

No. 661,101.

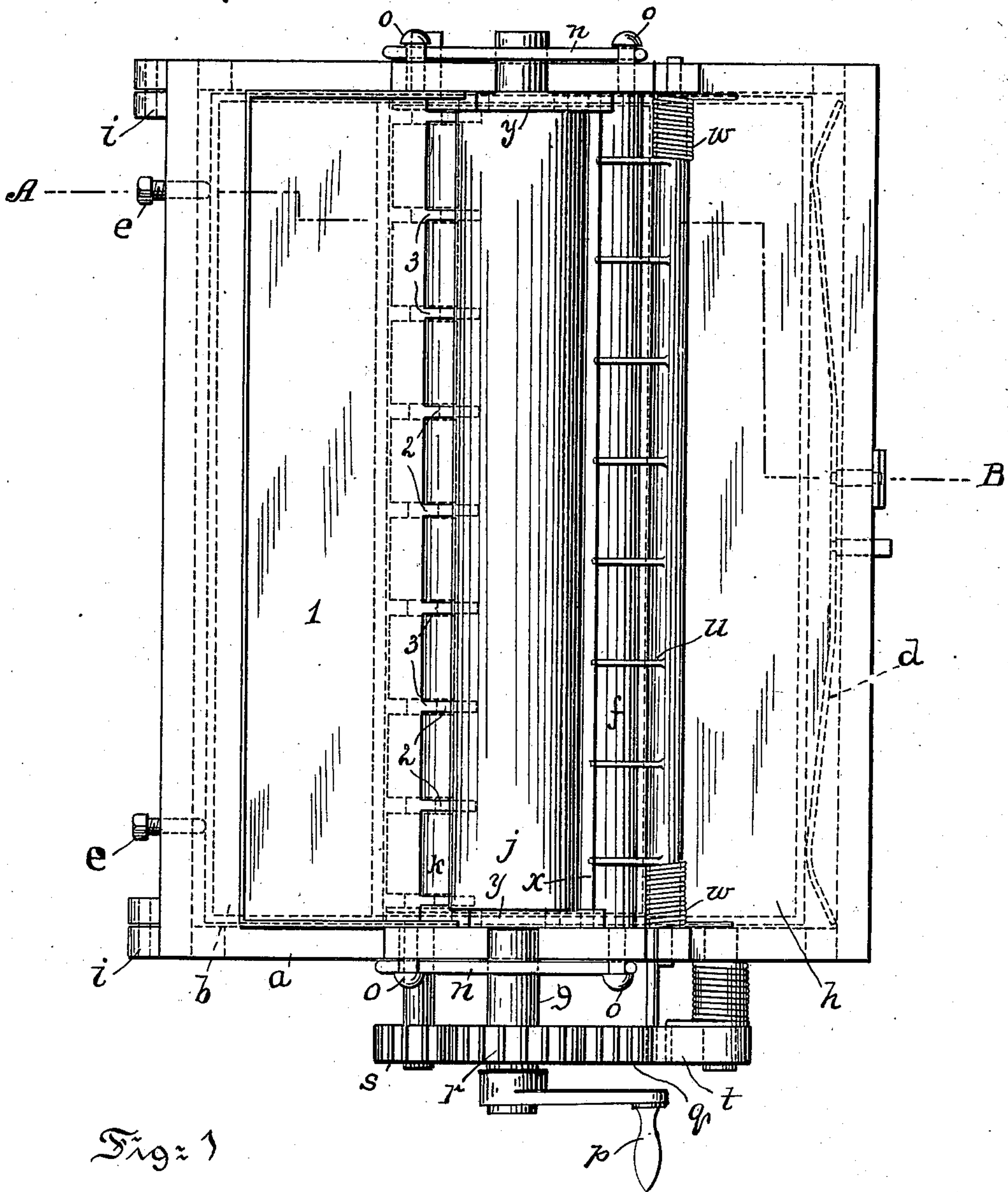
Patented Nov. 6, 1900.

H. R. GRASSMANN.
LABEL GUMMING MACHINE.

(Application filed Jan. 18, 1900.)

(No Model.)

