

No. 728,845.

PATENTED MAY 26, 1903.

J. C. BOVARD.
PRINTER'S FURNITURE.
APPLICATION FILED AUG. 2, 1902.

NO MODEL.

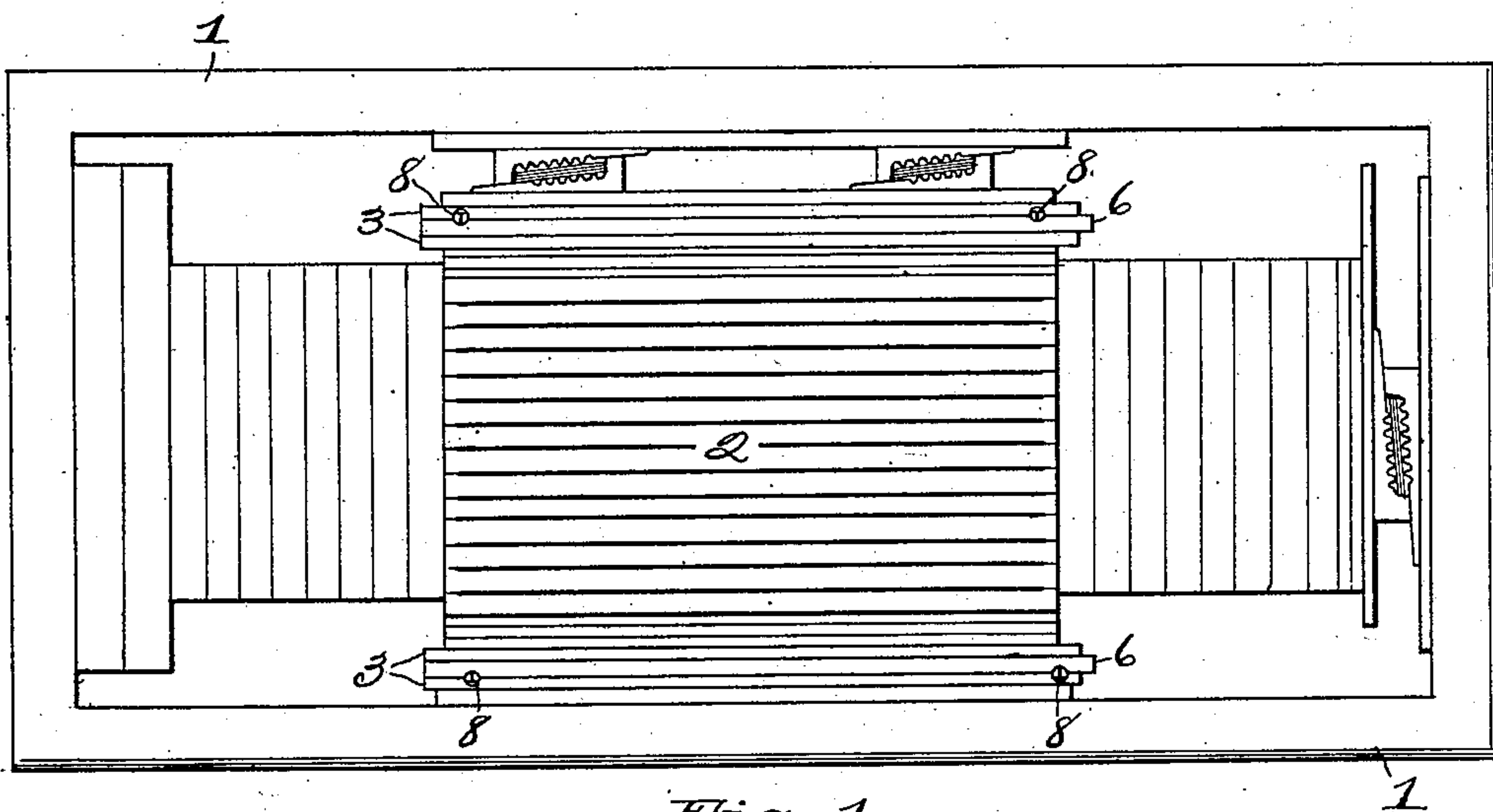


Fig. 1.

