

No. 756,635.

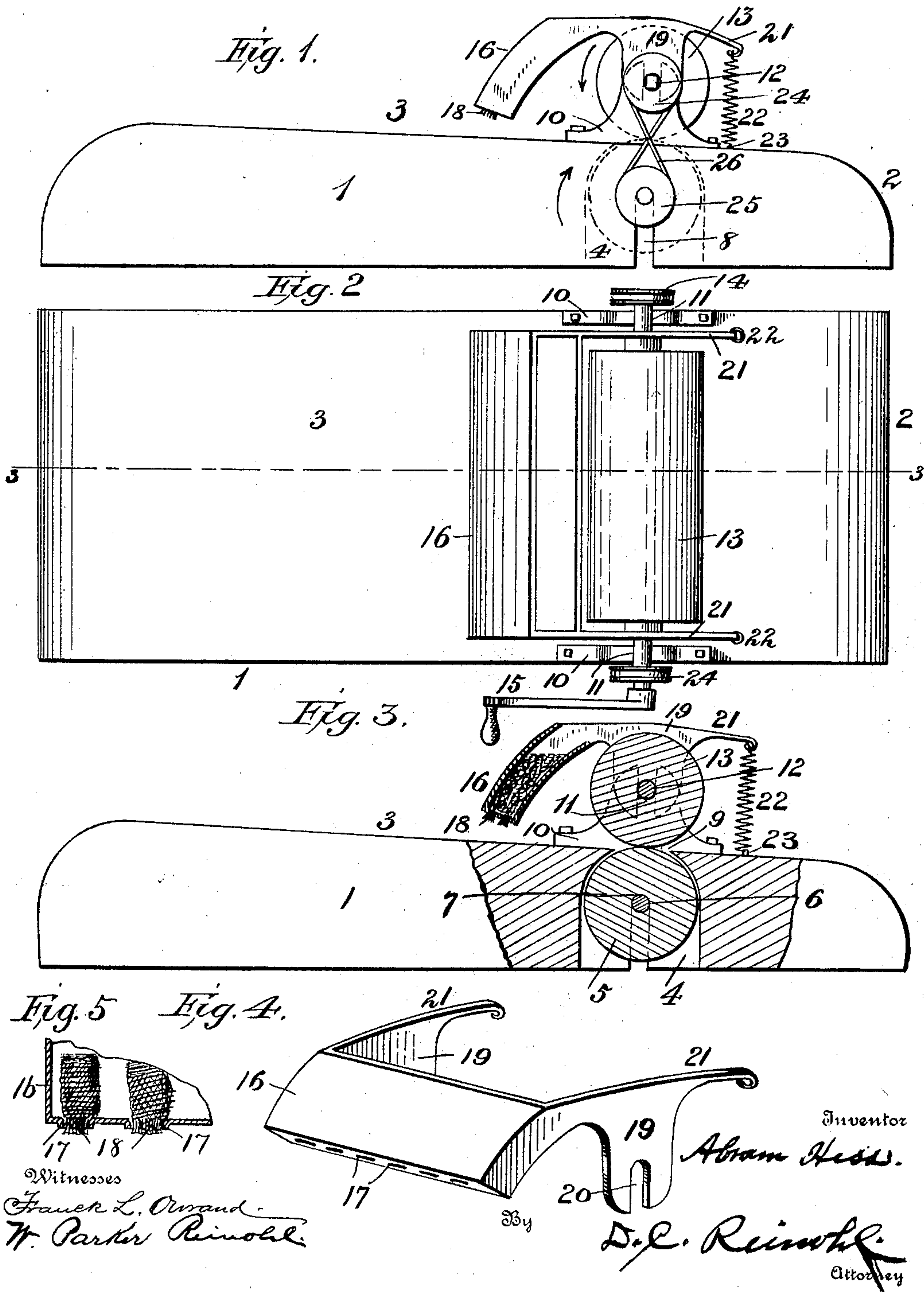
PATENTED APR. 5, 1904.

A. HESS.

MACHINE FOR MOISTENING AND SEALING ENVELOPS.

APPLICATION FILED FEB. 9, 1904.

NO MODEL.





