

No. 863,973.

PATENTED AUG. 20, 1907.

S. H. EMANUEL.
PRINTER'S FURNITURE.
APPLICATION FILED APR. 19, 1906.

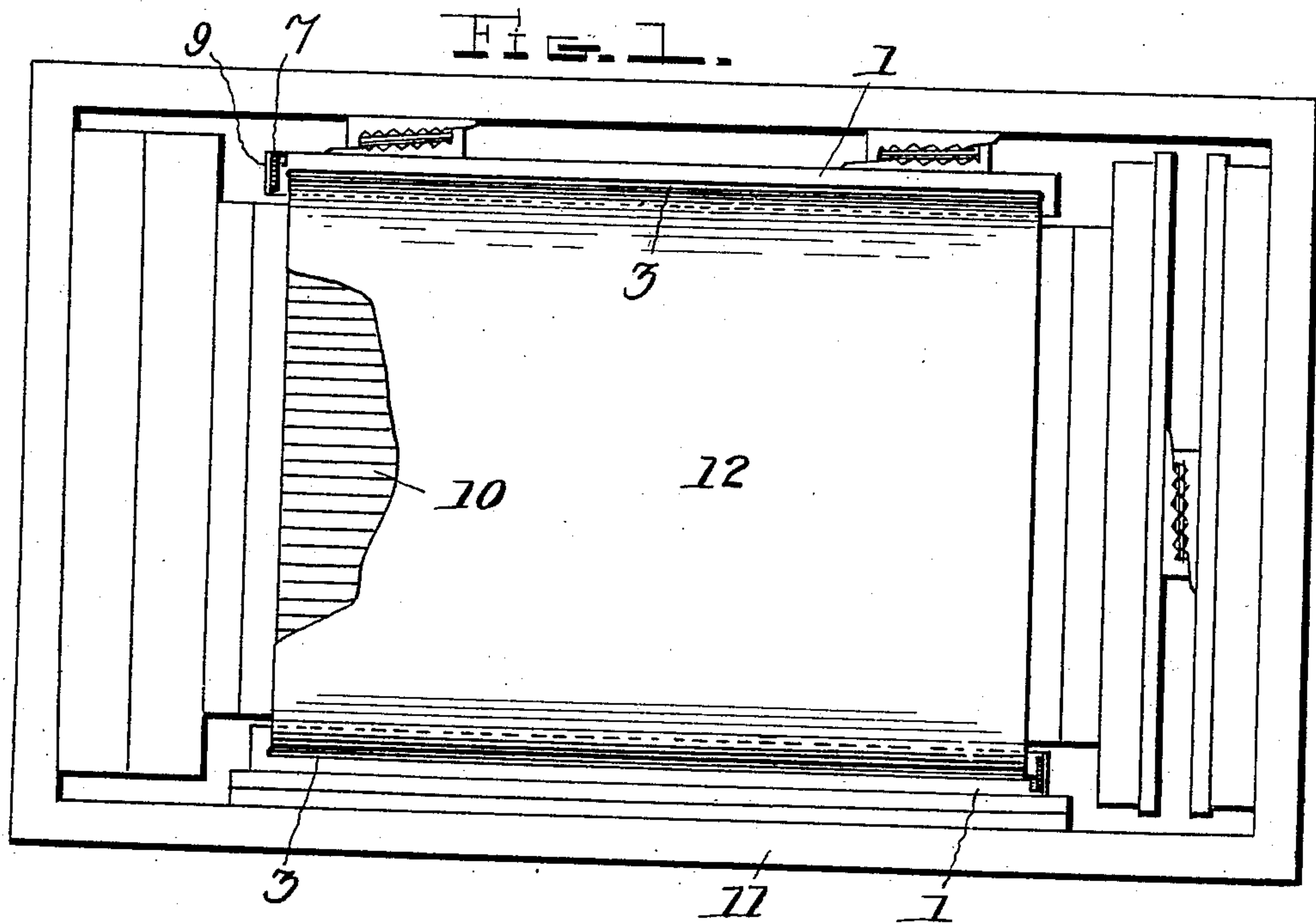


FIG. 2.

