

No. 725,511.

PATENTED APR. 14, 1903.

J. THOMSON.

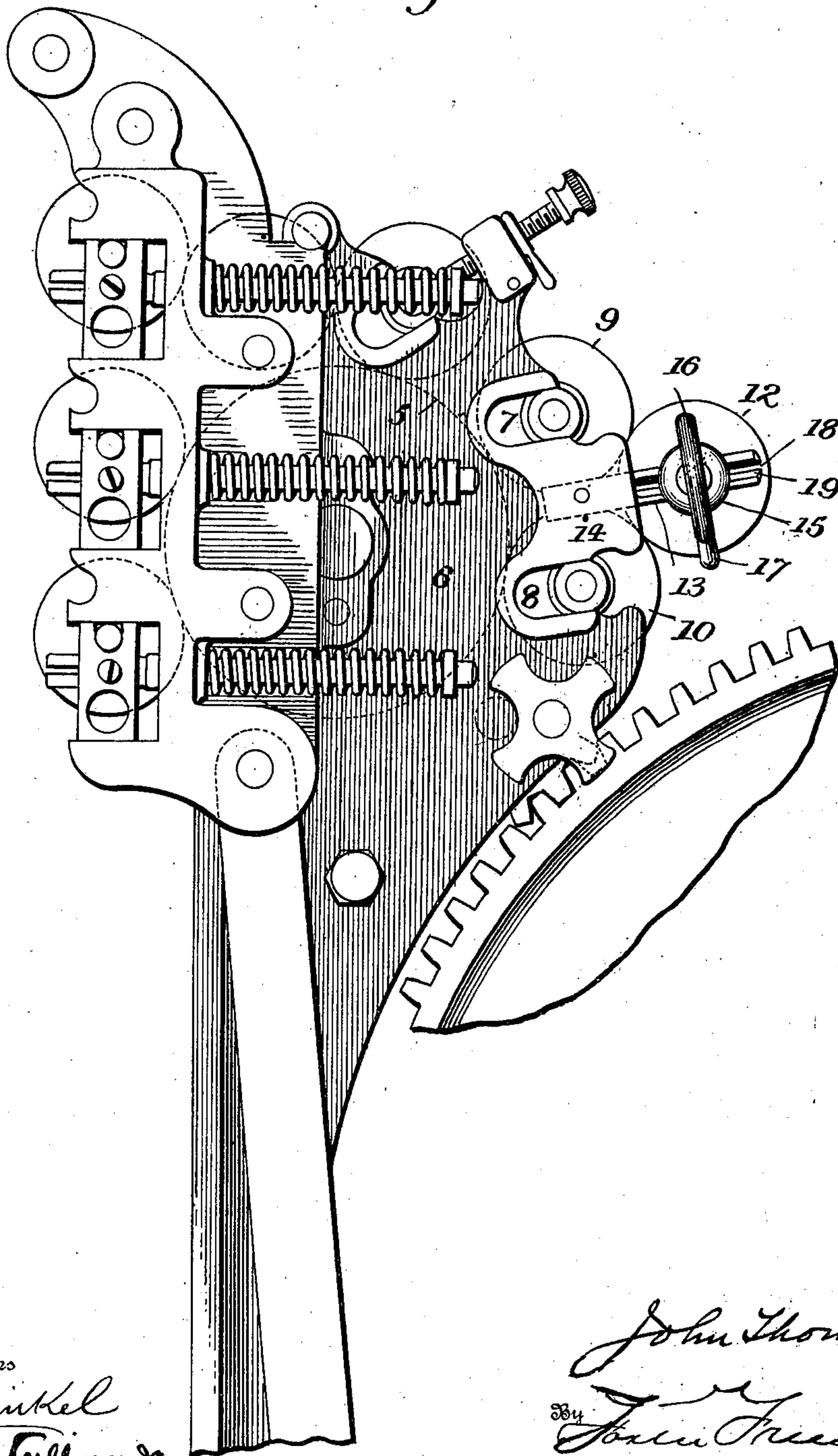
APPARATUS FOR SECURING INK DISTRIBUTING CYLINDERS TO
PLATEN PRINTING PRESSES.

