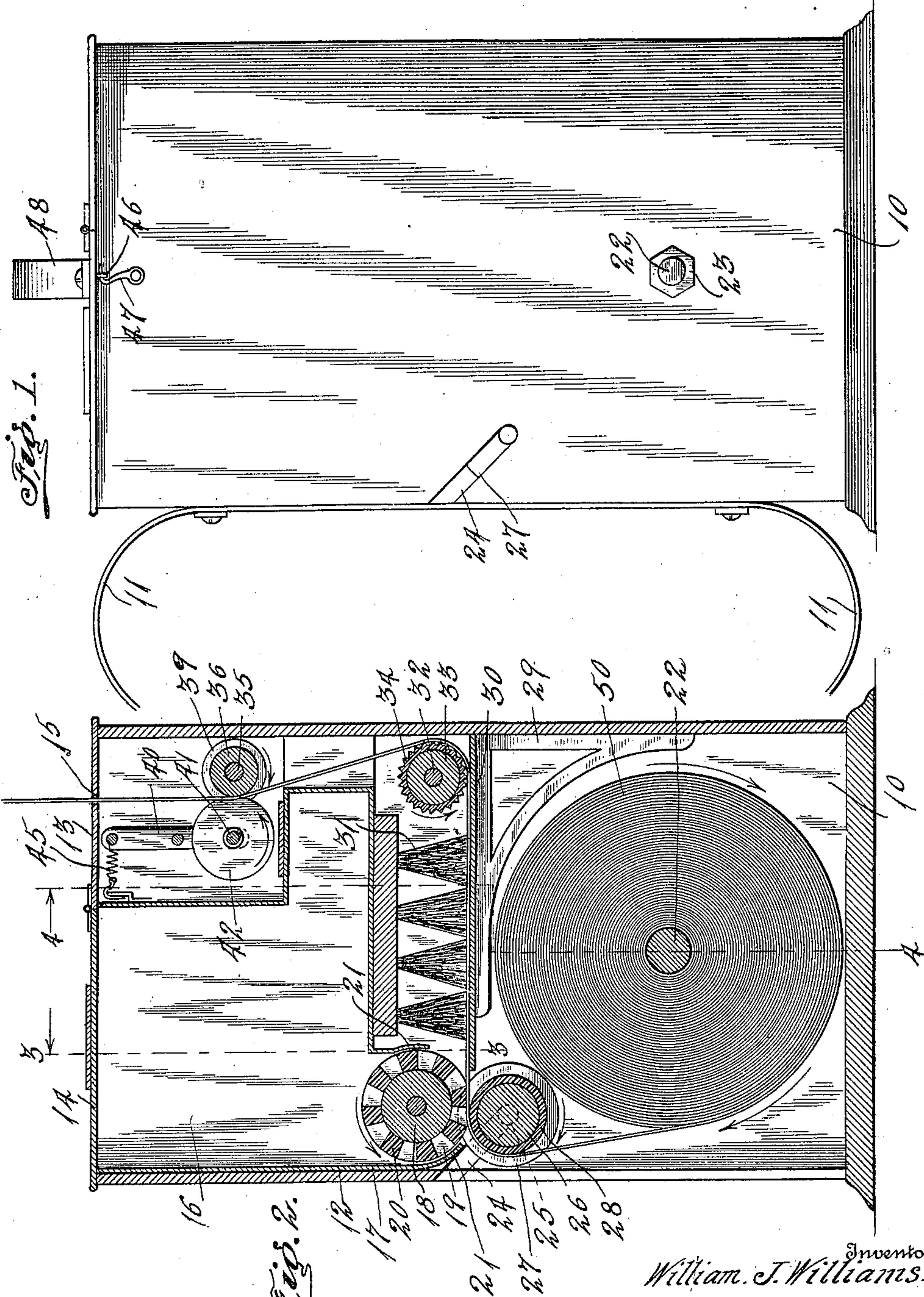


W. J. WILLIAMS.  
PASTING AND TRIMMING MACHINE.  
APPLICATION FILED APR. 20, 1909.

975,666.

Patented Nov. 15, 1910.