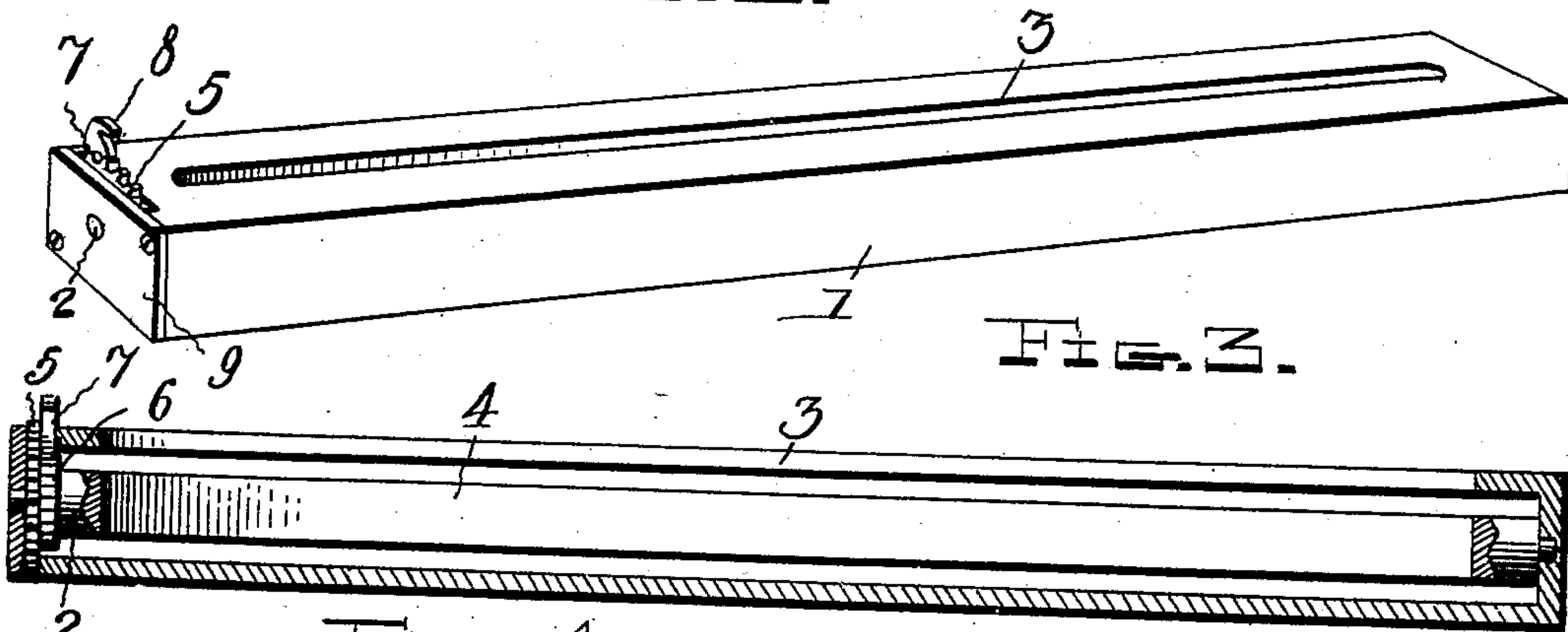