APPLICATION FILED OCT. 7, 1902.

NO MODEL.

2 SHEETS—SHEET 1.

Fig. 1.



Witnesses

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Fig. 2.

2 SHEETS—SHEET 2.

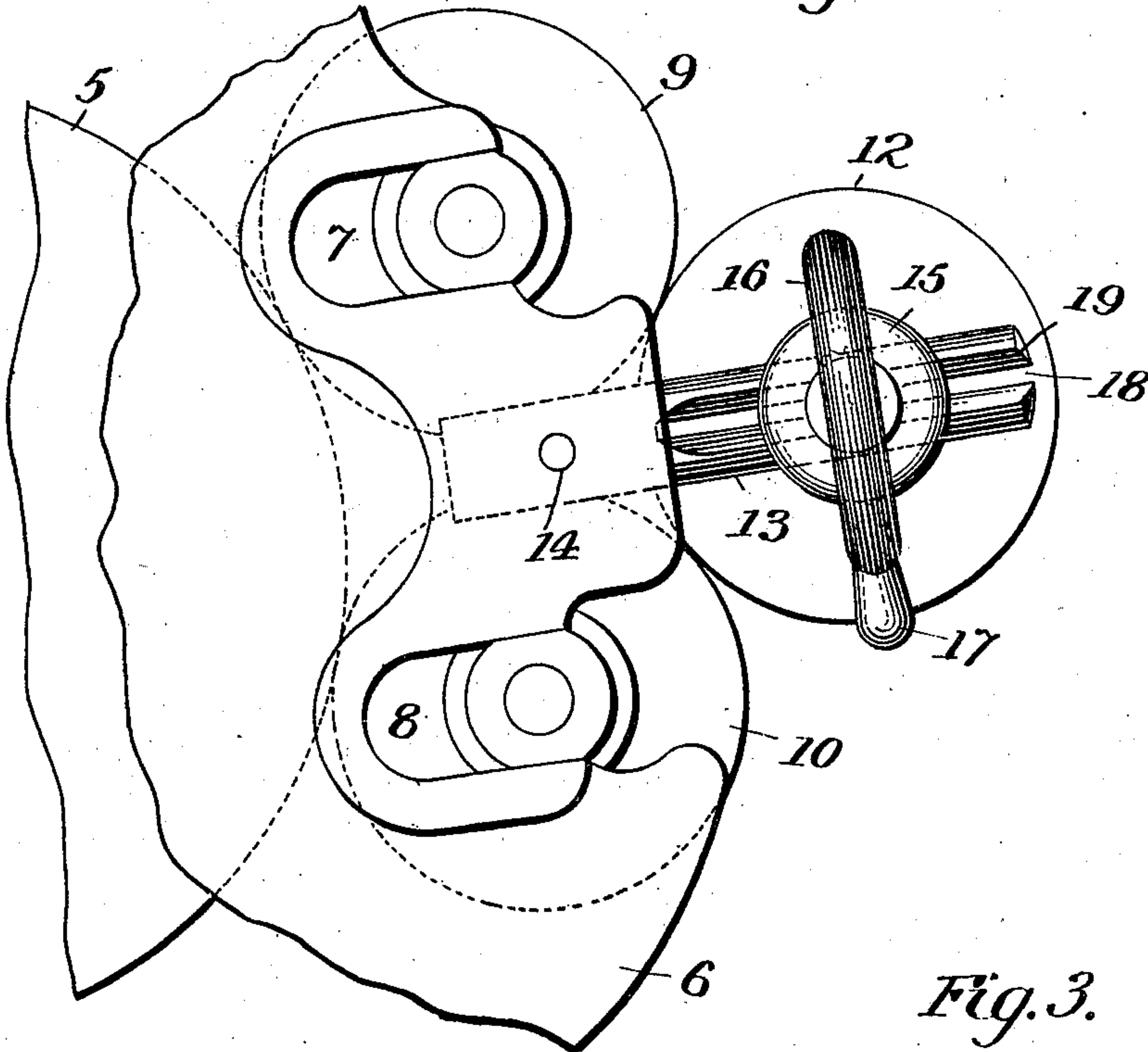
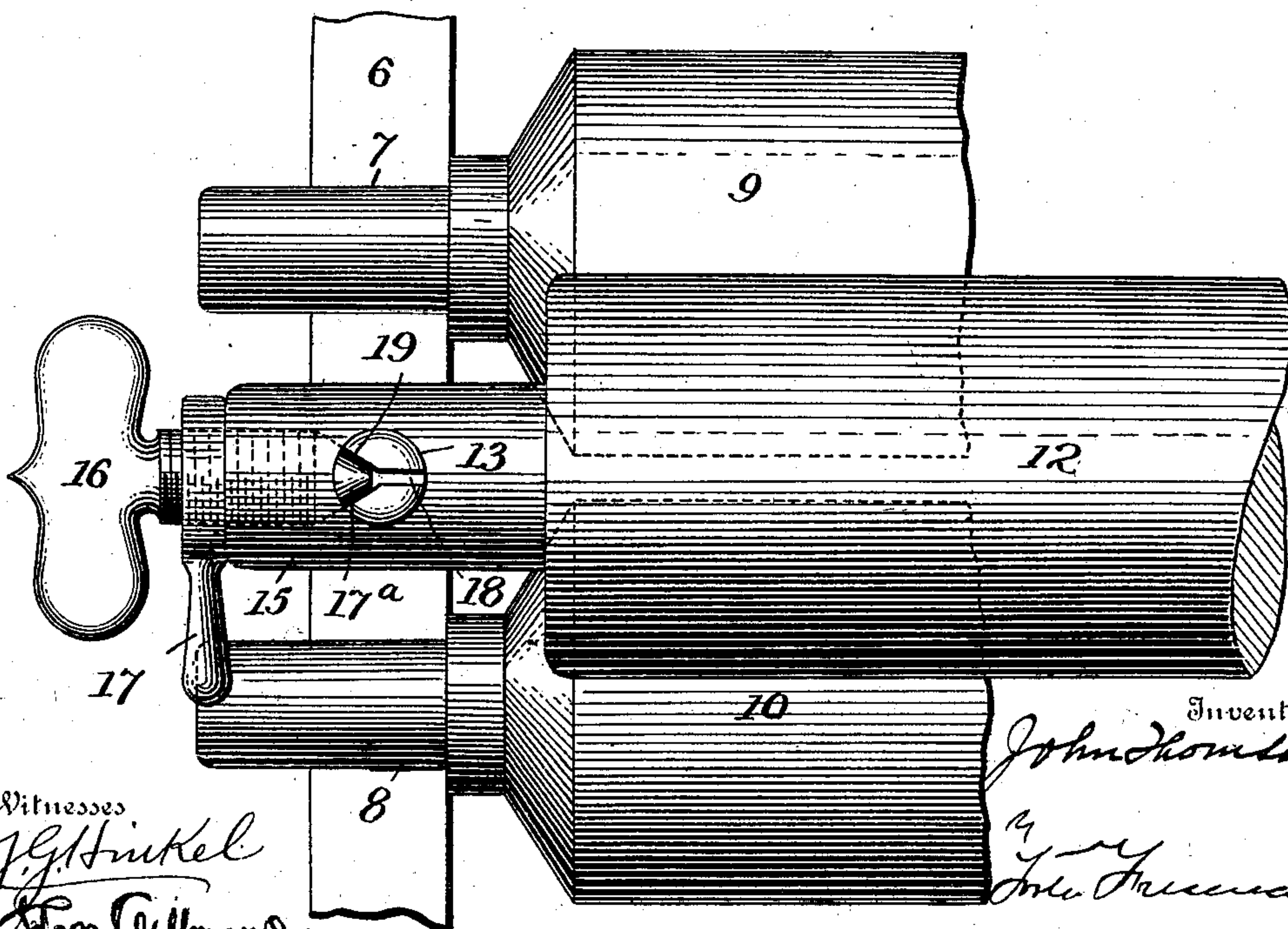


Fig. 3.



