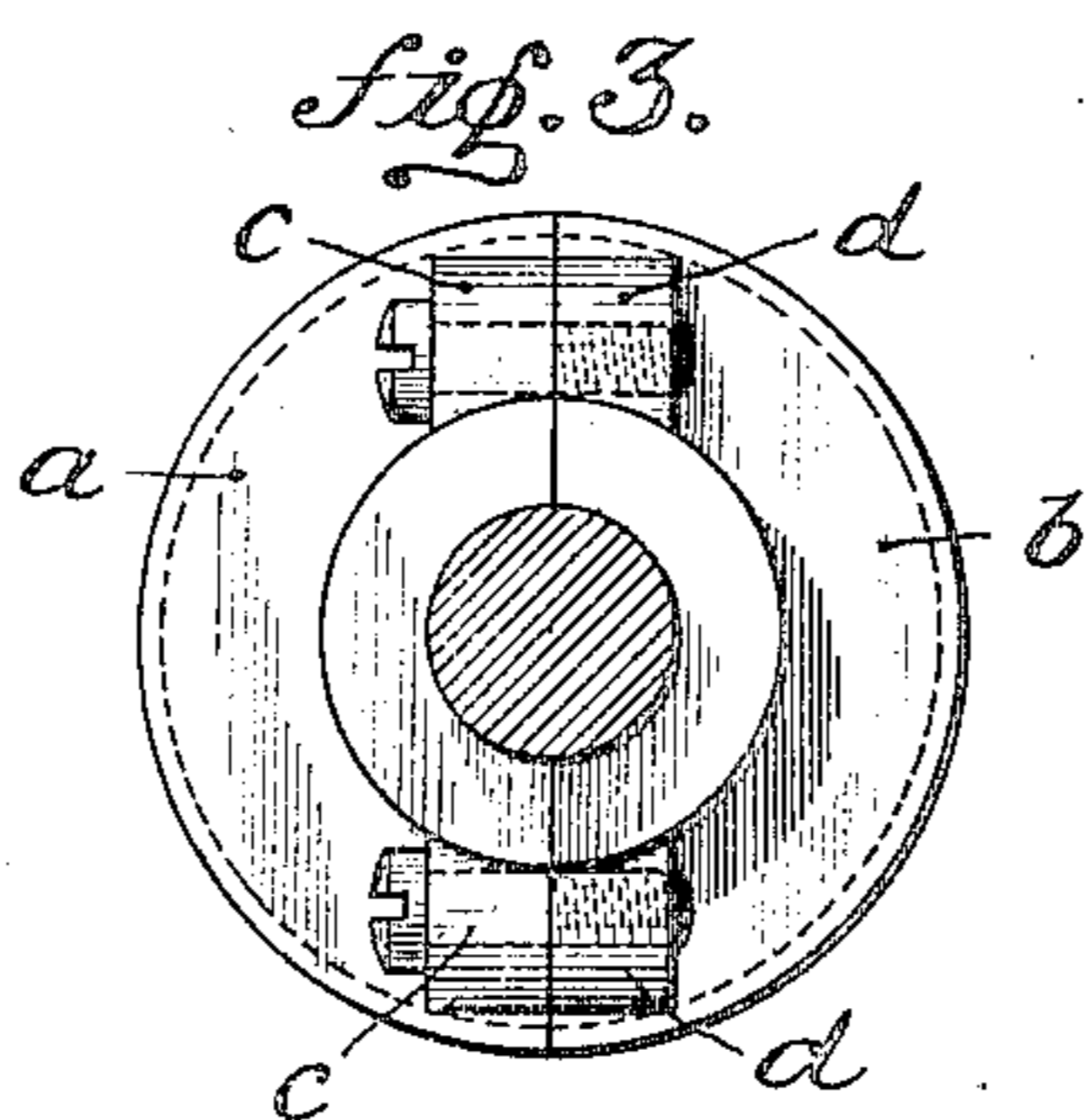
