

A. OLSON.
 ENVELOP SEALER.
 APPLICATION FILED APR. 11, 1911.

1,059,385.

Patented Apr. 22, 1913.

2 SHEETS-SHEET 1.

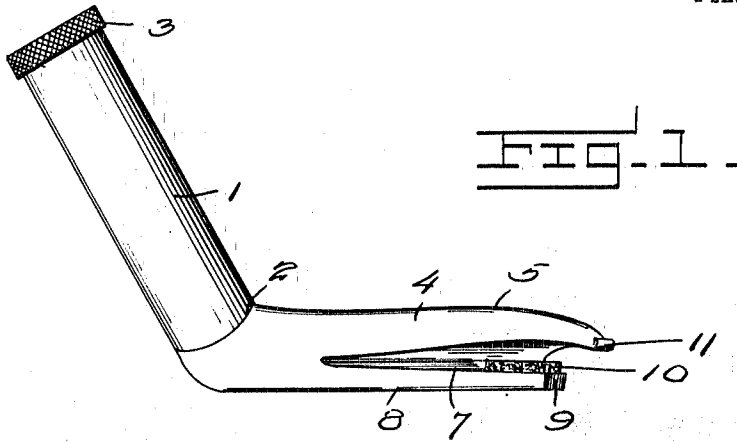


Fig. 1.

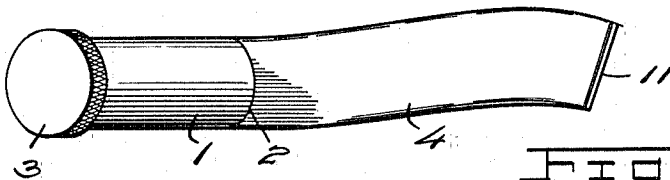


Fig. 2.

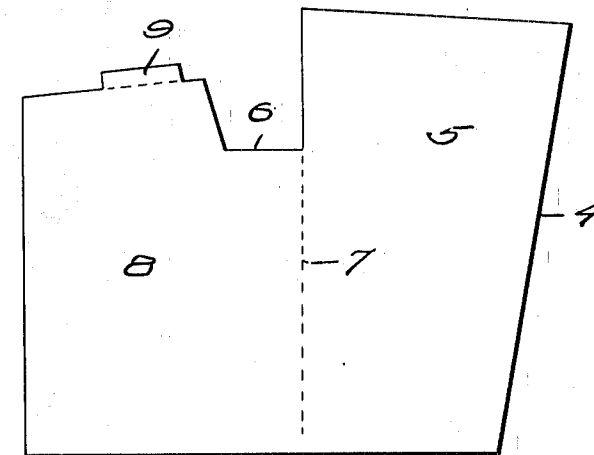


Fig. 3.