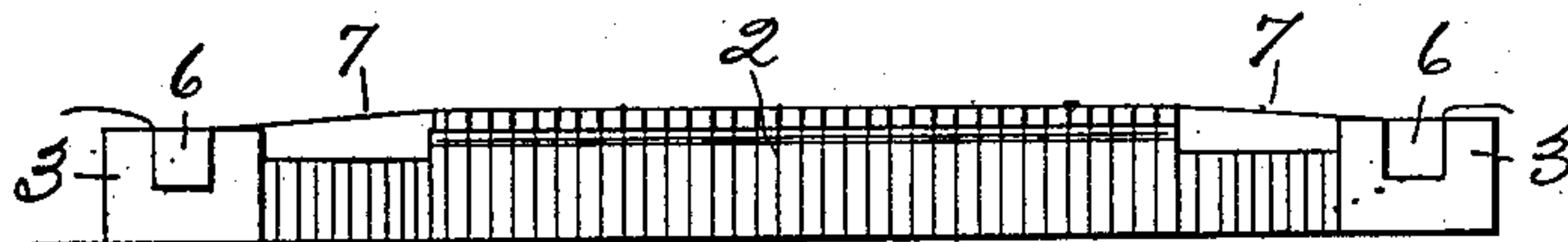


Fig. 2.

