

W. F. STREHLER.
GUMMING OR PASTING MACHINE.
APPLICATION FILED NOV. 28, 1908.

964,133.

Patented July 12, 1910.

Fig. 1.

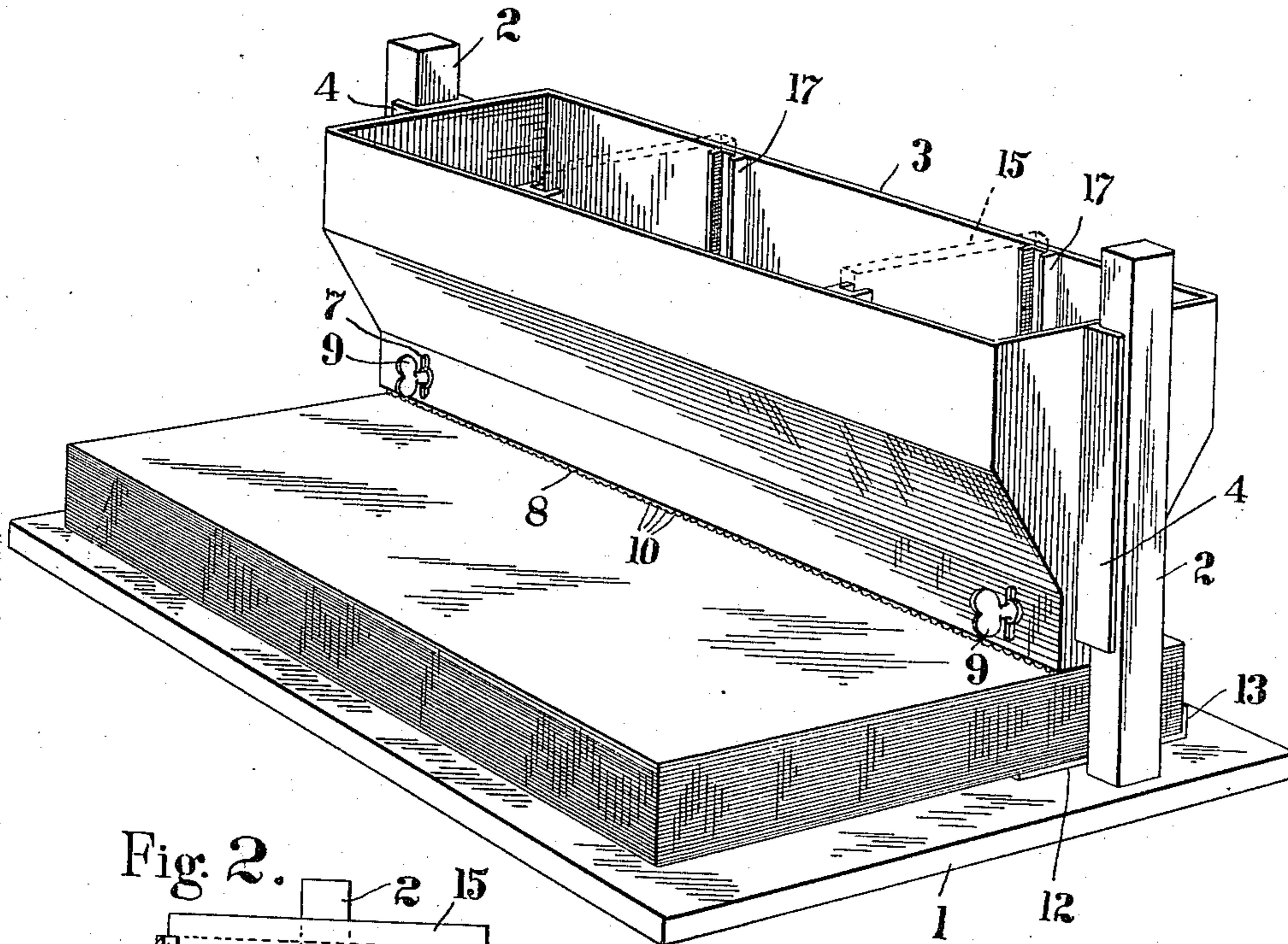


Fig. 2.