Inventor
 A. Olson,

Witnesses

L. H. Armstrong

M. L. Neal

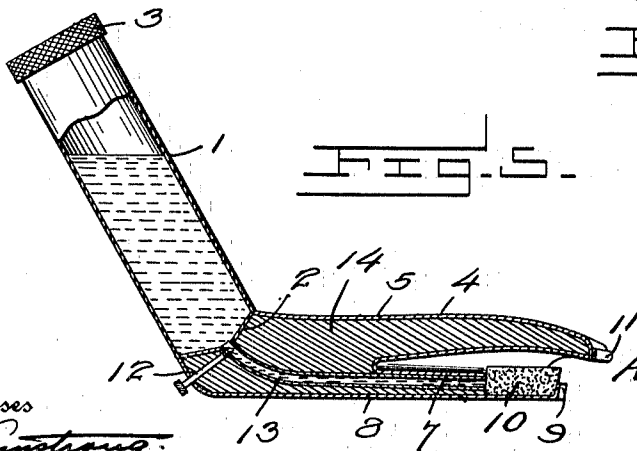
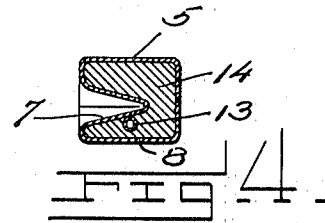
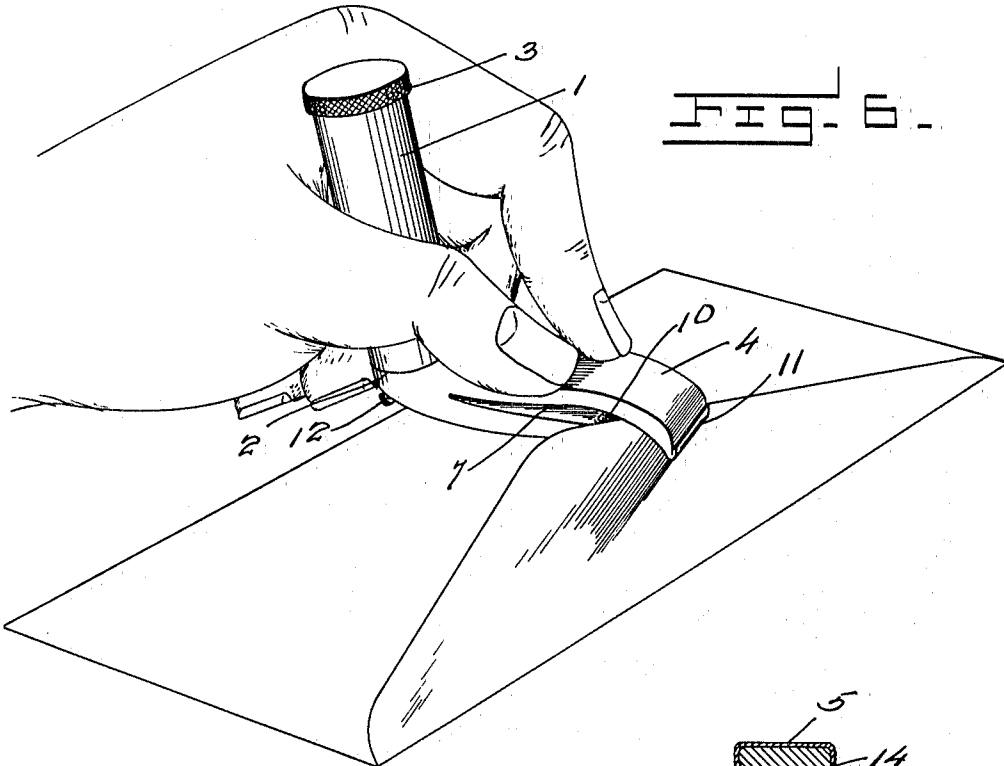
By *Harry Ellis Chandler*,
 Attorney

A. OLSON.
 ENVELOP SEALER.
 APPLICATION FILED APR. 11, 1911.

1,059,385.

Patented Apr. 22, 1913.

2 SHEETS-SHEET 2.



Witnesses
L. H. Cunningham
M. L. Neal

Inventor
A. Olson,
 By *Harry Ellis Chandler,*
 Attorney

UNITED STATES PATENT OFFICE.

ABEL OLSON, OF WINLAW, BRITISH COLUMBIA, CANADA.

ENVELOP-SEALER.

1,059,385.

Specification of Letters Patent.

Patented Apr. 22, 1913.

Application filed April 11, 1911. Serial No. 620,344.

To all whom it may concern:

Be it known that I, ABEL OLSON, a subject of the King of England, residing at Winlaw, in the Province of British Columbia and Dominion of Canada, have invented certain new and useful Improvements in Envelop-Sealers, of which the following is a specification.

My invention relates to improvements in envelop sealers, and has for its leading object the provision of an improved device for manual operation which will serve to both moisten the gummed flap of the envelop and to press the same down tightly against the body of the envelop to seal the same.

A further object of my invention is the provision of an envelop sealing device having a tank for containing the moistening fluid and having means for regulating the flow of said fluid to the moistener, whereby said moistener will be provided with the necessary supply of fluid to keep the same in a moistened but not soaked condition whether the same is used slowly or at a high rate of speed.

Another object of the invention is the provision of a simple and efficient envelop moistener having improved means for guiding the flap of the envelop between the moistener and the pressing finger which serves to press said flap into sealed position.