3 SHEETS—SHEET 1.



Witnesses  
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W. J. Williams

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William J. Williams.  
By Charles Chandler  
Attorney

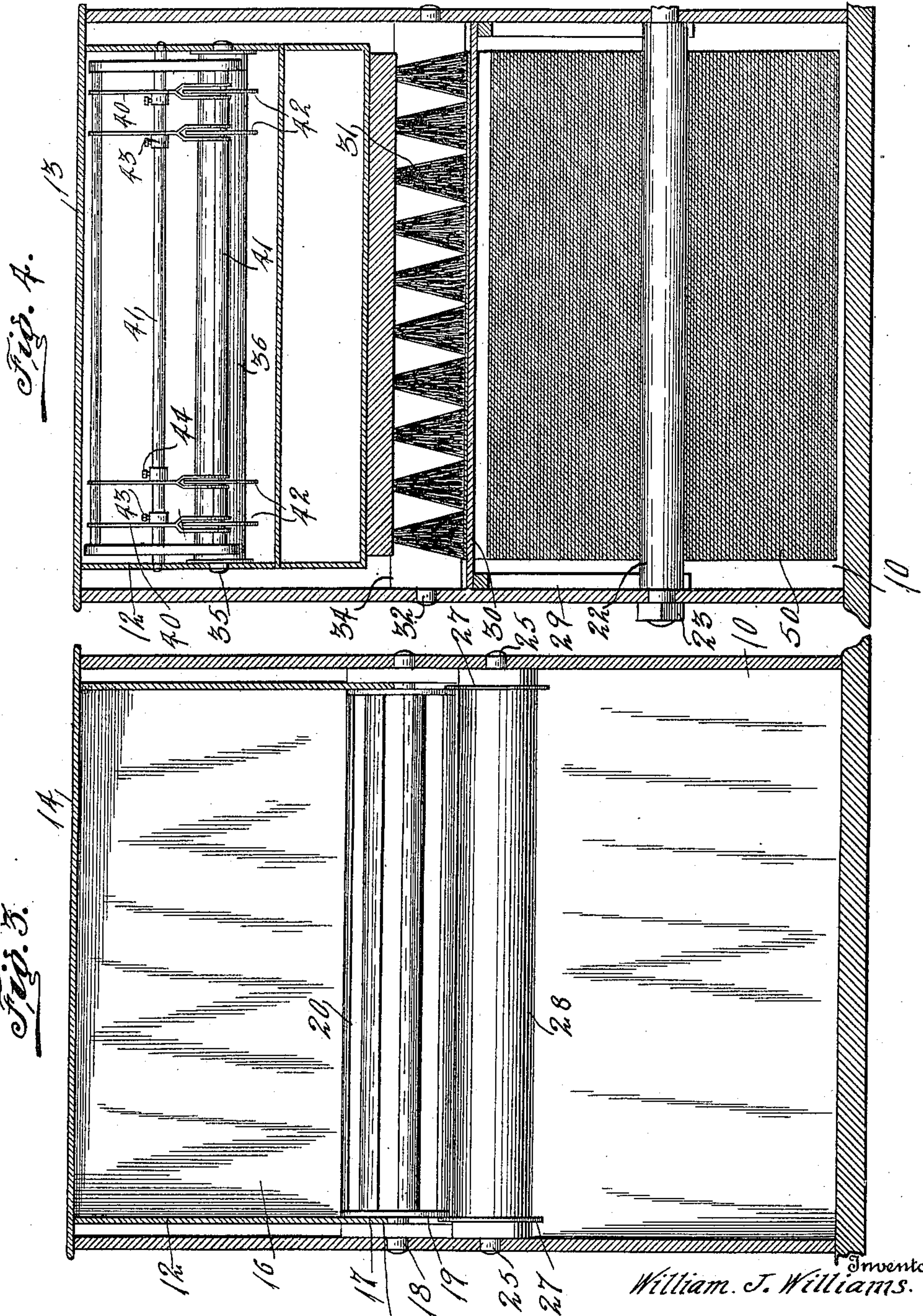


