

900,791.

Patented Oct. 13, 1908.

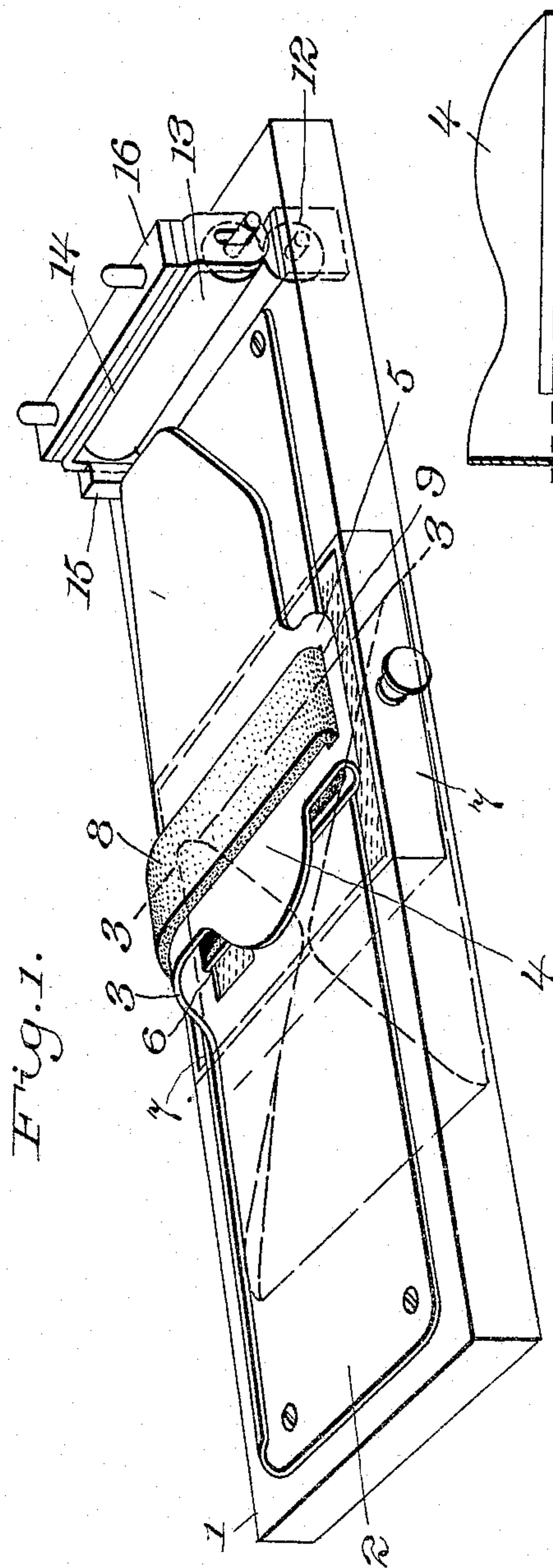


Fig. 1.