Other objects and advantages of my improved envelop sealer will be apparent from the following description taken in connection with the drawings, and it will be understood that I may make any modifications in said construction within the scope of the claims without departing from or exceeding the spirit of the invention.

Figure 1 represents a side elevation of my improved device. Fig. 2 represents a top plan view thereof. Fig. 3 represents a plan view of the blank from which the lower portion of my device is formed. Fig. 4 represents a cross sectional view of the device. Fig. 5 represents a longitudinal sectional view thereof, and Fig. 6 represents a view of the device in use.

In the drawings, the numeral 1 designates the inclined tubular handle of my sealer which is adapted to serve as a tank to contain the water for moistening the gummed flap of the envelop, said tank having a constricted lower end 2 and having fitting on its upper end the screw cap or cover 3

which serves as a closure for the upper end of the handle and prevents the escape of the fluid therefrom.

Secured to the lower constricted end 2 of the tubular handle is the sheet metal member 4 formed from the blank shown in Fig. 3. By reference to said figure it will be seen that said blank comprises the large portion 5 having the central recess 6 formed therein and scored rearwardly from said recess at 7 to facilitate the bending thereof, while formed on the forward edge of the smaller portion 8 of the blank adjacent the recess is the lug or flange 9 adapted to be stamped upward. In the formation of the member 4 from the said blank, the blank is first bent on the scoring 7 to provide two flat portions which are then curved in opposite directions around a suitable metal form which is of the same shape as the completed member 4, the smaller portion 8 of the blank being curved and pressed around the lower portion of the form to provide a flattened tube, the recess 6 providing an opening at the lower end of the upper face of the tube, while the flange 9 forms a closure at the bottom, a sponge 10 being engaged in the tube thus provided and having a portion projecting upward through the opening provided by the recess 6.

The larger portion 5 of the blank is curved around the upper portion of the form and has its ends rolled together to provide a rounded depending presser foot or finger 11 which projects over and beyond the sponge containing tube, whereby the finger will engage the flap of the envelop to press it down into sealed position after the sponge has engaged the under side or gummed face of the envelop and moistened said gummed surface.

To control the supply of water to the sponge, I pass through the rear end of the member 4 the needle valve 12 having its point projecting into the discharge tube 13 attached to the lower constricted end 2 of the tube 1, said tube preferably extending into engagement with the sponge 10, although if desired, the liquid may be discharged directly into the rear portion of the member 4 and run along the bottom thereof into the sponge.

When it is desired to additionally strengthen my envelop sealing device and facilitate the operation of the finger 11 with but slight pressure, I may mold therein the

lead filling 14 which serves to increase the weight of the finger and to strengthen it against buckling under pressure.

From the foregoing description taken in connection with the drawings, and construction and operation of my envelop sealing device will be readily understood, and it will be seen that I have provided a simple and efficient device having a central recess into which the flap of the envelop is adapted to fit, there being a sponge supporting member beneath the recess to which water is fed from the handle of the device, the sponge moistened by said water in turn moistening the gummed flap of the envelop, while above said recess and depending beyond the sponge is a presser finger which serves to force the flap down into closed sealed position, the shape of the recess being such as to insure the correct positioning of the envelop flap to be moistened and engaged by the pressing finger.

I claim:

An envelop sealer, comprising a tubular handle member, a sealing member secured

to the lower end of the handle and having a passage in communication with the interior of the handle, said passage terminating in a sponge reservoir, a sponge fitting in the reservoir, and the base having a presser finger curving forwardly and laterally beyond the sponge, said finger being spaced from the reservoir, the said finger and the reservoir portion being connected by a diagonally disposed acute angled portion of material and adapted to close the space upon one side, and so disposed that when the device is run along the flap of an envelop with the edge of the flap in the space the sponge and presser finger will be in correct position to first moisten the flap and then press the same into sealing engagement with the envelop.

In testimony whereof I affix my signature, in the presence of two witnesses.

ABEL OLSON.

Witnesses:

LILIAN C. MACLEOD,
MAY E. SMITH.