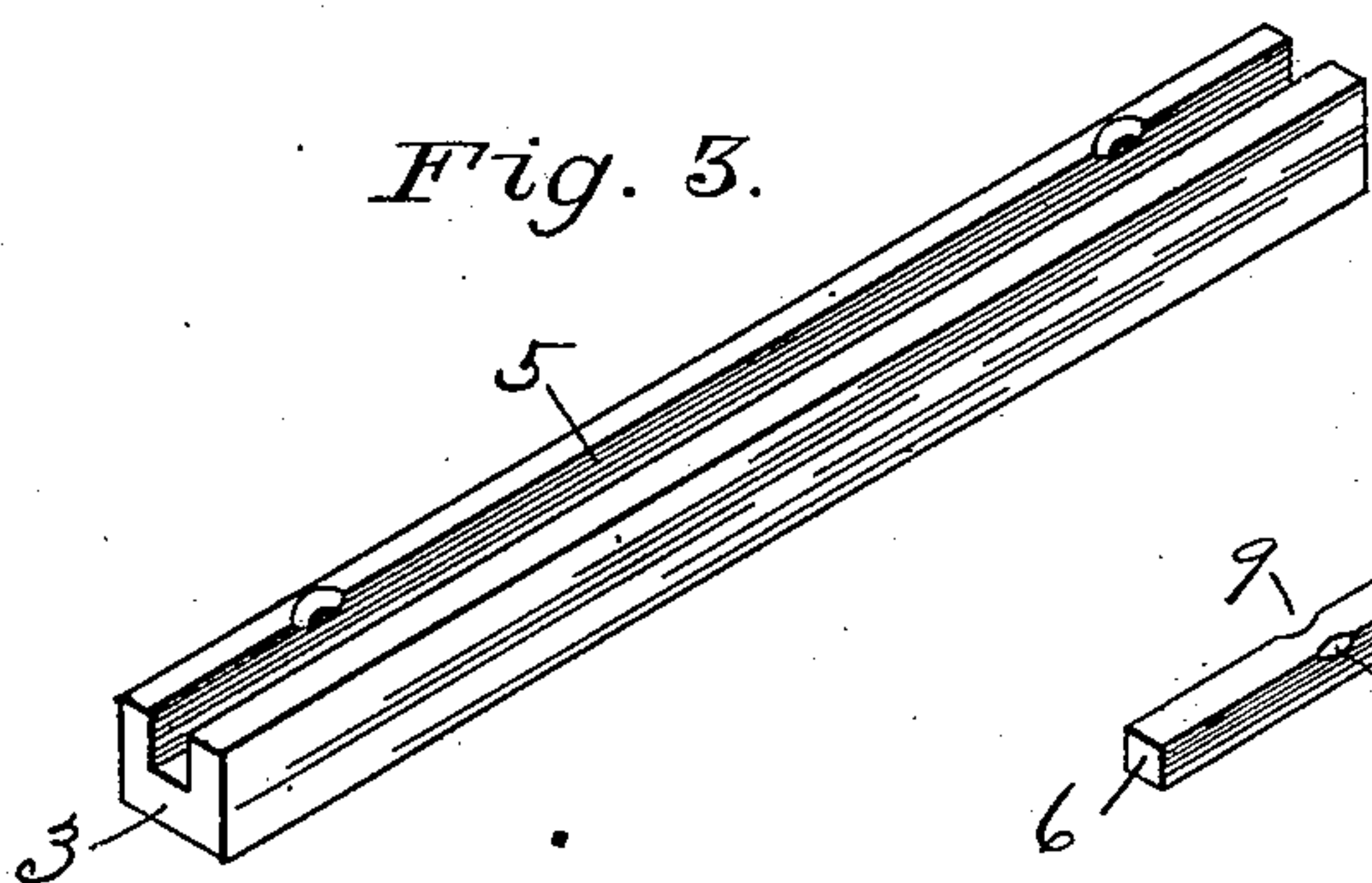


Fig. 3.