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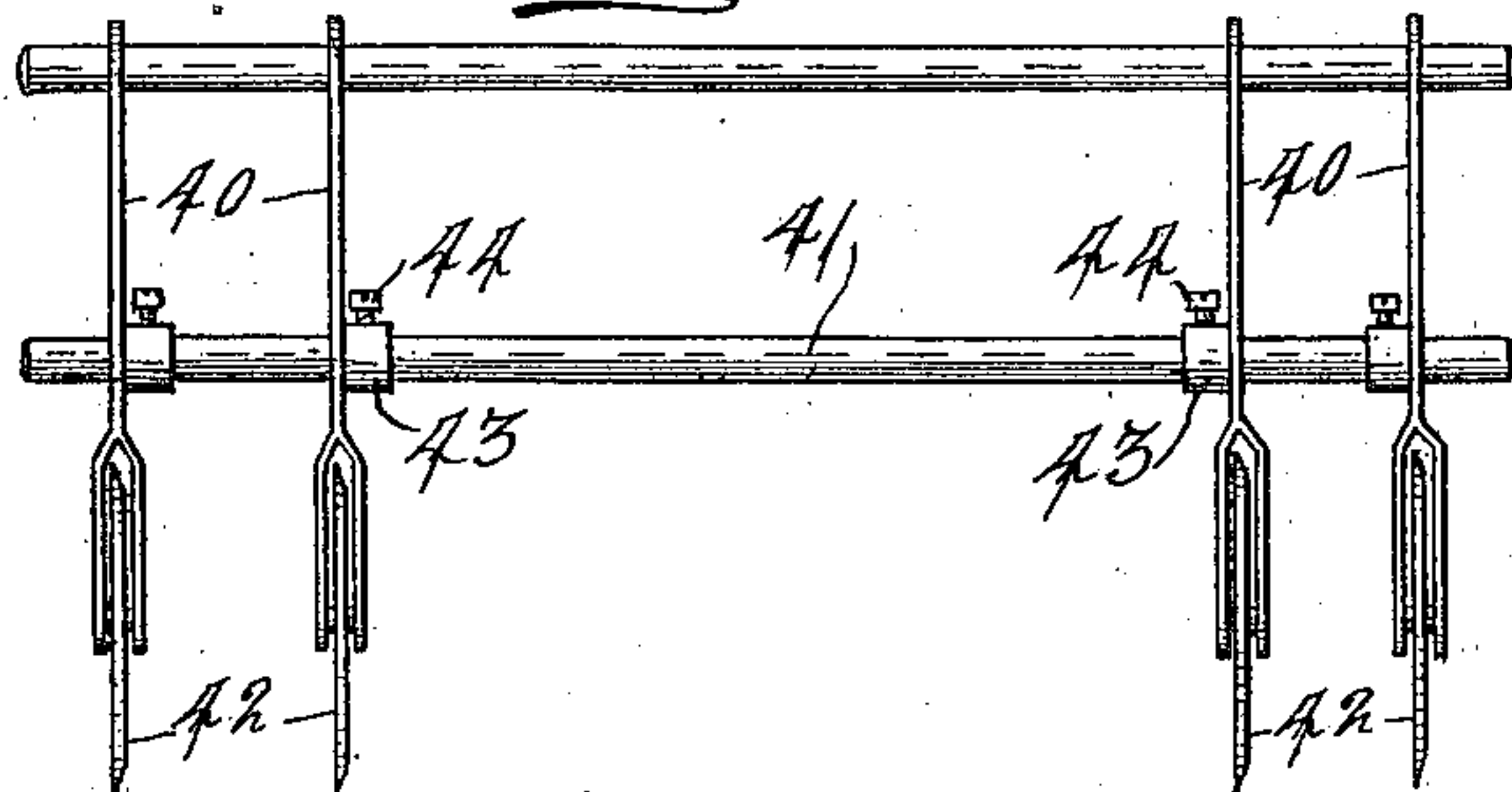
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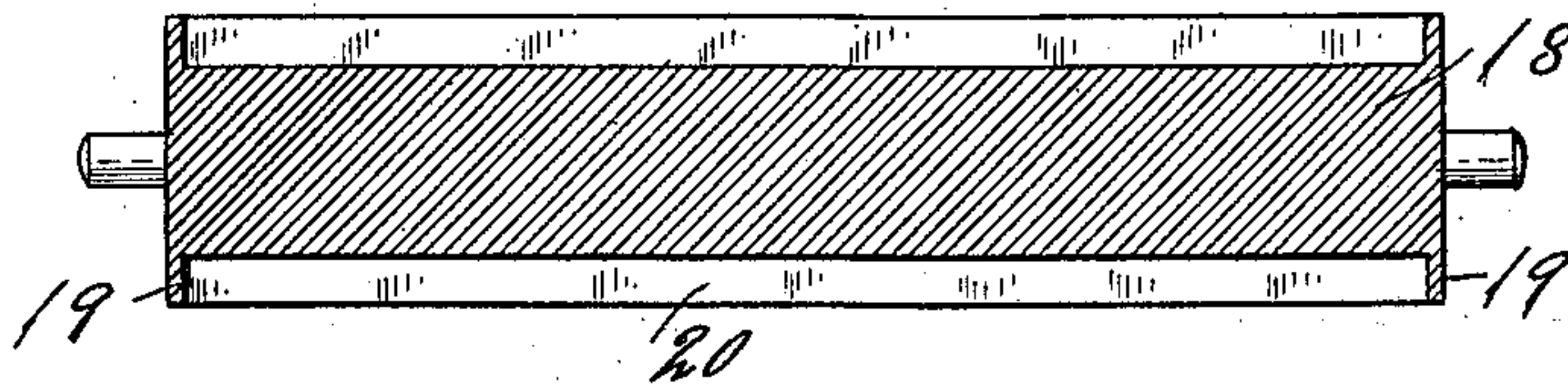
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3 SHEETS—SHEET 3.