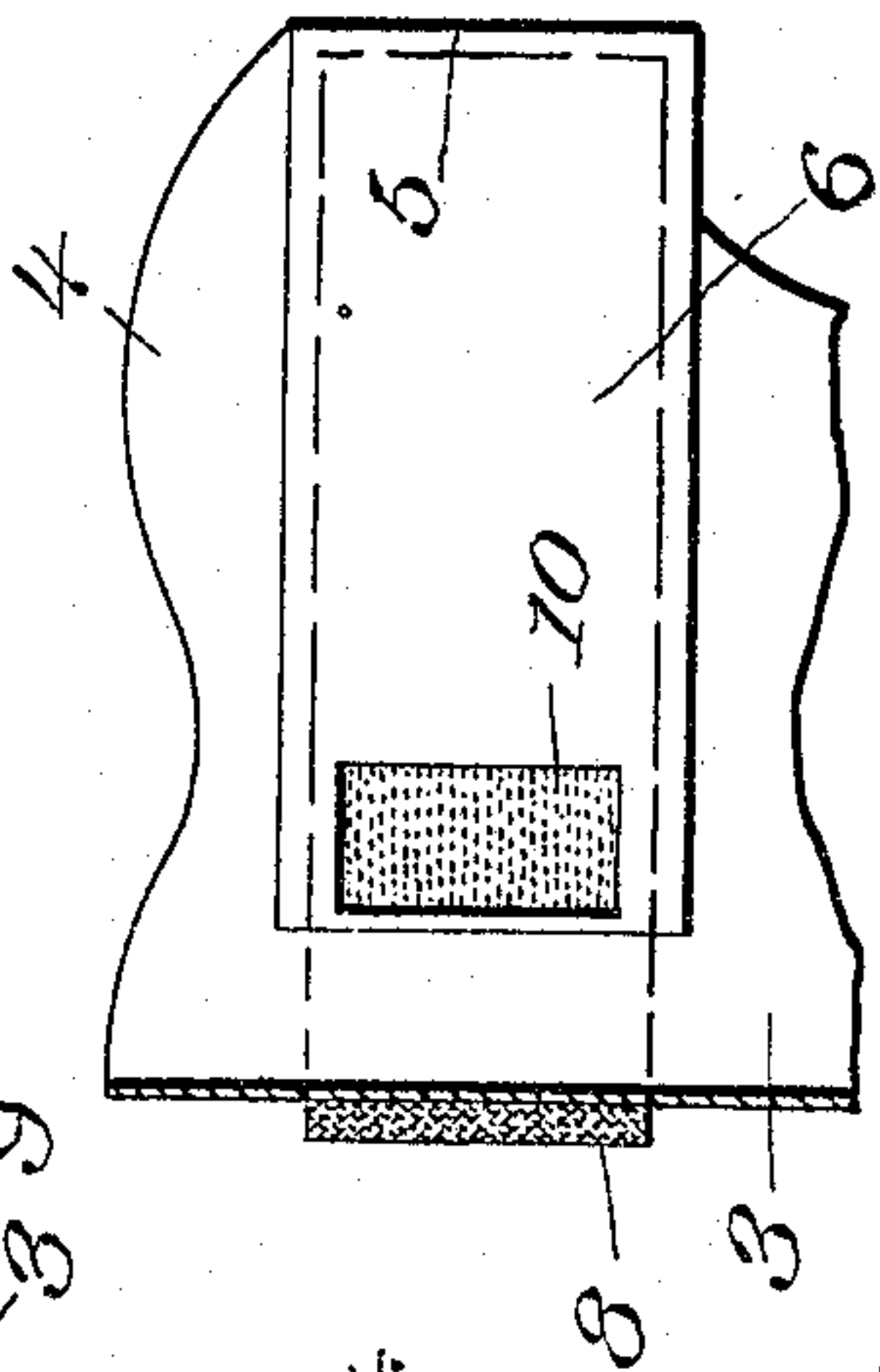


Fig. 4.