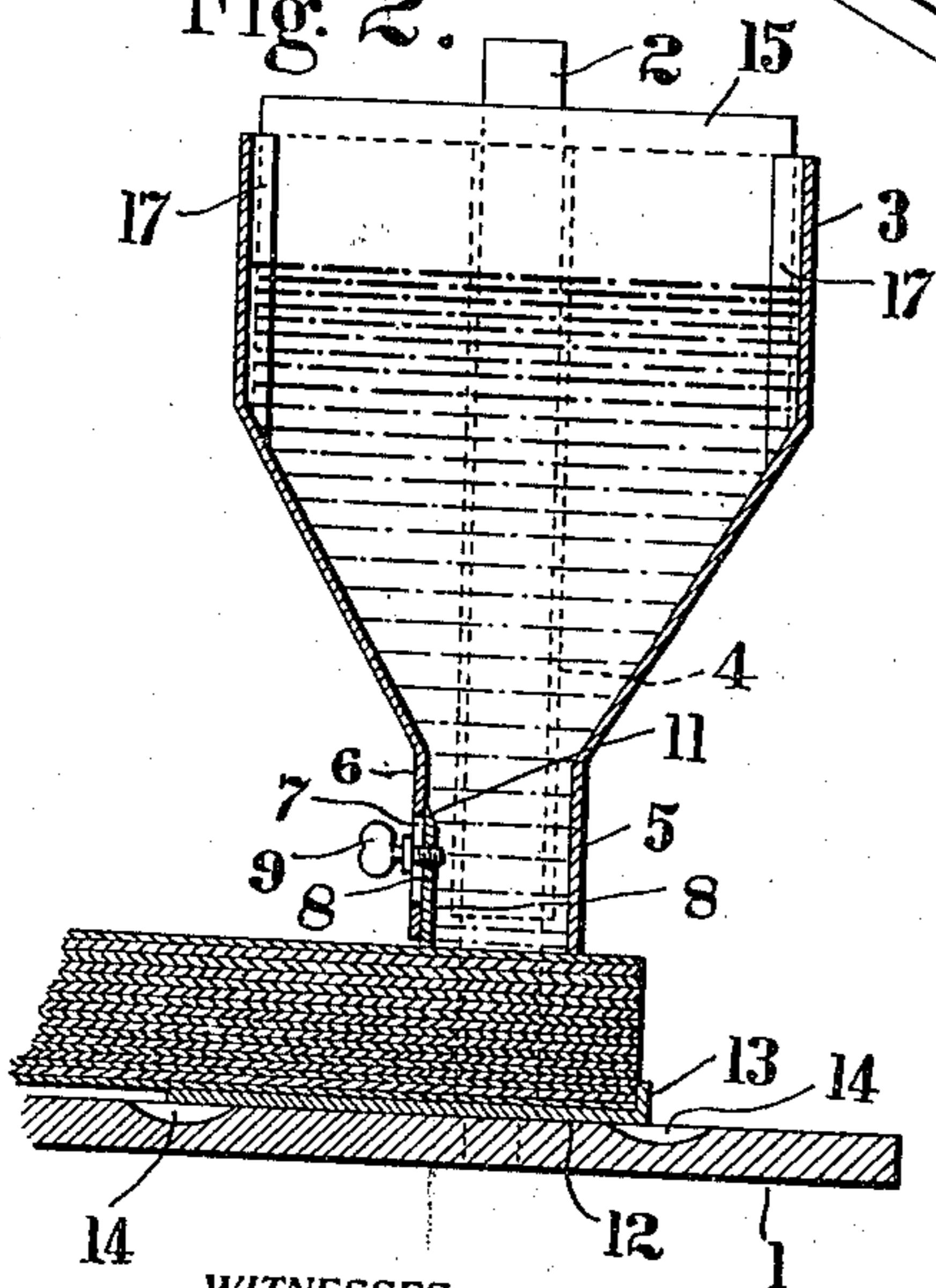