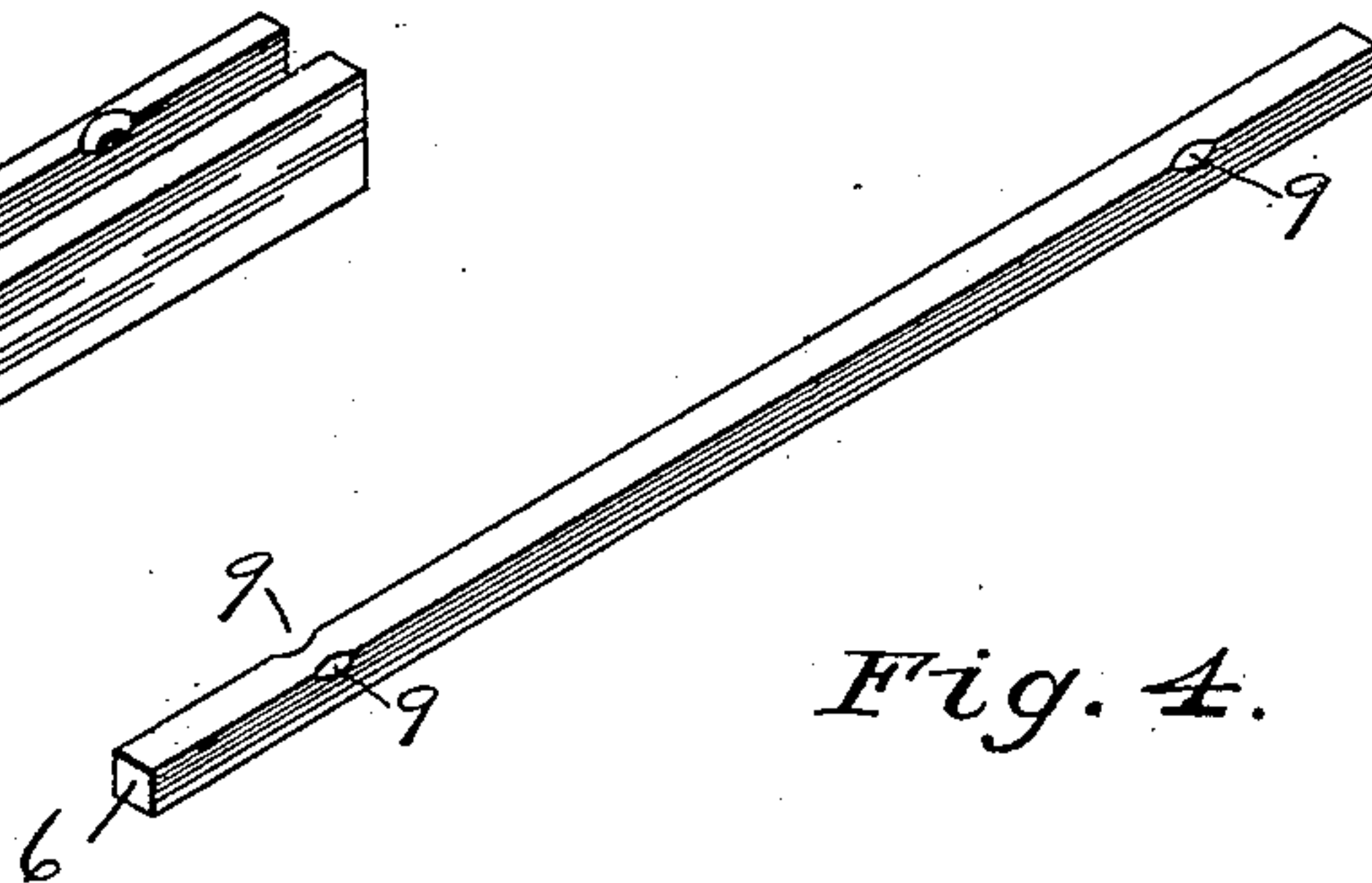


Fig. 4.

WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN C. BOVARD, OF KANSAS CITY, MISSOURI.

PRINTER'S FURNITURE.

SPECIFICATION forming part of Letters Patent No. 728,845, dated May 26, 1903.

Application filed August 2, 1902. Serial No. 118,040. (No model.)

To all whom it may concern:

Be it known that I, JOHN C. BOVARD, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented new and useful Improvements in Printers' Furniture, of which the following is a specification.

My invention relates to improvements in means for printing "imitation type-written" letters.

More specifically my invention provides novel means for holding in position over a form of type a piece of silk which is usually employed to make a "ribbon-face" impression upon the paper.

Referring now to the drawings, Figure 1 is a plan view of a printer's chase provided with the preferred form of my invention. Fig. 2 is an enlarged elevation of the grooved bars and the keys, showing a piece of silk held thereby. Fig. 3 is a perspective view of one of the bars. Fig. 4 is a perspective view of one of the keys.

1 designates a chase, and 2 designates a form of imitation type-writer type secured within the chase by the usual printers' method of lock-up. The faces of these types are smooth, and hence if the impression were taken directly from the type onto the paper the printed letters would look too smooth for a close imitation of type-writer work. By interposing a piece of silk or linen between the type and the paper which is printed upon and supplying the silk or linen with ink the impressions of the type upon the paper will be caused to resemble letters printed by that class of type-writing machines in which a ribbon is used. To hold such a sheet of silk or linen (preferably silk) in position, I employ two grooved wooden or metallic bars 3 and 3, each provided with a key 6. When in use, these bars 3 are inserted above and below the form or parallel to the lines of type and are held in position by the tightening of the quoins. In each bar 3 is a longitudinal groove 5, preferably rectangular in shape transversely. Each bar 3 is provided with a key 6, preferably rectangular in cross-section and adapted to fit loosely within groove 5. The upper edge of the piece of silk 7 is laid over the upper bar 3, and the key 6 is then pushed

ing the silk within the groove. Then the silk is stretched across the form, its lower edge is laid upon the other grooved bar 3, and the other key 6 is pushed down upon the silk into its groove, thereby stretching the silk across the form and binding its lower edge within the groove. The keys 6 would probably remain in position without retaining devices; but such devices may be employed—as, for example, screws 8, entering the bars 3 adjacent to their grooves 5. The head of each screw is partially cut away, so that when the screws are turned to certain positions the keys 6 may be placed in or removed from said grooves. When the screws are tightened up with their heads projecting over the keys, the latter cannot become loosened in their grooves. Flat-headed screws should be employed, and the screw-holes in the bars 3 should be counter-sunk. To receive the heads of the screws, recesses 9 should be cut in the keys.

The chase is placed in the press in the usual manner, and the inking roller or rollers apply ink to the piece of silk instead of to the type directly. The effect of this arrangement has been stated heretofore.

The grooved bars 3 might be dispensed with, and still the piece of silk 7 might be held stretched across the form of type by cutting suitable key-grooves in the chase itself, preferably in the lower side thereof.

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

The combination, with a flat form, of a pair of longitudinally-grooved bars held respectively at the top and bottom of the form, two keys adapted to fit loosely within the respective grooves of said bars, screws having mutilated heads, for retaining said bars in said grooves, and a sheet of woven fabric adapted to produce a ribbon-face impression, said sheet being stretched across the form and having its ends held within said grooves by the presence of said keys, substantially as described.

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

JOHN C. BOVARD.

Witnesses:

M. L. LANGE,
K. M. IMBODEN.