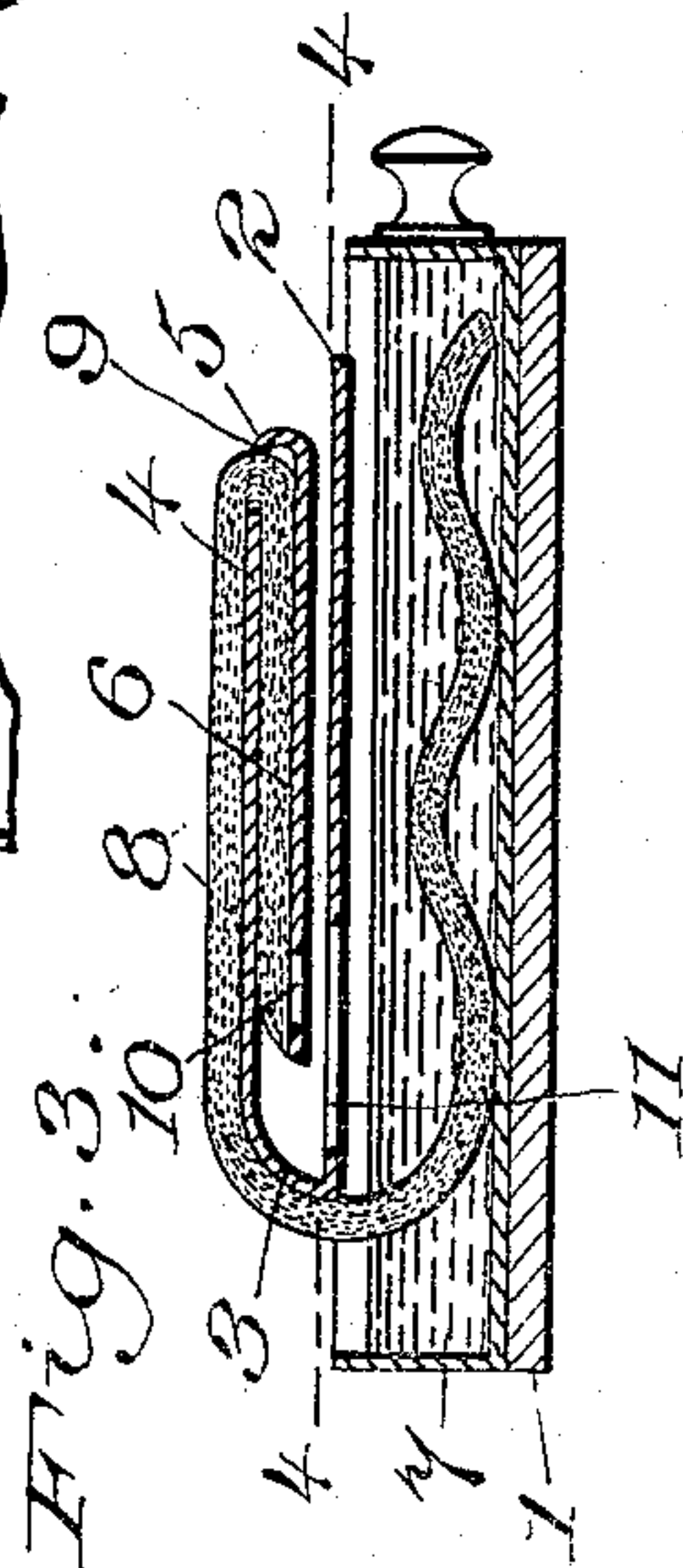


Fig. 3.

