

J. Teachout.
Knitting Machine.

N^o 72117

Patented Dec. 10, 1867.

Fig. 1.

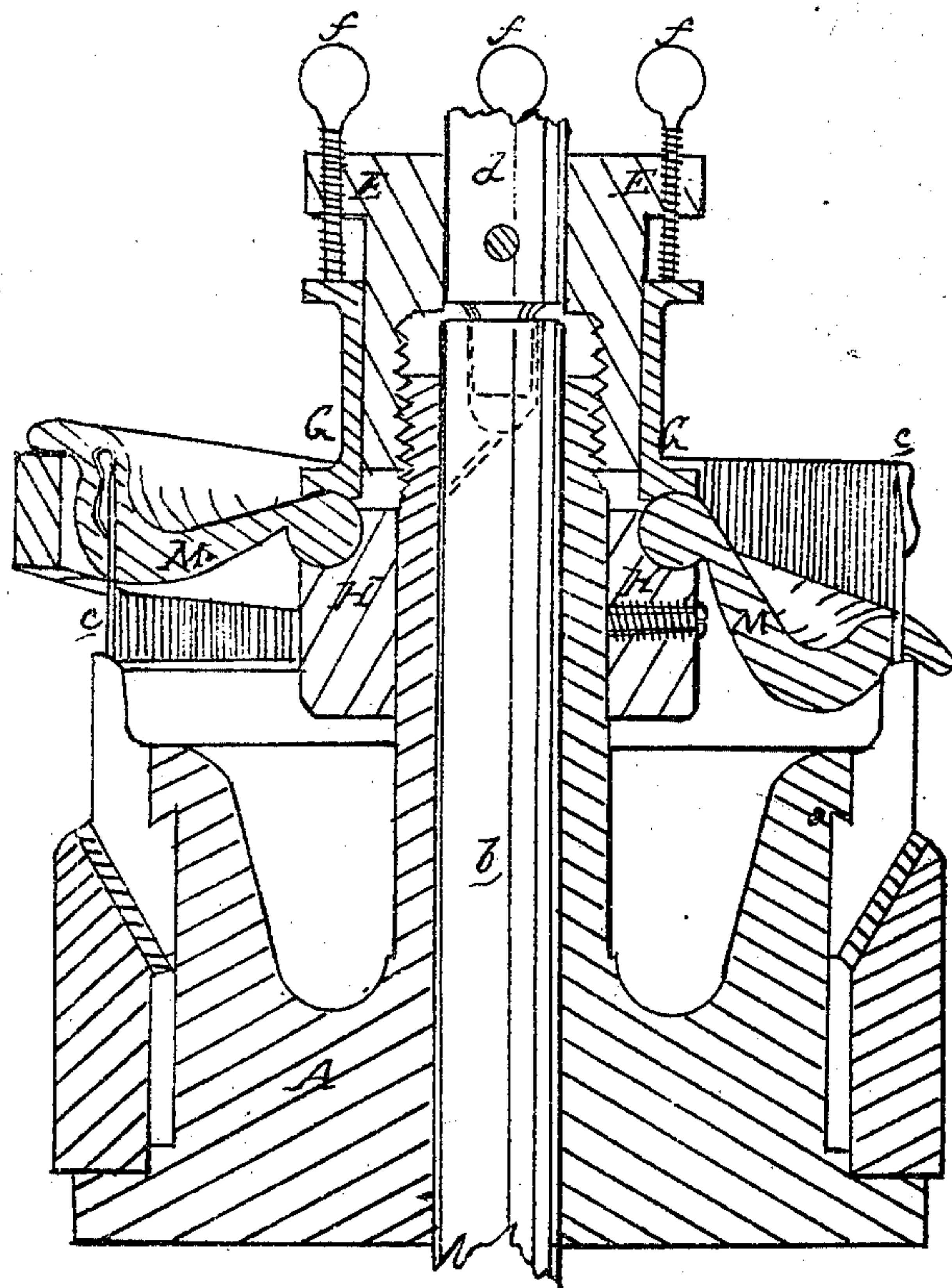
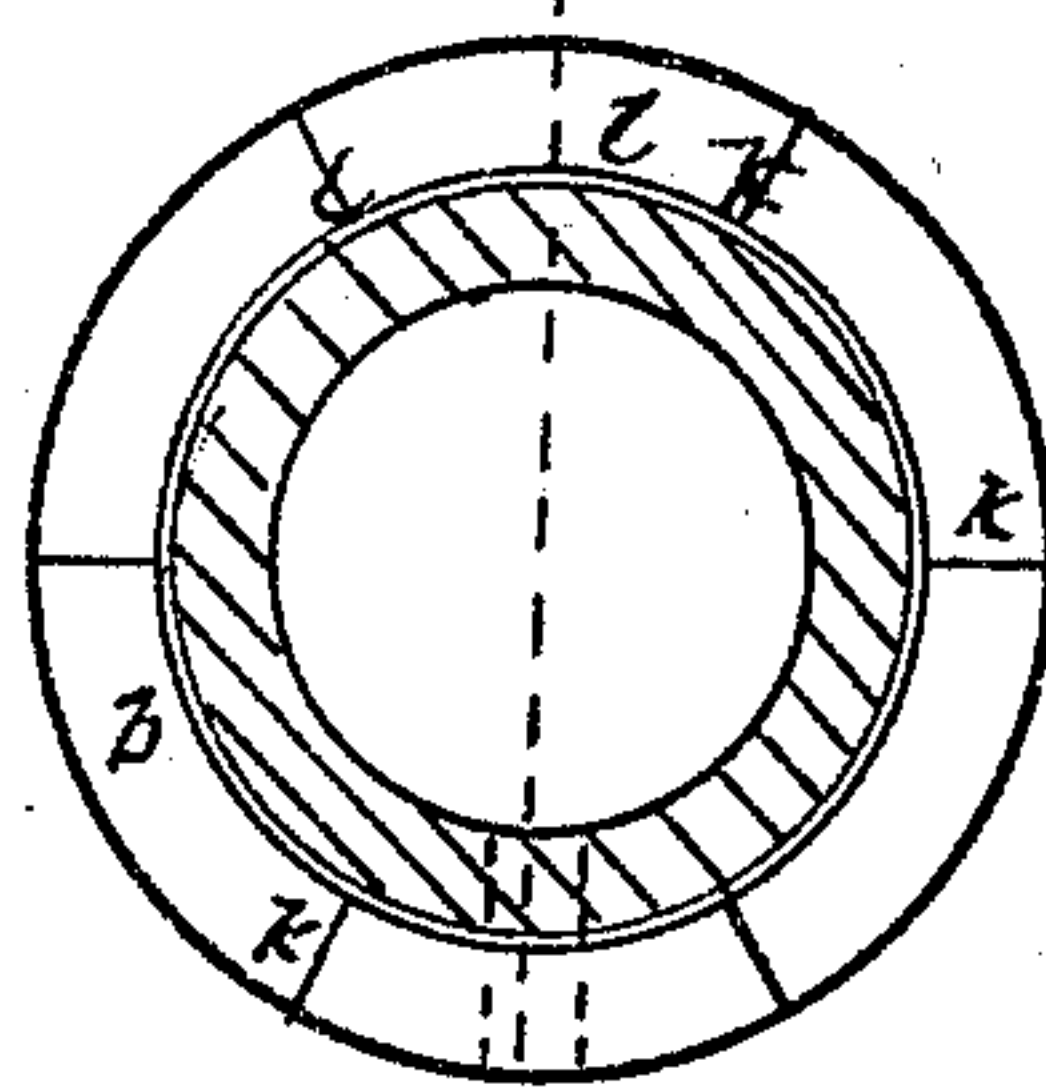