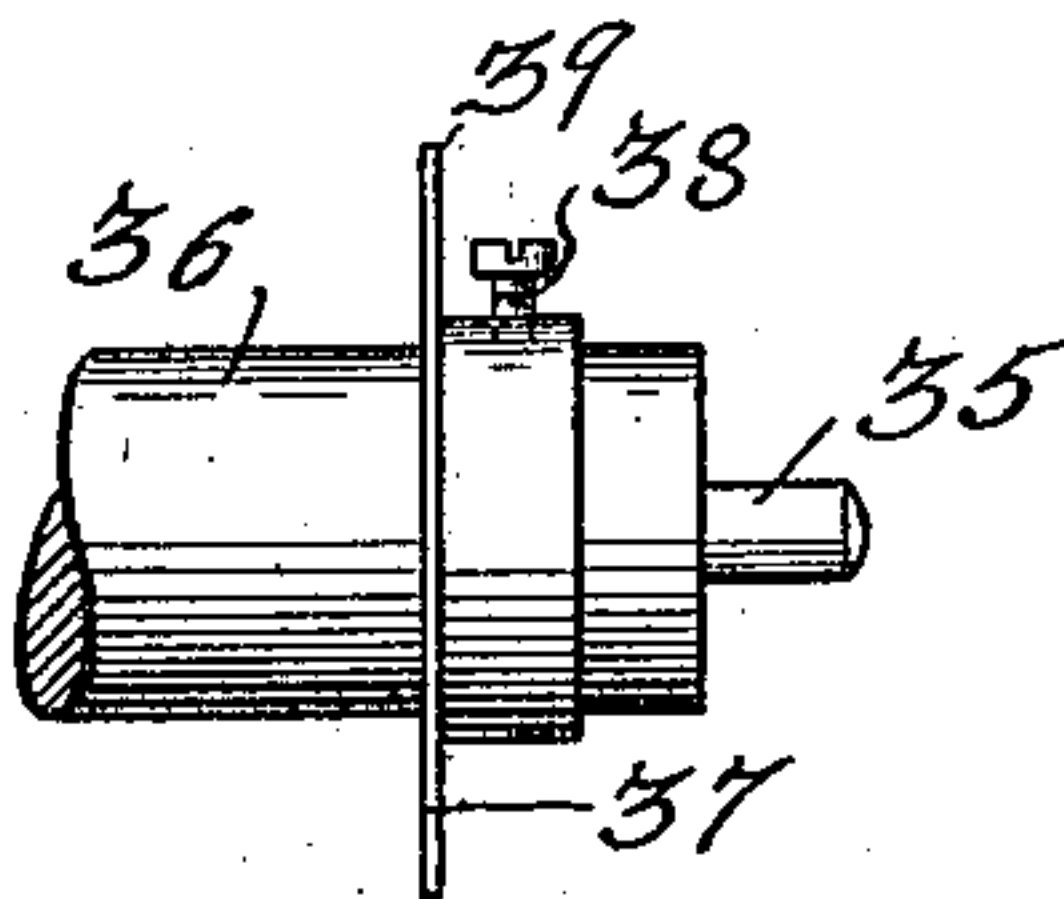
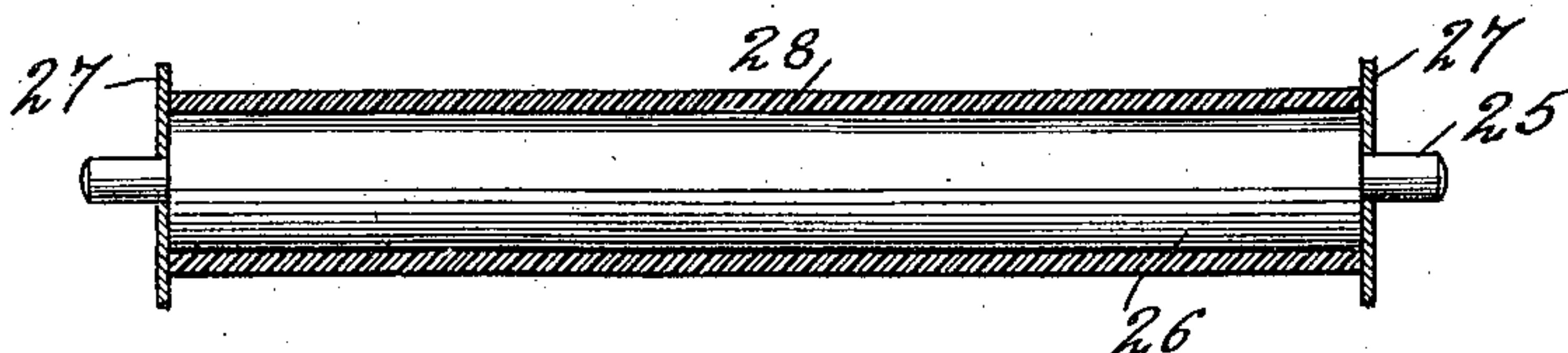
*Fig. 5.*



