

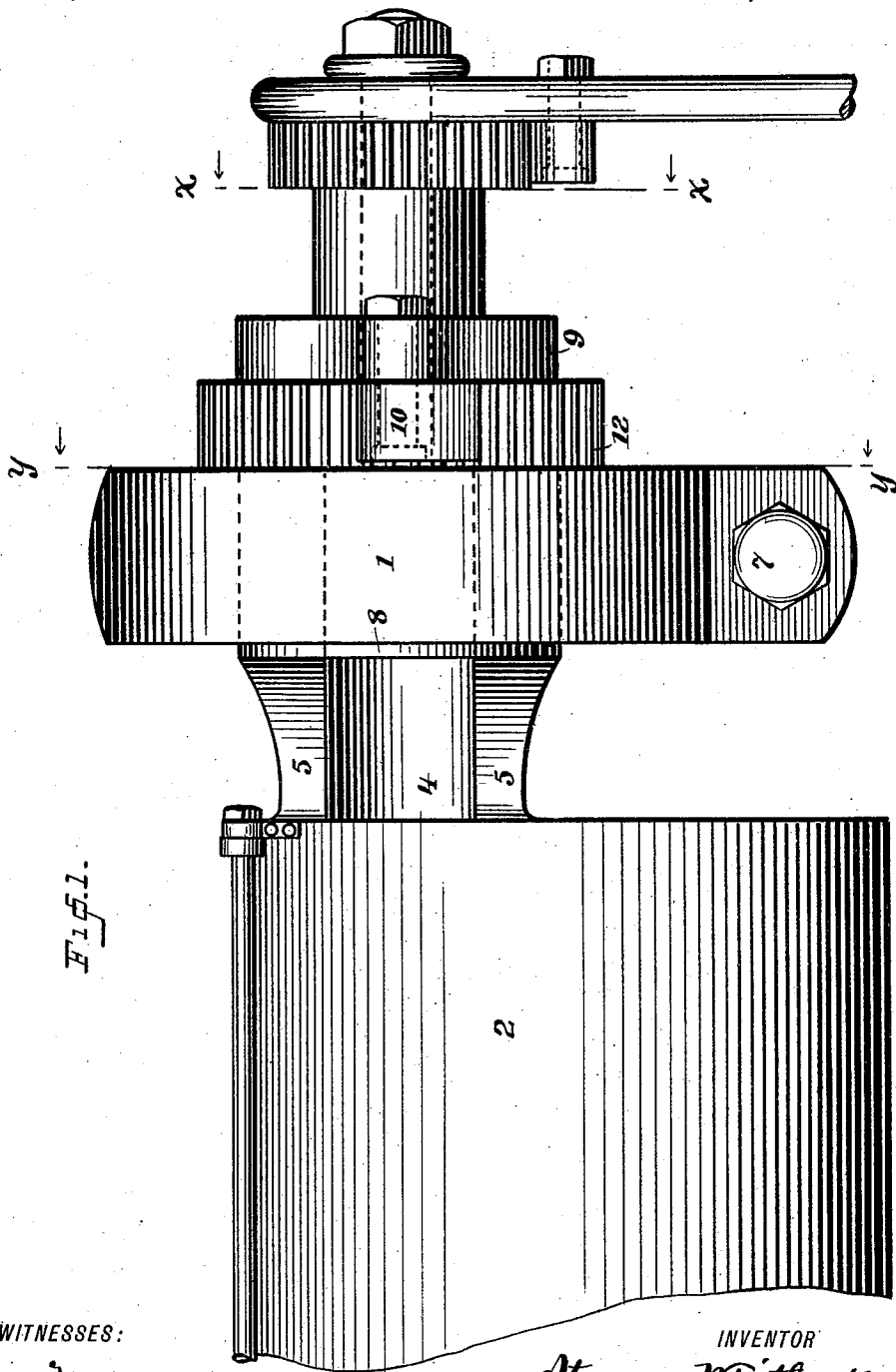
(No Model.)