2 Sheets—Sheet 1.



Witnesses:
W. A. Schaefer
Craig Shires

Inventor
Hugo R. Grassmann.
By his attorney Chas. A. Rutter

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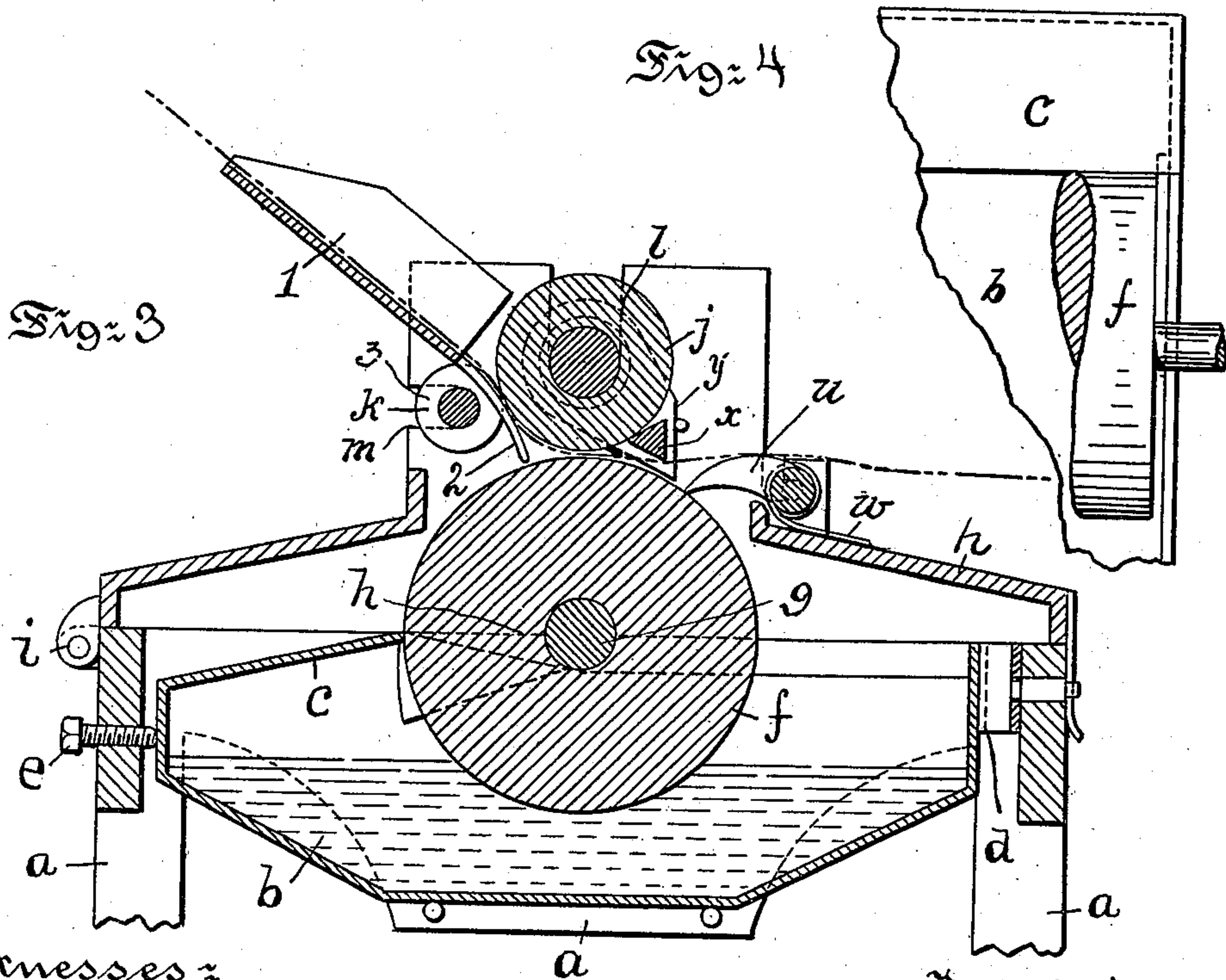
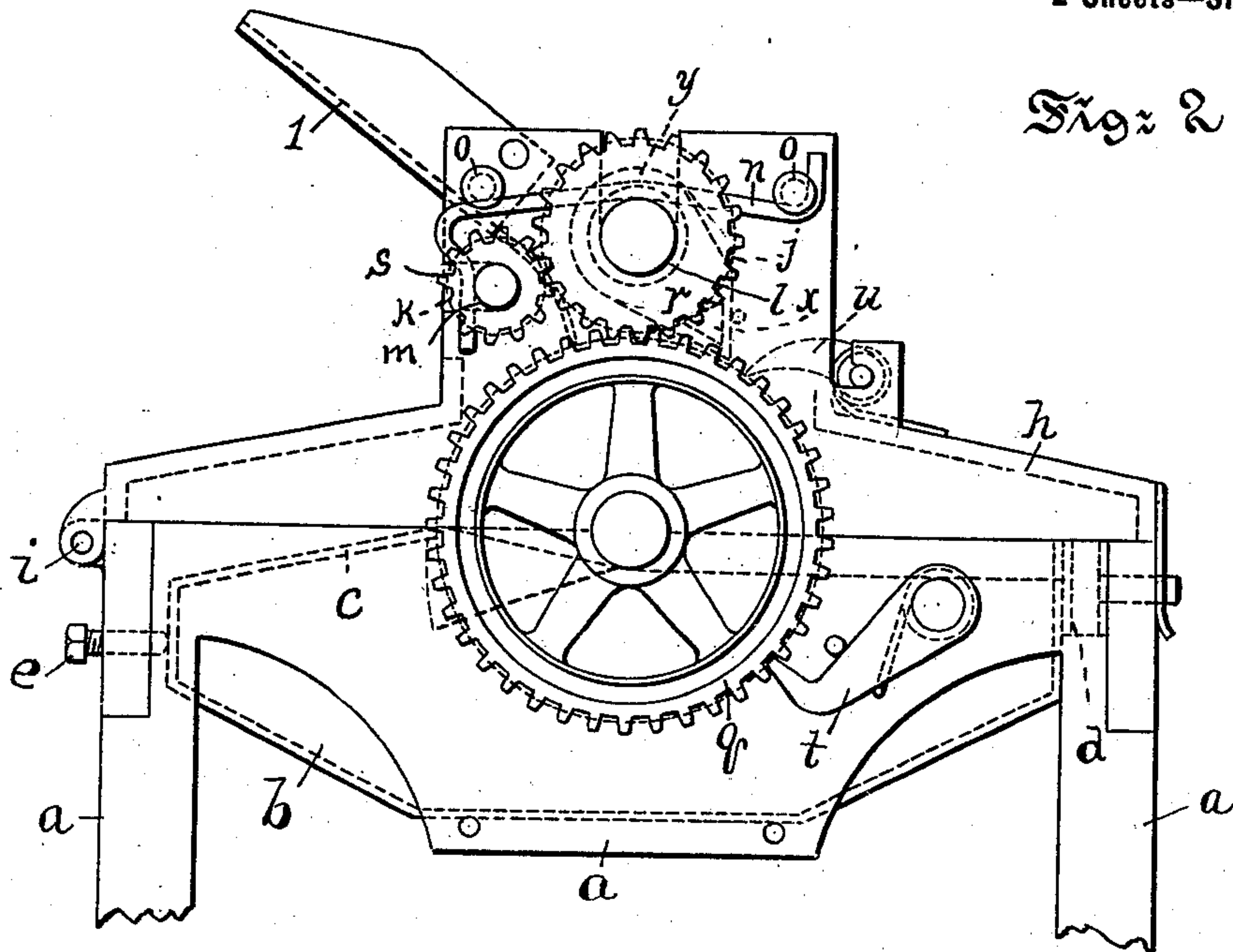
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UNITED STATES PATENT OFFICE.