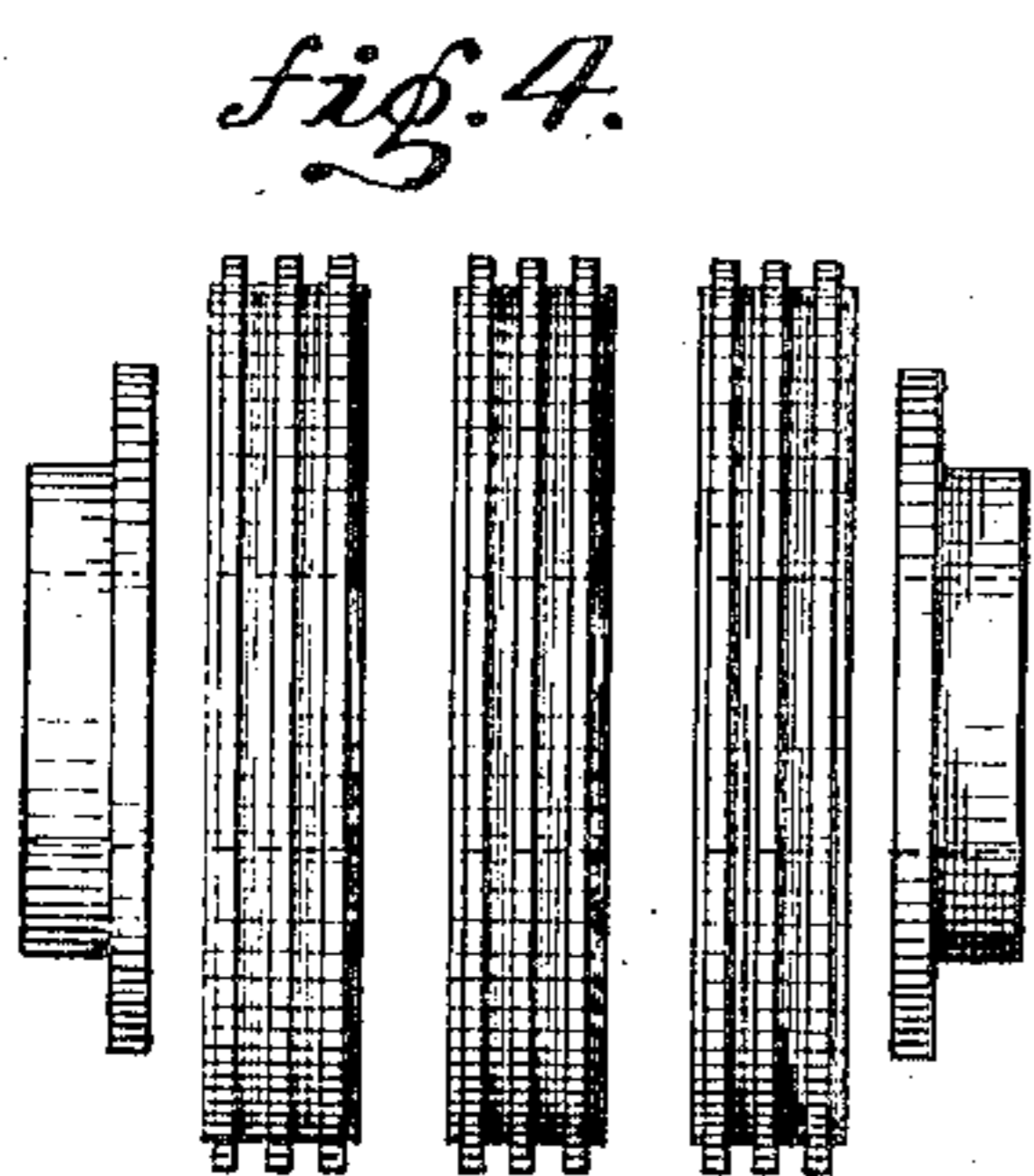
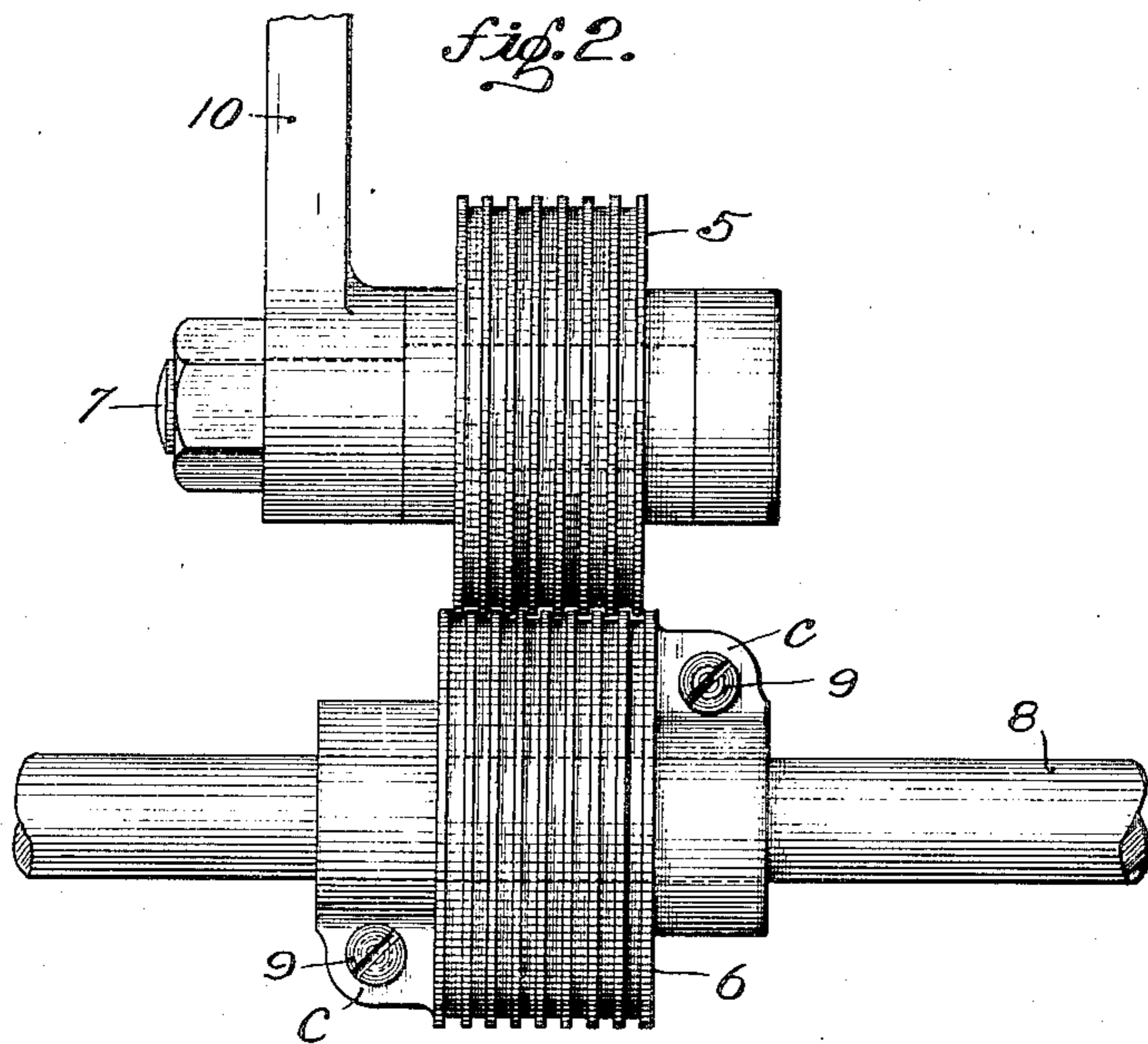