Fig. 2.



Witnesses:
John Adey
Geo. Charlesworth.

James Teachout Inventor

By J. W. Latcher. Attorney.

United States Patent Office.

JAMES TEACHOUT, OF WATERFORD, NEW YORK.

Letters Patent No. 72,117, dated December 10, 1867.

IMPROVEMENT IN KNITTING-MACHINES.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JAMES TEACHOUT, of Waterford, in the county of Saratoga, and State of New York, have invented a new and useful Improvement in Knitting-Machines; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 represents a vertical central section of a needle-cylinder with my invention applied thereto.

Figure 2 is a top view of a portion of the jack-retaining collar, showing, in the continued red line, the point of view in fig. 1.

The object of this invention is to adjust vertically the inner ends of the "jacks," or radial stitch or loop-lifters, by means of a movable disk, ring, collar, or hub, applied to hub or central portion of the needle-cylinder of knitting-machines, for the purpose of varying the kind of work to be done.

A, fig. 1, is the hub or central part of a needle-cylinder, which turns on a stud or pin-shaft, *b*. *c* are the needles. *d* shows the shaft which turns the take-up, and E is a collar secured thereto, and provided with adjusting-screws, *ff*, for the purpose of depressing the enclosing disk or collar G downward upon the rounded ends of the "jacks," thus forming joints to said jacks by means of a corresponding adjustable collar, H, underneath. The collar H, also, is loosely fitted to the hub or centre of the cylinder, nearly as shown, thus admitting of any required elevation or depression, in order to form "close-knit" and "lay goods." Said collars H and enclosing-ring or plate G are so arranged that they may be easily adjusted in a vertical direction by means of the screws *fff* pressing downward and on the ring G, and similar ones pressing upward against the collar H, (said screws are not shown in the drawing, one screw being sufficient for the purpose,) or in any equivalent way, in order to effect this much-desired end, to wit, to produce various kinds of work, as hereinbefore mentioned.

The collar H or ring G are, either of them, provided with wings *k k*, at convenient distances apart in the circular groove *l*, as shown in fig. 2, for the purpose of preventing the jacks M from being deranged at their inner ends where they are attached.

Having thus described my invention, what I desire to secure by Letters Patent, is—

1. The vertically-adjustable collars or rings G and H, for the purposes described.
2. In combination with the collars G and H, the partitions or wings *k* and groove *l*, as set forth.
3. In combination with the adjustable collars G and H, wings *k*, and groove *l*, the "jacks" or lifters M, formed as shown and described, and for the purpose specified.

Witnesses:

JOHN ADEY,
GEO. CHARLESWORTH.

JAMES TEACHOUT.