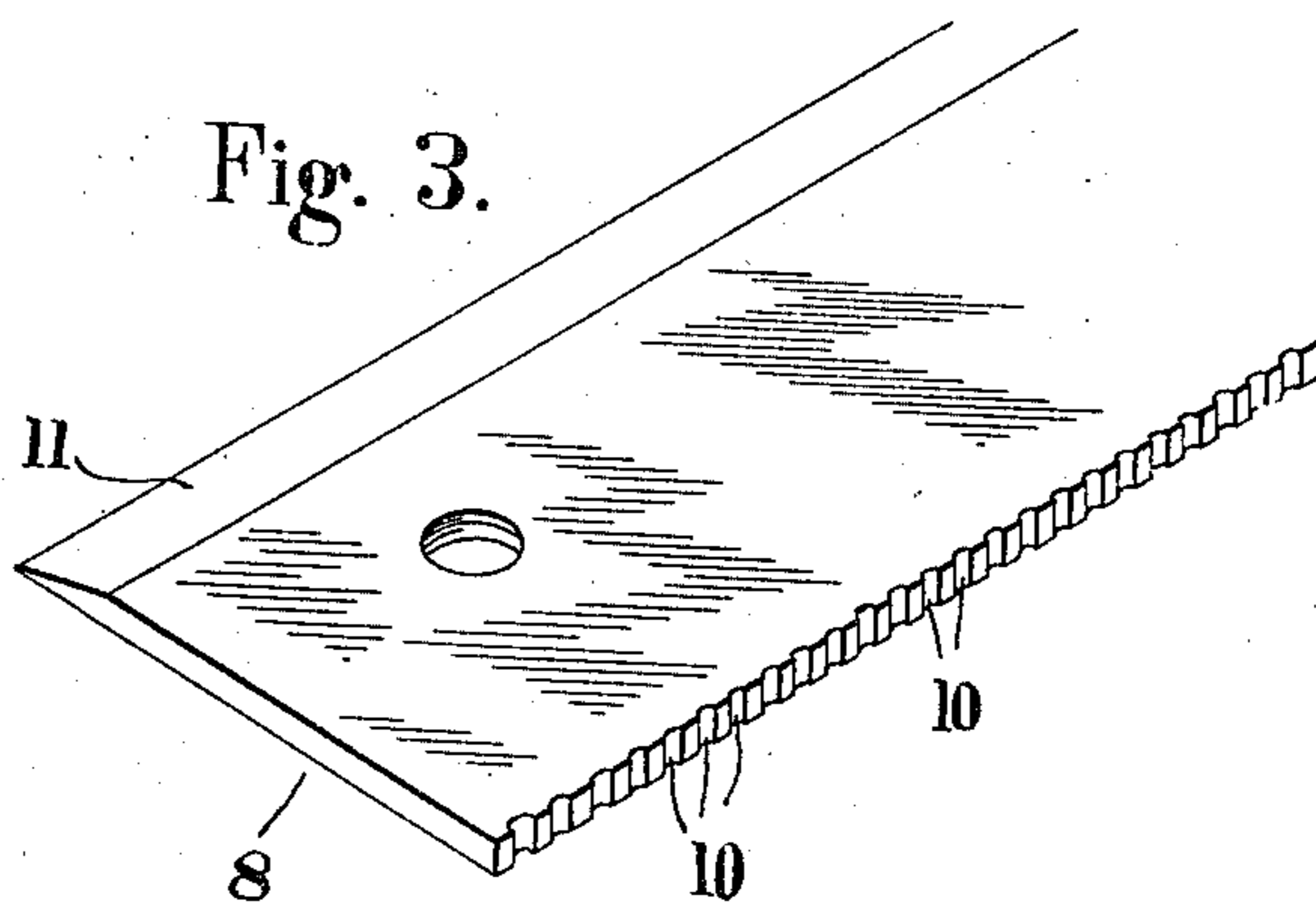