4 Sheets—Sheet 1.

S. WHITLOCK.
INK FONT FOR PRINTING MACHINES.

No. 466,314.

Patented Dec. 29, 1891.



WITNESSES:

C. M. Newman,
A. J. Tanner.

INVENTOR

Sturges Whitlock

BY

D. A. Hubbard,

ATTORNEY.

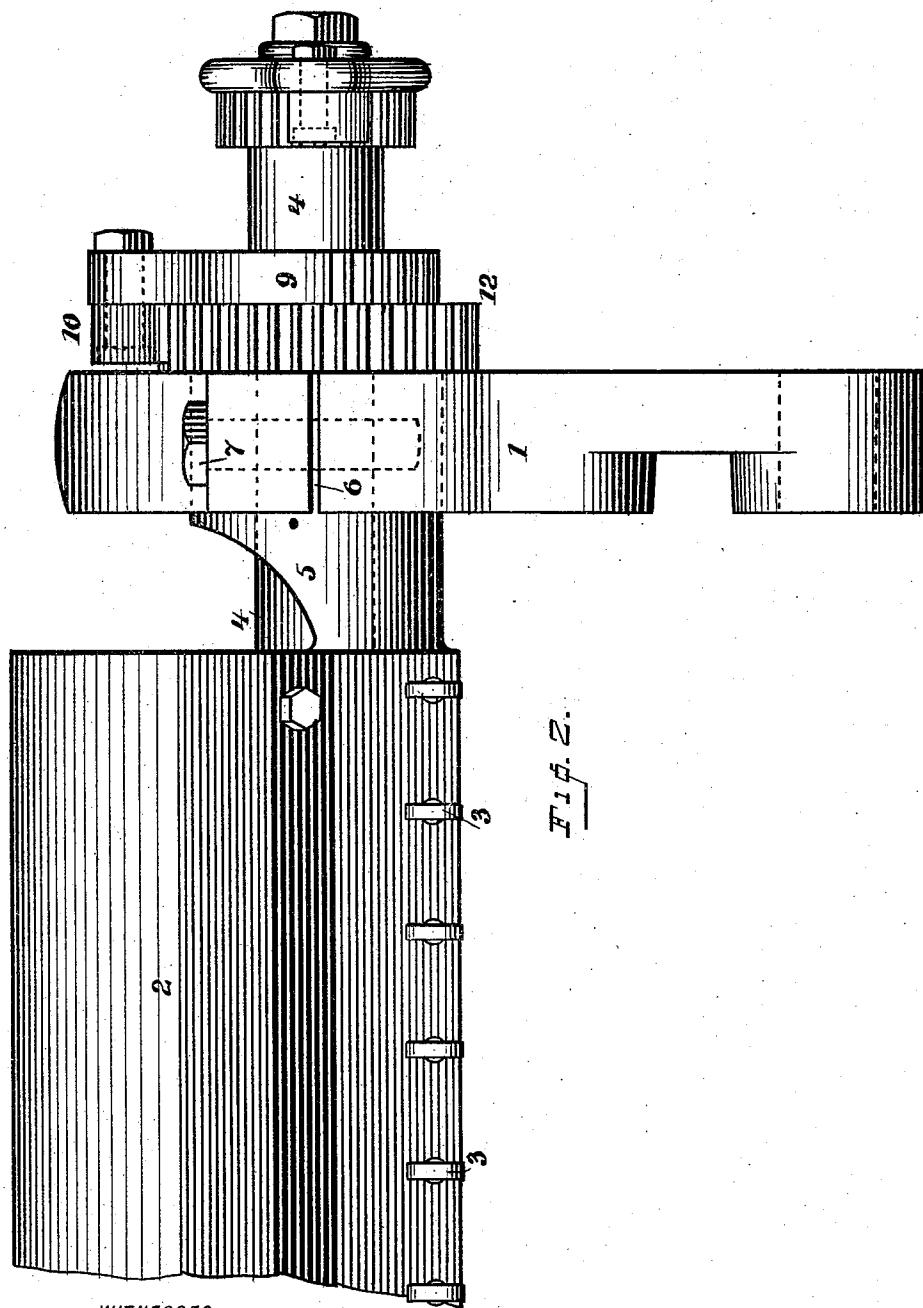
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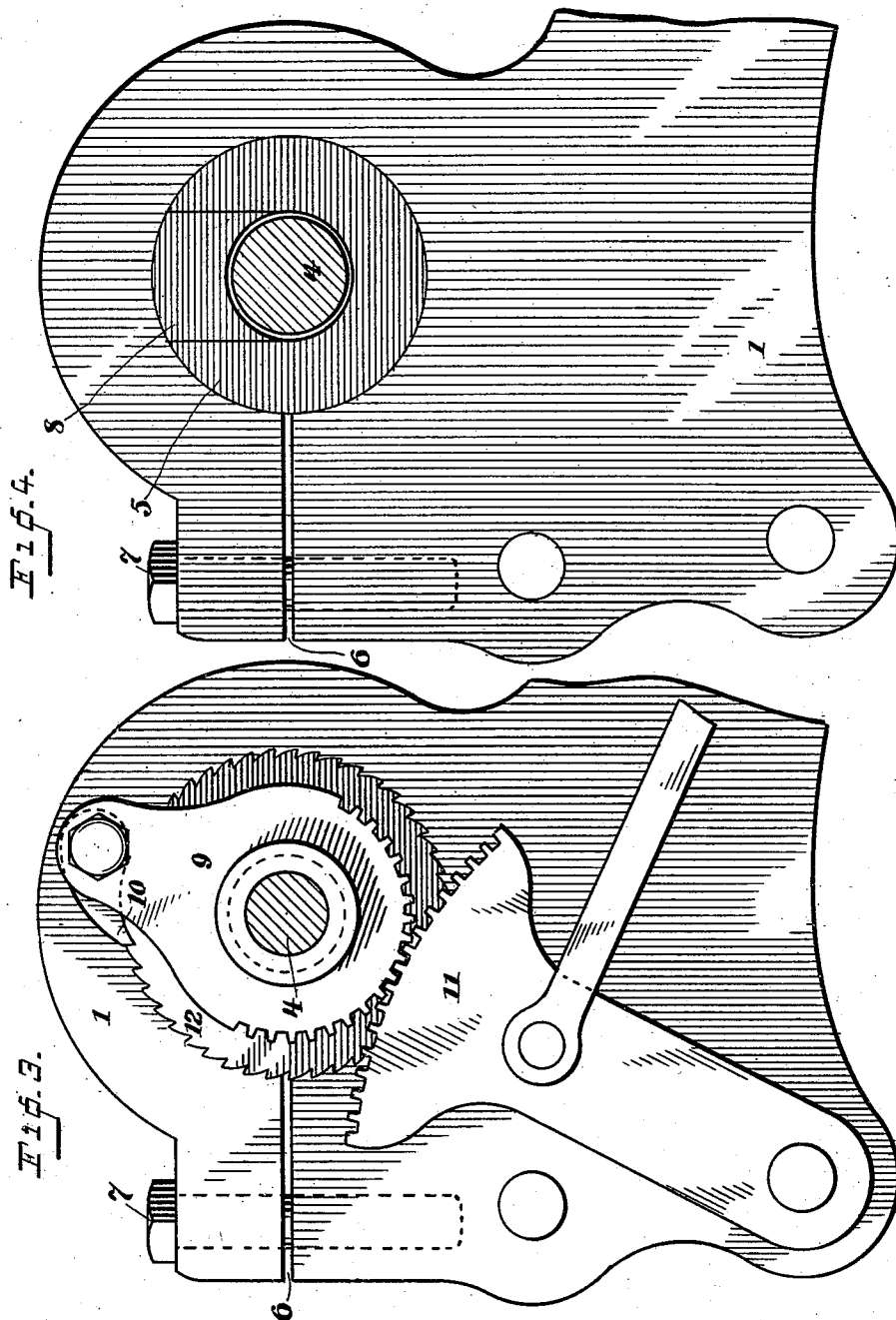
