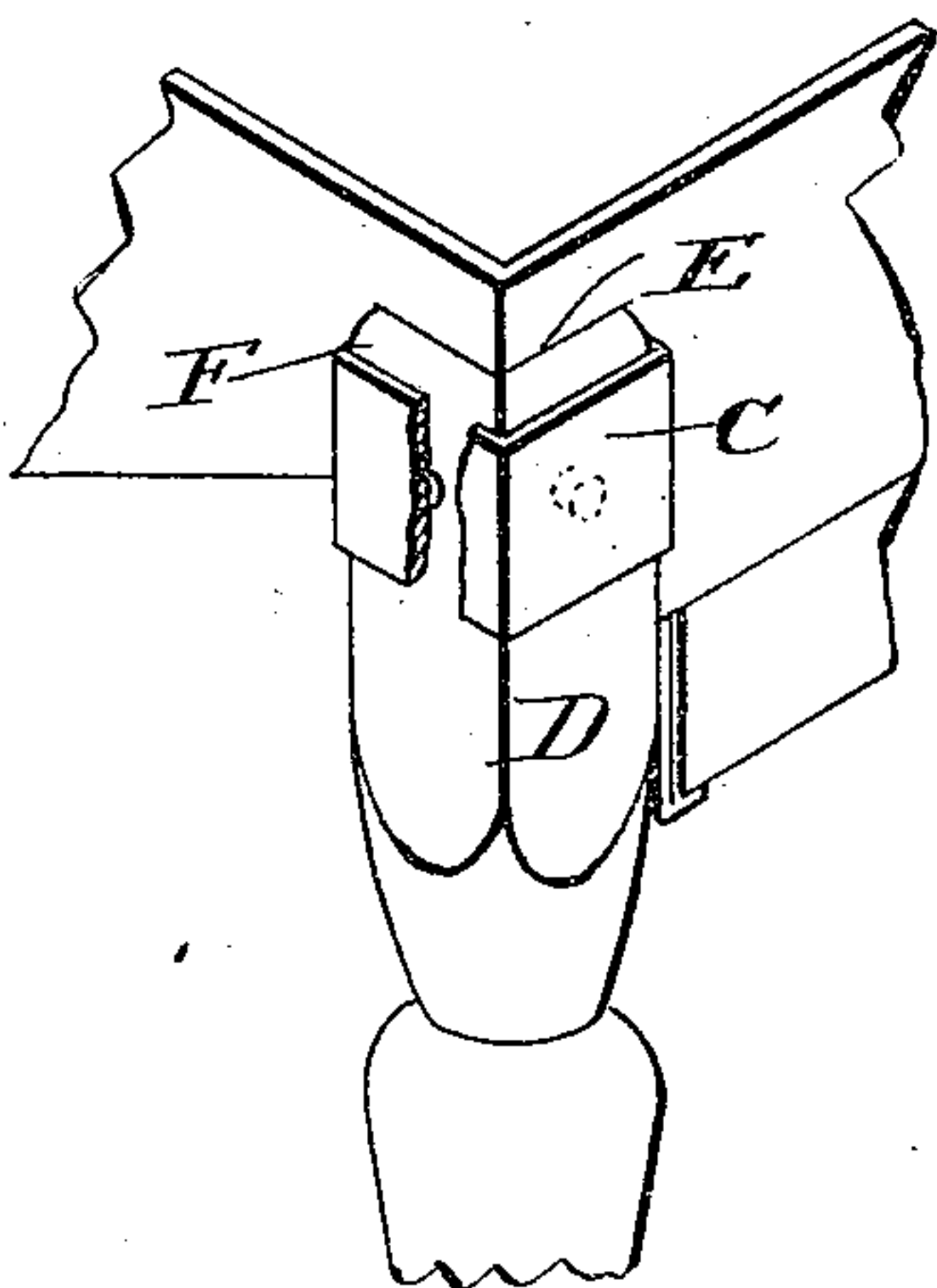
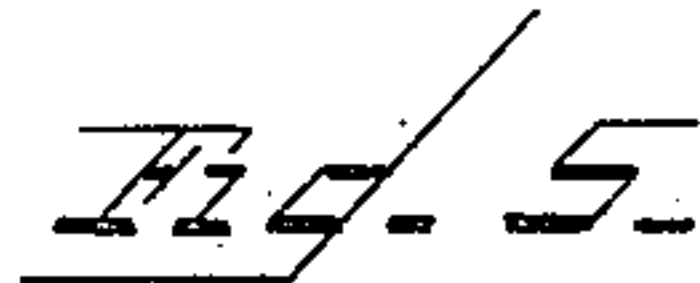
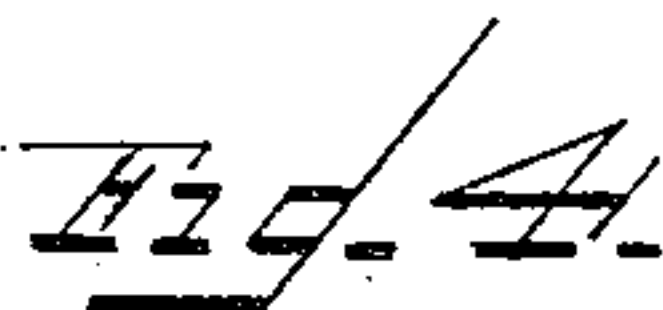
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WASHING MACHINE.

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# UNITED STATES PATENT OFFICE.