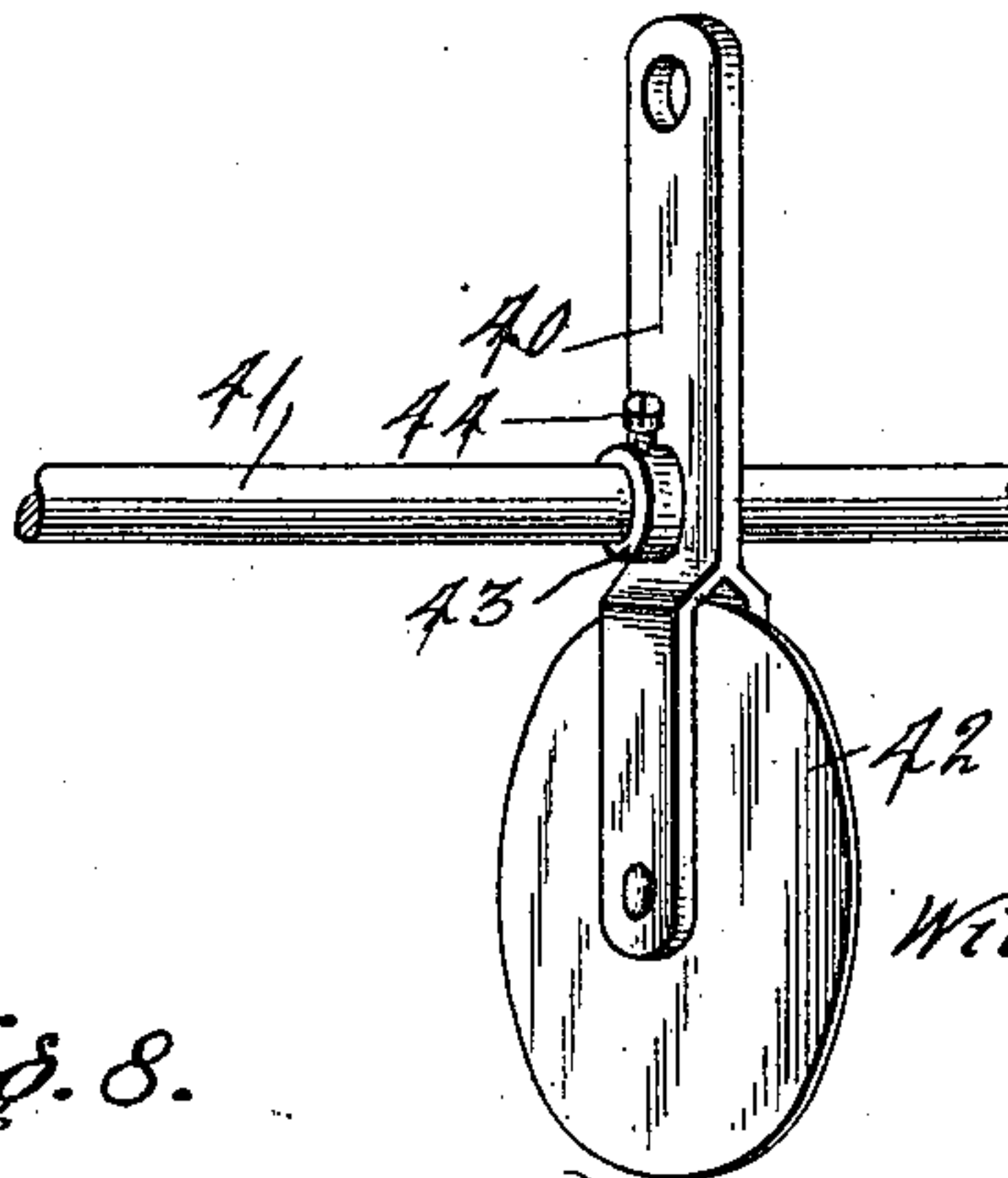
*Fig. 6.*



*Fig. 7.*



*Fig. 9.*



*Fig. 8.*

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# UNITED STATES PATENT OFFICE.

WILLIAM J. WILLIAMS, OF ST. JOSEPH, MISSOURI.

PASTING AND TRIMMING MACHINE.

975,666.

Specification of Letters Patent. Patented Nov. 15, 1910.

Application filed April 20, 1909. Serial No. 491,112.

*To all whom it may concern:*

Be it known that I, WILLIAM J. WILLIAMS, a citizen of the United States, residing at St. Joseph, in the county of Buchanan, State of Missouri, have invented certain new and useful Improvements in Pasting and Trimming Machines; 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.

This invention relates to devices for applying wall paper and more especially to a pasting and trimming machine for use with wall paper.

One object of the invention is to provide an improved general construction of devices of this character.

A second object of the invention is to provide an improved form of pasting roll for use with devices of this character.

A third object of the invention is to provide an improved form of guide roll for the paper after it has been pasted.

A fourth object of the invention is to provide an improved form of cutting or trimming knife or shear for devices of this character.

With the above and other objects in view, the invention consists in general of a casing provided with roll supporting means and a paste receptacle, pasting and guiding rolls, a paste distributing brush, and trimming rolls.