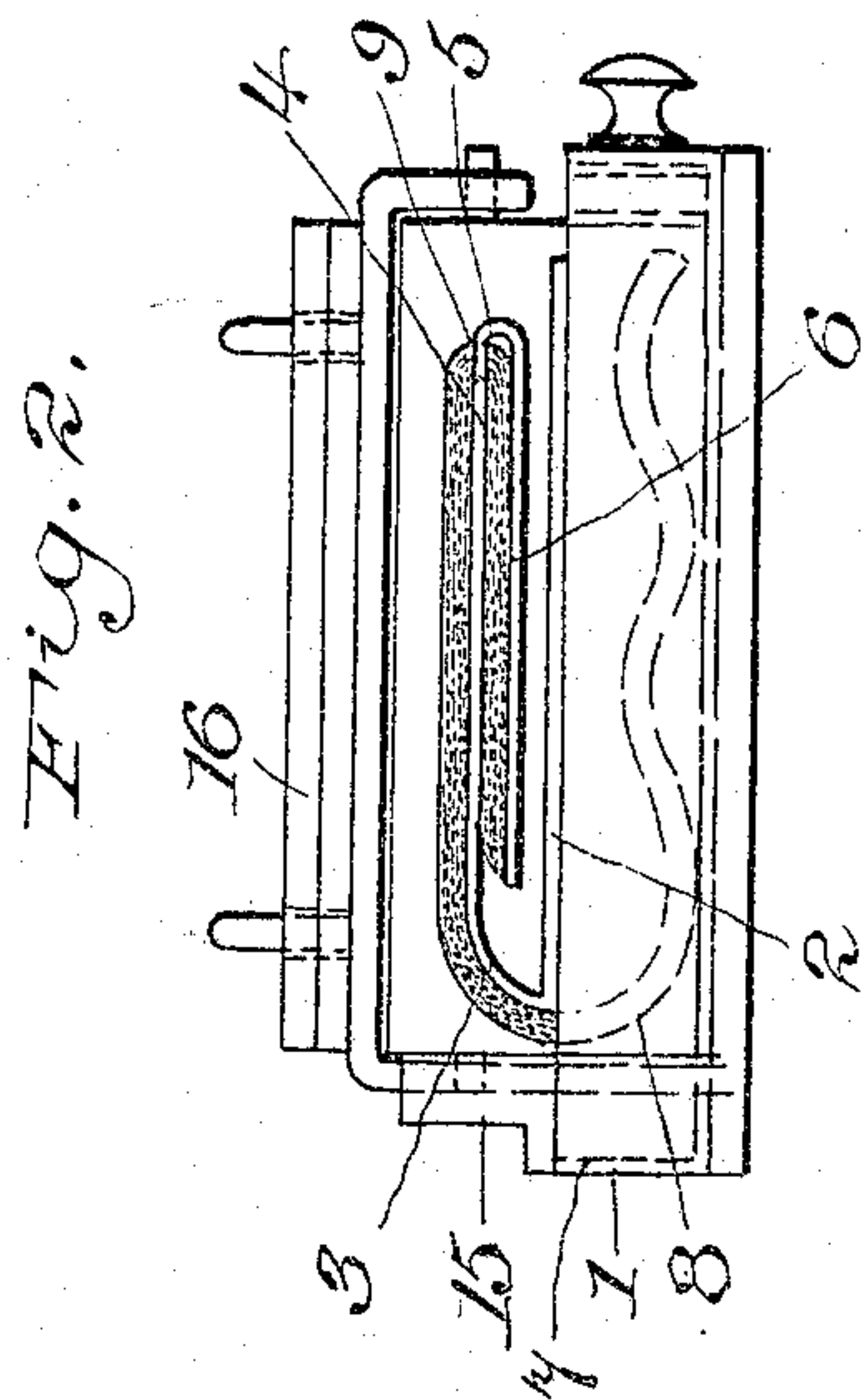


Fig. 2.

Witnesses:
G. M. [unclear]
W. G. Crawford

Inventor
Henry C. Stanley
 By *his Attorney* *P. Parker Smith*

UNITED STATES PATENT OFFICE.

HENRY C. STANLEY, OF NEW YORK, N. Y.

ENVELOP-SEALING MACHINE.

No. 900,791.

Specification of Letters Patent.

Patented Oct. 13, 1908.

Application filed February 24, 1908. Serial No. 417,411.

To all whom it may concern:

Be it known that I, HENRY C. STANLEY, a citizen of the United States of America, and a resident of the borough of Manhattan, city, county, and State of New York, have invented certain new and useful Improvements in Envelop-Sealing Machines, of which the following is a specification.

My invention relates to mechanism for rapidly and securely sealing envelopes and moistening the flaps for such sealing all at one operation, and comprises a simple mechanism for doing this work.

The best form of apparatus at present known to me embodying my invention is illustrated in the accompanying sheet of drawings, in which:

Figure 1 is a perspective view of the apparatus. Fig. 2 is an end view. Fig. 3 is a vertical section on line 3—3 of Fig. 1, and Fig. 4 is a horizontal section on line 4—4 of Fig. 3, looking upward.

Throughout the drawings like reference figures indicate like parts.

1 is the bed plate or main frame which may be a section of the top of a table or stand. 2 is a plate set longitudinally in or fastened to said main frame and provided with the upwardly bent extension 3, which is bent forwardly at 4, downwardly at 5, and backwardly at 6 to form a guide for the envelop flap. Beneath this portion of the plate is a tank 7 for holding water and in which one end of the wick 8 is immersed. The remainder of the wick is stretched along over the portion 4 of the plate extension, down through opening 9, along the upper side of the portion 6, and terminates over the opening 10. The main portion 2 of the plate has an opening 11 under the opening 10, and over the tank 7. At the end of plate 2 are a pair of freely rotating pressure rolls 12 and 13. The upper roll 13 is journaled in a housing 14 which slides up and down in the vertical guide 15. A series of weights 16, 16, may be placed on this housing to regulate the pressure of the roll 13.

In operating my invention, water placed in tank 7, saturates wick 8, the surplus dripping down through openings 10 and 11 back to the tanks. The envelop to be sealed is

laid on plate 2, with its flap uppermost and slid toward extension 3. This guides and bends the flap over so that its gummed side is pressed down on that portion of the damp wick lying on top of part 6, of the extension and moistened thereby. The dampened envelop then passes on under roller 13, the weights being so adjusted as to give the necessary pressure for sealing the same.

The advantages of my invention comprise its cheapness and simplicity, the rapidity with which it can be operated, only one hand being required, the non-liability to tear or crumple the envelop, there being little obstruction offered to its passage, and the fact that the moistening operation is automatic, it not being necessary to turn on the water nor to turn it off.

The construction described leaves at the front of the apparatus an open continuous passageway for the body of the envelop under the flap guide and moistener, through the sealing rolls. Thus only about one-half of the width of the envelop need be inserted in the apparatus, the remainder projecting from the front of the device where it may be firmly grasped by the hand of the operator during the entire operation.

Having, therefore, described my invention, I claim:

In an envelop sealing device, the combination with the main frame of a plate set longitudinally in the upper surface thereof and provided with a projecting portion bent upwardly, forwardly, downwardly and backwardly to form a flap guide, a wick extending along said flap guide, a tank in which the other end of the wick is immersed located below the plate and a pair of pressure rollers located at one end of the plate, said plate having an opening under the upper end of the wick and over the tank, and a second opening in the rearwardly bent portion of the plate under the end of the wick and over the first mentioned opening.

Signed at New York, N. Y. this 21st day of February 1908.

HENRY C. STANLEY.

Witnesses:

A. PARKER SMITH,
M. G. CRAWFORD.