GODFRIED LAUBE AND ORISON R. SMITH, OF HURON, DAKOTA TERRITORY.

## WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 356,000, dated January 11, 1887.

Application filed April 30, 1886. Serial No. 200,693. (No model.)

*To all whom it may concern:*

Be it known that we, GODFRIED LAUBE and ORISON R. SMITH, both residents of Huron, in the county of Beadle and Territory of Dakota, have invented certain new and useful Improvements in Washing-Machines; and we do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it ap-  
10 pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of our improved combined washing-machine and table, showing the leaves folded out. Fig. 2 is a top  
15 view of the machine, showing the cover removed. Fig. 3 is a longitudinal vertical sectional view on line *x x*, Fig. 2. Fig. 4 is a perspective detail view of the fastening for one of the legs. Fig. 5 is a similar view of the  
20 sliding block for retaining one end of the roller-shaft, and Fig. 6 is a perspective view of the upper end of one of the supporting-legs.

Similar letters of reference indicate corresponding parts in all the figures.

Our invention has relation to that class of washing-machines in which the cover is provided with leaves, so that the machine may be utilized as a table when not in use as a  
30 washing-machine; and it consists in the improved construction and combination of parts of such a machine, as hereinafter more fully described and claimed.

In the accompanying drawings, the letter A indicates the suds-box, the bottom B of which is inclined toward the middle, and the corners of which are provided with sockets formed by means of strips C, secured at their ends to the side and end pieces of the box and placed at a  
40 distance from the said side and end pieces, so that they may form sockets for the reception of the upper ends of the legs D, which ends are cut away so as to leave lips F, placed rectangularly toward each other, and bottoms or  
45 shoulders G, which lips may fit in the spaces between the strips and the side and end pieces of the box, while the corners of the inclined bottom may bear against the shoulders, which are correspondingly inclined.

50 Drawers H H slide in suitable ways, I, under the ends of the suds-box, between the legs,

the inclined portions of the bottom making sufficient space for them.

The cover J is provided with a flange, K, upon its under side, which will fit against the upper edges of the suds-box, and the side edges of the cover have leaves L L, hinged to them, the said leaves having props or braces M piv-  
55 oted to their under sides at the upper ends, while the lower ends may bear against lips N upon the sides of the side pieces of the suds-  
60 box.

Lips O O are formed at one end of the bottom near the side pieces by means of metallic strips having the central portion doubled and having the ends secured to the bottom, and the notches P, at the ends of two arms, Q Q, rest upon these lips. These arms are slightly curved and connected by means of a cross-  
65 piece, R, at about their middles, and rollers S have their trunnions journaled in these arms extending transversely between the arms. The free ends of the arms are provided with hooks T T, to which the lower ends of springs U, preferably of rubber, are secured, and the  
70 upper ends of these springs are secured to hooks V upon the inner sides of the side pieces of the suds-box.

One side piece of the suds-box is provided with a bearing, W, and the other side piece has a registering-slot, X, formed with a notch, Y, at the middle of one edge, and formed with a bearing at its lower end, and a block, Z, fits with its grooved edges between the edges of the slot, and has a notch, A', in one edge, which registers with the notch in the slot, so  
85 that a pin, B', may be inserted into the two slots, and the lower end of the block forms the upper portion of the bearing in the end of the slot. The shaft C' of the pounder-roller D' is journaled in these bearings, and one end of the  
90 shaft is provided with a crank, E', and the roller has a number of deep longitudinal channels, F', widening toward their bottoms, which channels divide the surface of the roller into a number of pounder strips or blocks, the faces of which are formed with shallow longitudinal  
95 grooves G'.

A soap dish or receptacle, H', may be secured at one corner of the suds-box.

It will be seen that the roller-bed will be yielding, so as to give for the different thick-



nesses of clothes coming between the bed and the roller, by having its inner ends pivoted upon the upwardly-projecting lips and by having the free ends supported by the springs, 5 and the longitudinal channels of the roller divide the roller into a number of longitudinal pounder blocks or strips, which will pound the clothes, the channels separating them drawing water and air into them during the revolutions 10 and forcing it through the clothes when coming in contact with them.

The roller may be removed by removing the pin fitting in the notches of the sliding block and of the slot, when the block may be slid 15 upward with its grooved edges upon the edges of the slot, and after the block is out of the slot the crank end of the shaft may be raised out of the slot and the other end removed from its bearings, the roller being inserted by reversing the operation. 20

When the machine is not in use, the roller may be removed and placed into the bottom of the suds-box, the yielding bed having had its springs released, and the cover may there- 25 upon be placed upon the suds-box and the machine converted into a table, the folding leaves increasing the size of the table.

The suds-box is provided with a perforation having a removable plug, I', at the junction of the inclined bottoms, so that all the water 30 and suds may easily be drawn out of the suds-box.

Having thus described our invention, we claim and desire to secure by Letters Patent of the United States— 35

In a washing-machine one side of which is provided with a vertical slot having a notch in one of its sides, the combination of a block having grooves in two of its edges and a notch 40 in one of said edges, a plug, and a roller, one end of the shaft of which is journaled in the bottom of said slot and the other end is journaled in the opposite side of said machine.

In testimony that we claim the foregoing as our own we have hereunto affixed our signa- 45 tures in presence of two witnesses.

GODFRIED LAUBE.  
ORISON R. SMITH.

Witnesses:

FRANK GARSKE,  
DAVE GOMBAR.