The invention further consists in certain novel details of construction and combinations of parts hereinafter fully described, illustrated in the accompanying drawings, and specifically set forth in the claim.

In the accompanying drawings, like characters of reference indicate like parts in the several views, and;

Figure 1 is a side elevation of a machine constructed in accordance with this invention. Fig. 2 is a longitudinal median section through such a machine. Fig. 3 is a vertical section on the line 3—3 of Fig. 2. Fig. 4 is a similar section on the line 4—4 of Fig. 2. Fig. 5 is a detail view of the shear shaft and blade. Fig. 6 is a detail longitudinal section of the pasting roll. Fig. 7 is a detail longitudinal section of one of the guide rolls. Fig. 8 is a detail view of one of the trimming shears. Fig. 9 is a detail view of the other trimming shear.

The numeral 10 indicates the body of the

device and this body is provided with suitable straps 11 in order that the same may be positioned on the chest of a person using the same when desired. The body 10 is open at the top and is adapted to receive a casing 12 therein. The casing 12 is provided with a cover 13 having a hinged section 14. In the fixed portion of the casing 12 there is provided a slot 15 through which is adapted to be led the paper desired to be applied. Within the casing 12 is formed a paste receptacle 16 provided with downwardly extending portions 17 wherein is mounted a pasting roll comprising a body 18 preferably cylindrical in form, flanges 19 at each end thereof, and spaced longitudinal ribs 20 of rubber. By means of this construction there is formed a pasting roll having a series of longitudinal grooves extending therealong.