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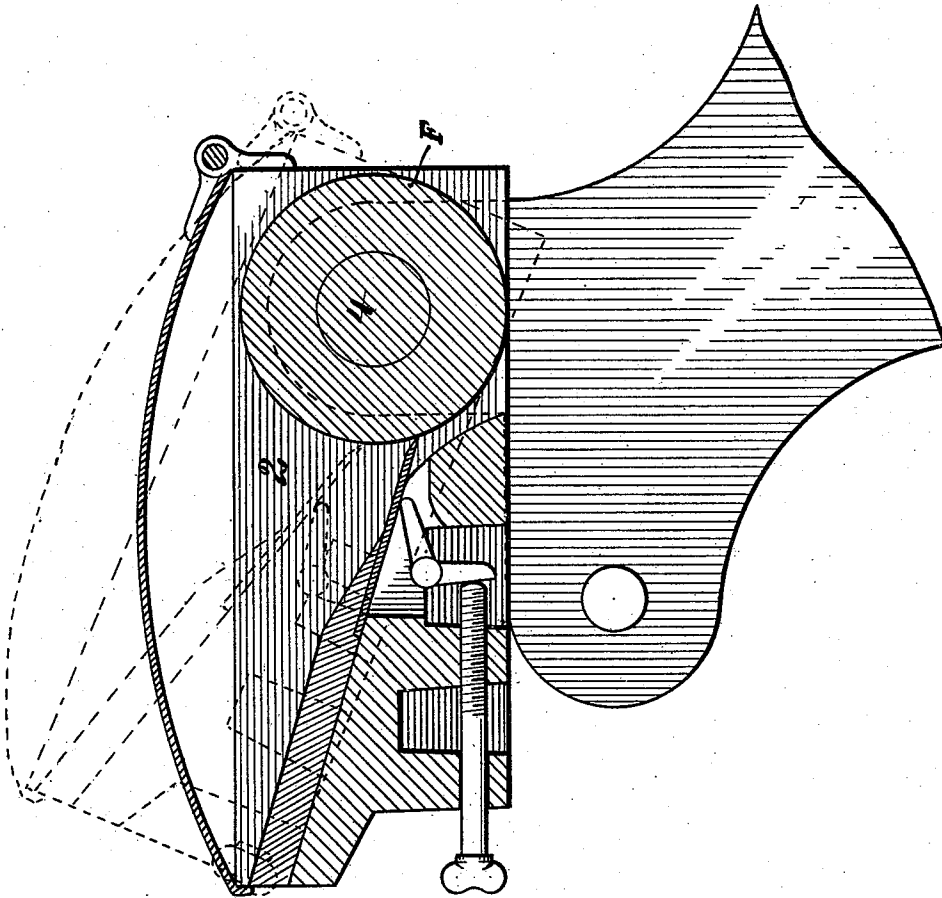
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WITNESSES