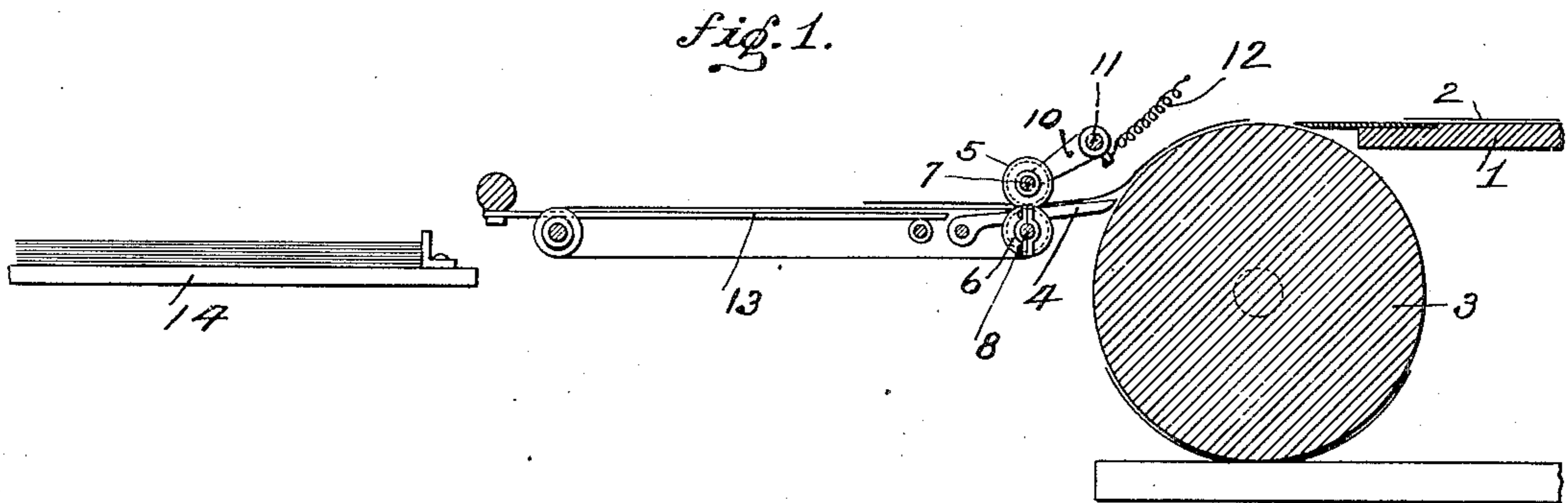