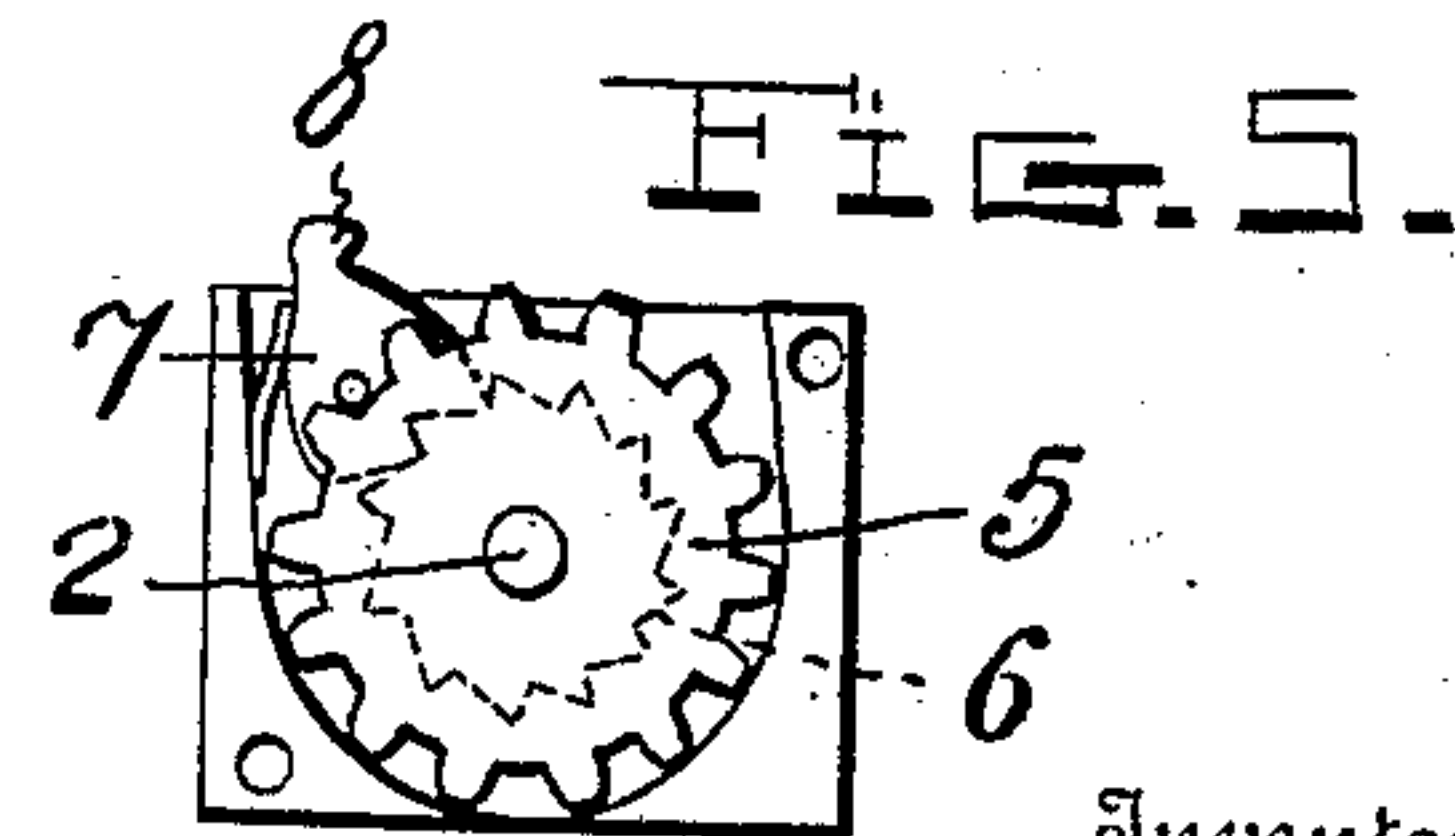