In order to prevent the waste of paste the downwardly extending portion 17 is curved at its lower edges as indicated at 21 so as to closely embrace the ribs 20 of the pasting roll. By reason of the ribs 20 being of soft rubber they are both flexible and resilient. This construction plays a very important part in the machine inasmuch as the paste carried around in the grooves is squeezed out by the weight of the roll on to the paper, the soft rubber yielding to permit such squeezing. Furthermore, the flexibility of the ribs permits the paper being drawn through the machine with less danger of tearing owing to the fact that if the pasting roll sticks the ribs will yield to sufficient extent to prevent such tearing of the paper.

In order to support a roll of paper in the body of the machine there is provided a shaft 22 having on each of its ends a nut or the like as indicated at 23. The casing 10 is channeled as indicated at 24 and these channeled portions serve to support the journal end 25 of a guide roll 26 provided with a pair of spaced guide flanges 27 and a rubber jacket or casing 28. Supported on brackets 29 is a pasting table 30 preferably termed the paste distributing table. A paste distributing brush 31 is mounted above this table on the under side of the casing 12 so that the ends of the brush fibers bear lightly against the table 30. Mounted in the casing 12 is a shaft 32 whereon is supported a guide roll comprising a cylindrical body 33 and a rubber jacket 34, the latter being provided with longitudinal serrations



as clearly shown in Fig. 2, these being for the purpose of preventing the adhesion of the pasted paper to said roll. Mounted in the casing 12 is a shaft 35 whereon is carried a roll 36 having mounted thereon a pair of collars 37 arranged to be held by set screws 38 in adjusted position on the roll 36 and having their inner edges formed square as at 39. Fixed to each of the side walls of the casing 12 is a shaft 41 supporting forked levers 40 each of which carries a blade 42. The levers are provided with hubs 43 carrying set screws 44 adapted to hold the blade 42 in adjusted position on the shaft 41. Springs 45 are attached to the upper end of each of the levers 40 and are secured to the casing 12 as clearly indicated in Fig. 2.

In order to hold the casing 12 securely within the casing 10 the top of the casing is provided with eyes 46 and coacting hooks 47 are carried on the outside of the casing 10. A handle 48 is also mounted on the top of the casing 12 whereby the device may be transported from place to place. In the present instance a roll of paper is shown mounted in the device as indicated at 50.

In using this device a roll of paper is placed on the shaft 22 as indicated in Fig. 2. The paper is then led between the guide roll 26 and the pasting roll. From there it is led over the table 30 being face down, around the guide roll 33, and up between the cutting roll 36 and the coacting cutting shaft 41. From thence it is led out of the slot 15. When the paper, having been thus led, is pulled out of the device the paste is deposited in a series of strips there-across by means of the pasting roll, this paste is then distributed by means of the brush 31. The paper then passes up through the cutting roll and is trimmed to the proper size, the blades having previously been adjusted to suit the width of margin of the paper.

In operating the invention, when it is desired to paste the paper on a wall the device is set adjacent the wall upon the floor, the paper drawn out and attached at the top and then brushed down, being cut off at the bottom of the wall. When the device is used for pasting paper on a ceiling the straps 11 are utilized to secure the machine to the body of the operator. The end of the paper is then applied to the ceiling and the operator walks across the usual scaffolding brushing the paper up at the same time.

There has thus been provided a simple and efficient device of the character described and for the purpose specified.

It is obvious that many minor changes may be made in the form and construction of this invention without departing from the material principles thereof. It is not, therefore, desired to confine the invention to the exact form herein shown and described, but it is wished to include all such as properly come within the scope thereof.

Having thus described the invention, what is claimed as new, is:—

In a device of the kind described, a casing, a paper roll support held therein, a guide roll, a paste receptacle, a paste applying roll, a paste distributing table, a paste distributing brush mounted thereabove, a second guide roll provided with a rubber cover having longitudinal serrations thereon, a platen roll provided with a pair of spaced guides, and a yieldable shaft supported to press toward the platen roll and provided with a pair of spaced knife members.

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

WILLIAM J. WILLIAMS.

Witnesses:

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JOHN H. ESDERS.