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UNITED STATES PATENT OFFICE.

STURGES WHITLOCK, OF SHELTON, CONNECTICUT.

INK-FOUNT FOR PRINTING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 466,314, dated December 29, 1891.

Application filed June 25, 1891. Serial No. 397,417. (No model.)

To all whom it may concern:

Be it known that I, STURGES WHITLOCK, a citizen of the United States, residing at Shelton, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Ink-Founts for Printing-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 certain new and useful improvements in ink-founts for printing-machines, and has for its object to provide a fount capable of adjustment to various angles for the regulation of the feed of inks of various degrees of fluidity, and to furnish a novel means for holding said fount in adjusted position; and with these ends in view my invention consists in the construction and combination of elements hereinafter fully explained and then recited in the claims.

In order that those skilled in the art to which my invention appertains may fully understand its construction and operation, I will describe the same in detail, reference being had to the accompanying drawings and the numerals marked thereon, which form a part of this specification.

Figure 1 is a partial plan view of an ink-fount made in accordance with my invention. Fig. 2 is an elevation. Fig. 3 is a section at the line *xx* of Fig. 1; Fig. 4, a section at the line *yy*. Fig. 5 is a cross-section of the fount on a line on the inside of standard 1, showing in full lines one position of the fount and in dotted lines another position after a different adjustment.

By the numeral 1 I denote brackets or standards formed or secured in the appropriate position upon a printing-machine. The fount 2 is of any usual or ordinary construction; but is preferably furnished with a feeding-knife, screws 3 for the adjustment of which are shown at Fig. 2. The fount contains a feeding-roller F, and the shaft 4 of this roller projects outward through the end wall of the fount. The end wall of the fount bears an outward projection or hub 5, whose shape in plan view, side elevation, and cross-section is shown, respectively, at Figs. 1, 2, and 4. This

hub preferably, but not necessarily, forms a bearing for the shaft, and is in its turn seated and adapted to turn in one of the brackets 1, which latter is split or slotted laterally, as seen at 6, and is provided with a clamping-screw 7. In order to complete the bearing for the shaft 4 a block 8 is inserted in the U-shaped projection above said shaft, thereby also completing the contour of said hub. The outer end of the shaft 4 is provided with means for intermittently operating said shaft and the roller carried thereby, and while any suitable mechanism may be used for this purpose I show a ratchet-wheel 12, fast upon said shaft, and a partial gear 9, carrying a pawl 10, engaging said ratchet-wheel and journaled about said shaft. This partial gear is operated by a rocking segment 11. (Shown only at Fig. 3.) This construction is immaterial and forms no part of my present improvement.

In the operation of my invention, when it is desired to adjust the ink-fount to obtain any required feed the clamping-screw 7 is loosened and the fount then turned to the desired angle. The screw may then be tightened and the fount thereby secured as against displacement. The hub 5 referred to may be formed either upon one or both ends of the fount, and either or both of the standards may be split to provide for the clamping; but ordinarily it will be sufficient to provide one standard with the clamping device, and in that case the other end of the fount is provided with an ordinary bearing of any desired construction.

In this my invention I do not wish to be confined to the details of construction herein shown and described, since these may be changed and modified in various respects without departing from the essentials of my invention.

I claim—

1. The combination, with suitable standards, of an ink-fount having a bearing-hub projecting through one of the standards and adapted to turn therein, the fount-roller and its shaft, the latter having a bearing in the projection from the fount, and means for holding the bearing-hub against rotation within the standard.

2. The split standard provided with a bind-

ing-screw, in combination with the fount containing a fount-roller and having a projecting hub seated in said standard and forming a bearing in which the fount-roller may rotate, 5 and a suitable bearing connected to the other end of the fount for the support of the latter, substantially as described.

3. In a printing-machine, the split standard and a suitable co-operating standard at 10 the other side of the machine, in combination with the ink-holding fount 2, having the hub 5, supported in said split standard, and a suitable connection with the co-operating standard, and the fount-roller shaft having suitable bearings within the fount and project-

ing outward through the hub 5, and means for operating said shaft.

4. The standard 1, split and provided with the clamping-screw 7, in combination with the fount 2, the hub 5, seated in the standard, 20 the shaft 4, and the block 8, whereby the contour of the hub 5 and the bearing of the shaft 4 are completed, the whole arranged as described, and for the purpose set forth.

In testimony whereof I affix my signature in 25 presence of two witnesses.

STURGES WHITLOCK.

Witnesses:

SHERMAN H. HUBBARD,
A. J. TANNER.