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM F. STREHLER, OF DETROIT, MICHIGAN.

GUMMING OR PASTING MACHINE.

964,133.

Specification of Letters Patent.

Patented July 12, 1910.

Application filed November 28, 1908. Serial No. 464,897.

To all whom it may concern:

Be it known that I, WILLIAM F. STREHLER, a citizen of the United States of America, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Gumming or Pasting Machines, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to machines for pasting or gumming envelops, newspaper wrappers, or the like and more especially to means for applying paste, mucilage or the like whereby the use of adhesive material is 15 so regulated as to insure even distribution over the sheet and whereby a large number of wrapping sheets or the like may be rapidly gummed.

The invention consists in the matters 20 hereinafter set forth, and more particularly pointed out in the appended claims.

In the drawings, Figure 1 is a view in perspective of a machine embodying features of the invention. Fig. 2 is a view in 25 transverse section thereof, and Fig. 3 is a view in detail of an adjustable distributing plate.

Referring to the drawings, a base board or plate 1 is provided with a pair of parallel upright guides 2 of any preferred suitable design. A trough 3 has at each end guide plates 4 which embrace the guides and allow the trough to be raised and lowered on the guides while maintaining its 35 horizontal position. The lower portion of the trough is contracted or V-shaped in cross section and has a discharge neck with parallel walls extending from end to end of the trough; the rear wall 5 of this neck is fixed. The front wall 6 is provided with parallel slots 7 perpendicular to the lower edge of the wall. A distributing plate 8 is clamped against the inside of the wall 6 by thumb screws 9 engaging the slots. The 45 lower edge of the distributing plate has a series of notches or grooves 10 while its upper edge 11 is preferably chamfered to permit the paste or other adhesive to go past it without lodging.

50 A gage plate 12 of hard rubber or the like with an upturned or flanged rear edge 13 rests on the base between the guides 2 so

as to be shiftable laterally, finger grooves 14 in the base plate 1 being formed to permit the ready lifting of the gage plate if desired. A removable division plate 15 may be inserted in the trough between suitable guide members 17 or the like so that the trough may be cut off to suit sheets of different widths. 55 60

In operation, a stack of sheets is placed upon the gage plate between the guides and below the reservoir or trough. If the sheets are not full width, the division plates are used to shorten the trough to correspond to 65 them. The filled trough reservoir is lowered on the top sheet, and follows down the stack as the sheets are withdrawn one by one. The serrated edge of the distributing plate allows the paste to adhere to the withdrawn sheet in parallel ridges, and not be 70 scraped off as would be the case if the edge were straight. By adjusting the distributing plate up or down so as to press with greater or less degree of force against the 75 sheets, a greater or less amount of paste may be applied to the sheet.

Obviously, changes in the details of construction may be made without departing from the spirit of the invention and I do 80 not care to limit myself to any particular form or arrangement of parts.

What I claim as my invention is:—

1. A gumming machine comprising a base, a pair of upright guides thereon, a reservoir trough between the guides having a V-shaped bottom terminating in a discharge neck with parallel walls, guide plates on the ends of the trough engaging the guides, a plate on the inner side of the front wall of 85 the neck having a serrated lower edge forming one lip of the outlet of the neck, thumb screws passing through vertical guide slots in the front wall of the neck and clamping the said plate, and a gage plate removably 95 secured on the base below the reservoir.

2. A gumming machine comprising a base, a pair of upright guides thereon, a reservoir trough between the guides having a V-shaped bottom terminating in the discharge 100 neck with parallel walls, guide plates on the ends of the trough engaging the guides, a plate on the inner side of the front wall of the neck having a serrated lower edge form-

ing one lip of the outlet of the neck, thumb screws passing through vertical slots in the front wall of the neck and clamping the said plate, a gage plate removably secured
6 on the base below the reservoir, and division plates removably secured transversely in the trough.

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

WILLIAM F. STREHLER.

Witnesses:

OTTO F. BARTHEL,
C. R. STICKNEY.