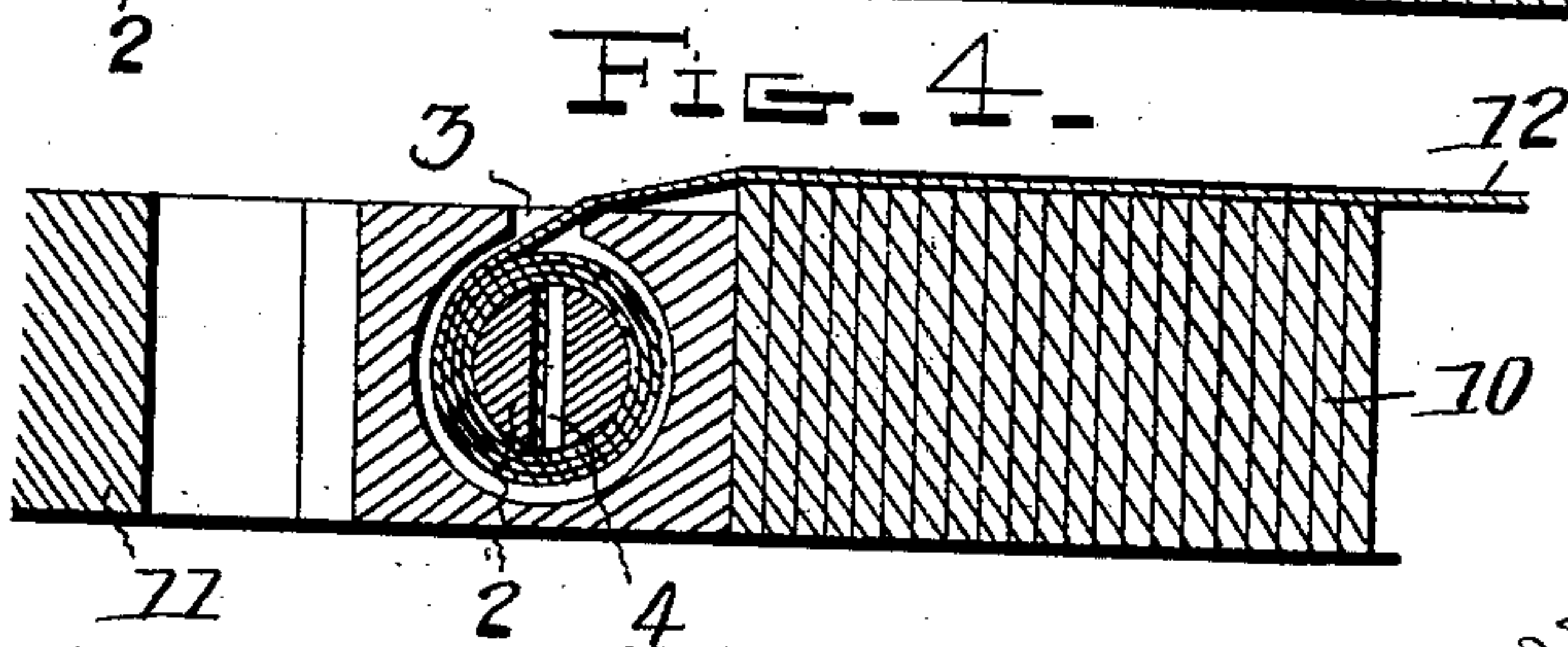