No. 813,279.

PATENTED FEB. 20, 1906.

C. R. CLARE.
PRINTING PRESS ATTACHMENT.
APPLICATION FILED FEB. 1, 1904.



WITNESSES:

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UNITED STATES PATENT OFFICE.

CHARLES R. CLARE, OF HOMESTEAD, PENNSYLVANIA.

PRINTING-PRESS ATTACHMENT.

No. 813,279.

Specification of Letters Patent.

Patented Feb. 20, 1906.

Application filed February 1, 1904. Serial No. 191,612.

To all whom it may concern:

Be it known that I, CHARLES R. CLARE, a citizen of the United States, residing at Homestead, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Printing-Press Attachments, of which improvement the following is a specification.

My invention relates to improvements in printing-presses, and has for its object the provision of means for crimping the sheet immediately after the printing operation and continuously therewith without the employment or use of an independent crimping-machine; and to accomplish this object my invention consists of the novel construction and arrangement of parts hereinafter more specifically described, reference being had to the accompanying drawings, forming part hereof, in which—

Figure 1 is a diagrammatic view of a portion of printing-press with my improved crimping device attached thereto. Fig. 2 is a face view or front elevation of crimping-rolls. Fig. 3 is an end view of the lower creasing-roll, showing the manner of securing the two sections thereof together. Fig. 4 is a modification.

Referring to said drawings, 1 is the feed-table as the same is usually applied upon the usual printing-press and on which the material 2 to be printed and crimped is supported. The said material passes around the printing drum or cylinder 3 beneath the arm 4 and after being printed passes over said arm between the crimping or creasing rolls 5 6, which are mounted upon the rods or shafts 7 8 immediately in the front of the cylinder. The lower creasing-roll is positively driven and is formed in two sections *a b*, each of which is preferably provided with laterally-projecting cylindrical parts *c d*, which are provided with lugs through which bolts 9 are secured for the purpose of holding said roll upon its shaft. The said lower creasing-roll is formed in two sections to avoid the necessity of removing the belt feed-rolls which are upon the same shaft when said creasing-roll is being secured in place. The upper creasing-roll is preferably of the same size as the lower one and is held or carried by the arm 10, which is pivotally mounted on the shaft 11, the said roll be-

ing held in operative position by the spring 12. The material after being crimped is carried by the belt onto the fly 13, which is of the usual construction, and from thence it is transferred to the receiving-table 14.

Some of the advantages secured in the use of my device are that time is economized and the printing and creasing operations are continuous and an expensive creasing-machine is dispensed with. It is obvious that my device may be applied to a ruling-machine.

I claim as my invention and desire to secure by Letters Patent—

1. In a printing and crimping machine, the combination with a printing-drum, and a fly, of a crimping device interposed between the fly and drum adapted to crimp the material previously acted upon by the drum as it passes from the drum to the fly.

2. In a printing and crimping machine, the combination with a printing-drum, of a crimping device adjacent thereto adapted to directly receive the material as it passes from the drum.

3. In a printing and crimping machine, the combination with a printing-drum, of a crimping device arranged adjacent thereto adapted to directly receive the material as it passes from the drum, and means for conveying away the material after it is acted upon by the crimping device.

4. In a printing and crimping machine, the combination with a printing-drum, of a crimping device arranged adjacent to said printing-drum adapted to directly receive the material acted upon by the drum and crimp it, a conveyer adapted to carry the crimped material from the crimping device, and a fly adapted to receive the material from the conveyer.

5. In a printing and crimping machine, the combination with a printing-drum, a crimping device arranged adjacent to said drum, and means permitting the material acted upon by the drum to pass therearound and then direct said material to the crimping device.

In testimony whereof I have hereunto signed my name in the presence of two subscribing witnesses.

CHARLES R. CLARE.

In presence of—

CLARENCE A. WILLIAMS,
JOHN H. RONEY.