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UNITED STATES PATENT OFFICE.

JOHN THOMSON, OF BROOKLYN, NEW YORK, ASSIGNOR TO JOHN THOMSON PRESS COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW JERSEY.

APPARATUS FOR SECURING INK-DISTRIBUTING CYLINDERS TO PLATEN PRINTING-PRESSES.

SPECIFICATION forming part of Letters Patent No. 725,511, dated April 14, 1903.

Application filed October 7, 1902. Serial No. 126,331. (No model.)

To all whom it may concern:

Be it known that I, JOHN THOMSON, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Apparatus for Securing Ink-Distributing Cylinders to Platen Printing-Presses, of which the following is a specification.

10 This invention refers in general to platen printing-presses, and especially to the ink-distributing system thereof. Its object is to provide apparatus for the convenient and definite attachment of "riding" ink-distributing cylinders, rollers, or "changers" to platen printing-presses.

15 In the drawings, Figure 1 is a part side elevation of a portion of a press indicating an embodiment of the device. Fig. 2 is an enlarged detail side view thereof, and Fig. 3 is an enlarged rear view of a portion of the ink-cylinders.

20 The usual actuating or main ink-cylinder is denoted by 5, mounted in carriage-ways 6, provided with a plurality of slots, as 7 8, which support composition distributor-rollers, as 9 10.

25 The "rider" 12 may be a plain metal cylinder or a "changer" revolving upon a fixed shaft, whose function is to press the composition rollers 9 10 against the main cylinder 5 and also to cooperate in cutting up or distributing the ink.

30 The present improvement relates solely to the means for applying the rider to the press, which consists of the supporting-studs 13, fixedly secured, as by the pins 14, in the edges of the carriage-ways. The shaft or stock 15 of the rider is provided with transverse holes, spaced to slide freely upon the studs 13, and threaded in the end faces of the shaft are hand-screws, as 16, which may have jam-nuts, as 17. The inner ends of the hand-screws 16 are formed conical, as 17^a. The studs are split, as 18, in the longitudinal di-

rection of the shaft, the outer portions being tapered, as 19, to an angle corresponding to the conical ends of the screws. Now by loosening the hand-screws the rider with all its parts self-contained may be withdrawn. 50 Again, by turning the screws inwardly, their points will impinge upon the tapered portions of the slots and cause the sides of the studs to spring outwardly, thus locking both the rider and the screws very rigidly in place 55 against displacement against either the thrust or the pull of the rollers or the vibration of the press.

A particular advantage of this device is that the rider may be definitely secured 60 against movement either to or from the rollers, thus being able to fix it either to produce a grinding effect, as on thin ink, or to run with very light contact, as against the suction of heavy or "tacky" ink. 65

Without limiting myself to the precise construction and arrangement of parts shown and described, I claim—

1. In a platen printing-press, the combination with the carriage-ways and the studs secured thereto, of a rider-shaft having transverse holes adapted to pass over the studs, and means for adjustably securing the shaft on the studs, substantially as described. 70

2. In a platen printing-press, the combination with the carriage-ways, the main ink-cylinder, the composition rollers and the rider-shaft, of slotted supporting-studs secured in the edges of the carriage-ways and the locking-screws mounted in the end faces 80 of the rider-shaft, the points of the screws engaging the slots in the studs, substantially as and for the purpose set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses. 85

JOHN THOMSON.

Witnesses:

WM. THOMSON,
L. S. FOLGER.