# UNITED STATES PATENT OFFICE.

ABRAM HESS, OF LEBANON, PENNSYLVANIA.

## MACHINE FOR MOISTENING AND SEALING ENVELOPS.

SPECIFICATION forming part of Letters Patent No. 756,635, dated April 5, 1904.

Application filed February 9, 1904. Serial No. 192,838. (No model.)

*To all whom it may concern:*

Be it known that I, ABRAM HESS, a citizen of the United States, residing at Lebanon, in the county of Lebanon and State of Pennsylvania, have invented certain new and useful Improvements in Machines for Moistening and Sealing Envelops; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to devices for moistening and sealing envelops, and has for its object a simple, effective, and portable device which may be placed upon a desk or table for use and set aside until required again; and the invention consists in certain improvements in construction, which will be fully disclosed in the following specification and claims.

In the accompanying drawings, which form part of this specification, Figure 1 represents a side elevation of my invention; Fig. 2, a top plan view of the same; Fig. 3, a side elevation, partly in vertical longitudinal section on line 3 3, Fig. 2; Fig. 4, a perspective of the tank detached; and Fig. 5, a detail section of tank, showing manner of using wicks.

Reference being had to the drawings and the designating characters thereon, the numeral 1 indicates the base or body of the machine, which may be made of wood or metal, is inclined toward, the discharge end 2 on its top or upper surface 3, and is provided with a chamber 4 to receive the lower roll 5, which is mounted on a shaft 6, which engages a bearing 7 in each side of the body and is inserted in the vertical slot 8, open at its lower end, and in the top of the body is a transverse opening 9, through which the roll 5 projects, as shown in Figs. 1 and 3.

On each side of the body 1 is a bracket 10, having a bearing 11 for a shaft 12, on which is a roll 13, directly over the roll 5 and impinges thereon. The shaft may be provided with a pulley 14 for applying power to revolve the rolls or with a crank 15 for revolving the rolls by hand, if desired.

16 indicates a tank or trough for containing coils of wet wick or felt 18 to moisten the envelops, is provided with perforations or elongated openings 17 and through which the ends of the wick or felt 18 project. The tank is provided with lugs 19, in which are slots 20 to engage the shaft 12 to support the tank thereon, and with arms 21, to which are attached helical springs 22 at one end thereof, and the opposite end of the springs is connected to the base 1 at 23.

The upper shaft 12 and the lower shaft 6 are provided with pulleys 24 and 25, respectively, on which is an elastic belt 26, whose tension holds the lower roll 5 in engagement with the upper roll 13 and whose elasticity permits the rolls to separate sufficiently to allow an envelop with its contents to pass between the rolls for sealing the envelop by the pressure of the rolls exerted by the belts.

The rolls 5 and 13 may be metallic tubes or of wood and may be covered with rubber or fabric.

In the operation of the machine an envelop is placed unfolded on the base 1 with the mucilage up, the tank 16 drawn down, and the envelop moistened, when the flap is folded and the envelop or letter passes through or between the rolls by being pushed by the hand of the operator or the rolls may be revolved by the pulley 14 or by the crank 15 and the envelop drawn through or between the rolls and sealed. The tank 16 swings in the arc of a circle as it is drawn down and is returned to its normal position by the springs 22, and the envelops after being sealed are delivered over the end 2 of the machine upon the disk or table on which the machine is supported or into a suitable receptacle.

Having thus fully described my invention, what I claim is—

1. In a machine for moistening and sealing envelops, a pair of rolls, and a tank supported to swing in the arc of a circle in front of the rolls.

2. In a machine for moistening and sealing envelops, a pair of rolls, one of which is fixed,

the other movable from and toward the fixed roll, and a tank supported to swing in front of the rolls.

3. In a machine for moistening and sealing  
5 envelops, a pair of rolls, one of which is fixed, the other movable from and toward the fixed roll, an elastic belt connecting the rolls, and a movable trough in front of the rolls.

4. In a machine for moistening and sealing

envelops, a pair of rolls, and a tank provided with lugs engaging the shaft of one of the rolls and arranged to swing in front of the rolls.

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

ABRAM HESS.

Witnesses:

NED. BOUGHTER,

M. K. REINHARD.