FIG. 3.



Inventor

Solomon H. Emanuel

Witnesses

James A. Kael
Lemuth D. Clarke

By James W. Bevan
His Attorney

UNITED STATES PATENT OFFICE.

SOLOMON H. EMANUEL, OF BALTIMORE, MARYLAND, ASSIGNOR OF ONE-HALF TO BERNARD
MAKOVER, OF NEW YORK, N. Y.

PRINTER'S FURNITURE.

No. 863,973.

Specification of Letters Patent.

Patented Aug. 20, 1907.

Application filed April 19, 1906. Serial No. 312,633.

To all whom it may concern:

Be it known that I, SOLOMON H. EMANUEL, a citizen of the United States, residing at Baltimore, State of Maryland, have invented certain new and useful
5 Improvements in Printers' Furniture, of which the following is a specification.

This invention relates to improvements in printers' furniture, and has special reference to the provision in
10 apparatus for printing imitation typewritten matter, of means for securing the fabric which is interposed between the face of the type and the paper upon which the impression is to be made, in position, the object of the invention being to provide a simple and readily-operated device by means of which the opposite edges
15 of the fabric may be securely held and the fabric adjustably but at the same time positively, secured in proper position.

With the above object in view, the invention consists in the novel features of construction hereinafter
20 fully described, particularly pointed out in the claims, and clearly illustrated by the accompanying drawing, in which,

Figure 1 is a plan view of a printing chase and form of type with my invention applied thereto; Fig. 2, a
25 perspective view of one of the improved holding devices removed from the chase; Fig. 3, a vertical longitudinal sectional view of the same; Fig. 4, a sectional view taken through a portion of the chase, type and one of the holding devices, the latter being shown in
30 transverse section, and Fig. 5, an end elevation of one of the holding devices with the end-plate removed.

Referring now more particularly to the drawing, 1 designates a bar of wood or metal known as printer's
35 furniture and employed in securing the form of type in the chase. In carrying out my invention, I form this bar hollow or with a recess of sufficient size to receive a longitudinally-extending shaft 2 journaled at its ends in the end-walls of the bar. The top-wall
40 of this bar is formed with a longitudinally-extending slot 3 extending nearly from end to end thereof, and the shaft is provided with a slot 4 of the same length and extending entirely therethrough.

The shaft carries at one end, a toothed wheel 5
45 which projects through a transversely-extending slot in the top wall of the bar, and by means of which said shaft may be rotated by the finger. Mounted on said shaft adjacent to the wheel 5 is a ratchet-wheel 6, the teeth of which are normally engaged by a spring-pressed pawl 7 pivoted in a slot in the top-wall of the
50 bar, and having a finger-engaging portion 8 projecting therefrom by means of which it may be operated to

disengage the teeth of the ratchet-wheel. The shaft is held from rotation in one direction by this pawl and ratchet-wheel until the pawl is disengaged therefrom. 55
The end-wall 9 is detachably secured to the bar as illustrated.

In operation, the bars as just described are used in securing the form of type 10 in the chase 11 in place of the ordinary solid bars or printer's furniture, one 60
bar being placed at each end of the type. The ends of the silk or other inked fabric 12 are then inserted through the slots of the top-walls of the bars and the slots of the shafts, by means of a card or other convenient object. The shafts are then rotated and the 65
fabric drawn taut. The pawls and ratchet-wheels prevent the rotation of the shafts to unwind the fabric, so that the latter is held securely. Either or both ends of the fabric may be quickly released by
70 lifting the pawl or pawls out of engagement with the ratchet-wheel or wheels. Should it be desired to shift the fabric for any reason, as for instance should it become torn, one shaft may be released, and the other rotated to wind the fabric thereon.

The shaft 2 is rotatable in either direction, but its 75
rotation in one direction is prevented so long as the pawl 7 is in engagement with the ratchet-wheel 6. By disengaging the pawl, by means of its finger-engaging portion 5, from said ratchet, the shaft may be
80 firmly rotated in either direction.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is:—

1. An article of printer's furniture comprising a hollow bar having a longitudinally-extending slot in its top-wall, 85
a shaft mounted in said bar having a longitudinally-extending slot formed therein and extending therethrough, a ratchet-wheel carried by said shaft, a spring-pressed pawl carried by the bar and normally engaging said ratchet-wheel, and a toothed wheel carried by the shaft 90
and projecting from the bar.

2. An article of printer's furniture comprising a recessed bar, a shaft within said recess arranged to receive the end of a fabric, means for effecting the rotation of said shaft, and means for holding it in its adjustment. 95

3. An article of printer's furniture comprising a recessed bar, a shaft within said recess arranged to receive the end of a fabric and rotatable in either direction, means for effecting the rotation of said shaft, and means for holding said shaft in its adjustment and normally preventing its 100
rotation in one direction.

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

SOLOMON H. EMANUEL.

Witnesses:

SAMUEL J. FISHER,
FREDERICK C. JACOBS.