HUGO R. GRASSMANN, OF PHILADELPHIA, PENNSYLVANIA.

LABEL-GUMMING MACHINE.

SPECIFICATION forming part of Letters Patent No. 661,101, dated November 6, 1900.

Application filed January 18, 1900. Serial No. 1,874. (No model.)

To all whom it may concern:

Be it known that I, HUGO R. GRASSMANN, a citizen of the United States, and a resident of the city and county of Philadelphia, State of Pennsylvania, have invented certain new and useful Improvements in Label-Gumming Machines, of which the following is a specification.

My invention relates to improvements in apparatus for gumming labels; and it consists of a gumming-roller dipping into a body of gum carried by a trough, which is integrally furnished with a strickle or scraper for removing surplus gum from the roller, the said trough being carried by a frame and being capable of a movement therein at right angles to the axis of the roller, so that the strickle can be adjusted to the roller; of feed-rollers for feeding the label to be gummed to the gumming-roller; of a guide for directing the label to the feed-rollers; of a take-off for lifting the gummed label from the gumming-roll; of means for holding the label in contact with the gumming-roll and preventing it from being carried around the feed-rolls, and of certain details of construction, as hereinafter fully described.

In the accompanying drawings, forming part of this specification, and in which similar characters of reference indicate similar parts throughout the several views, Figure 1 is a plan of my label-gumming machine; Fig. 2, a side elevation of Fig. 1; Fig. 3, a section of Fig. 1 on line A B; Fig. 4, a plan of one end of gumming-roll and part of gum-carrying trough, showing strickles for wiping face and end of roll.

a is a frame; *b*, a trough or box carried in frame *a* and furnished with a strickle or scraper *c*.

d is a spring carried by frame *a*, bearing against the forward end of box or trough *b*; *e*, set-screws carried by rear part of frame *a* and bearing against the rear end of trough or box *b*. By setting the screws *e* in or out the strickle or scraper *c* may be adjusted to the gumming-roll.

f is the gumming-roll, constructed, preferably, of metal and furnished with a shaft *g*, adapted to be supported in bearings in frame *a*.

h is a top hinged to frame *a* at *i*; *j k*, feed-

rolls carried in bearings *l m* in top *h*; *n*, Γ-shaped springs engaging pins *o*, carried by sides of top *h* and the shafts of feed-rolls *j k* and holding these latter in their bearings and permitting them to spring apart or away from the gumming-roll during the passage of the label.

p is an operating-crank on gumming-roll *f*; *q*, a gear on this roll gearing into and driving a gear *r* on feed-roll *j*; *s*, a gear on feed-roll *k*, gearing into and driven by gear *r*; *t*, a pawl engaging gear *q* and preventing a backward movement of the several rolls.

u is a take-off engaging the roll *f* and insuring the label leaving this roll after being gummed. The ends of this take-off are carried detachably in bearings in top *h* and held in position by springs *w*.

x is a bar carried by top *h* or by brackets *y*, carried on the shaft of roll *j*, which keeps label in contact with gumming-roll and prevents it after it has passed between the rolls from being carried up around roll *j*.

l is a feeding-table for carrying the label to the feed-rolls *j k*. The lower end of this table is furnished with projecting fingers 2, which enter grooves 3 in the face of roll *k* and which positively guide the label in between the feed-rolls *j k*.

In operating the device the label is placed on the feeding-table and the crank *p* is turned, driving the several rolls, the feed-rolls *j k* carrying it down to the gumming-roll, and it passes over the top of this roll and is lifted therefrom by the take-off.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. In a gumming-machine, in combination, a frame, a trough carried by said frame and adjustable transversely thereof, a strickle carried by said trough, a gumming-roller carried longitudinally of said frame, a top hinged to said frame, feed-rollers carried by said top, means whereby said gumming and feed rollers may be driven, a feeding-table for carrying labels to said feed-rolls, and a take-off for lifting the gummed label from said gumming-roll.

2. In a gumming-machine, in combination, a frame, a gum-carrying trough carried by said frame, a strickle formed integrally with

said trough, a gumming-roller carried by said frame, a spring carried by said frame engaging the side of said trough opposite to the operative end of said strickle, and set-screws
5 carried by the side of said frame opposite to said spring, said screws and spring operating jointly to adjust the bearing of said strickle against the gumming-roller.

3. In a label-gumming machine, in combination,
10 a gum-carrying trough, a gumming-roller passing through said trough, a pair of feed-rollers, the face of the under one of

which is furnished with a series of grooves, a feeding-table furnished with a series of fingers adapted to enter said grooves, a take-off
15 engaging said gumming-roll, means for revolving said gumming and feed rolls, and a bar for keeping label in contact with gumming-roll and preventing the label from passing up around the upper feed-roller.

HUGO R. GRASSMANN.

Witnesses:

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