

(No Model.)

P. S. ROY.

PITMAN ATTACHMENT FOR SEWING MACHINES.

No. 318,207.

Patented May 19, 1885.

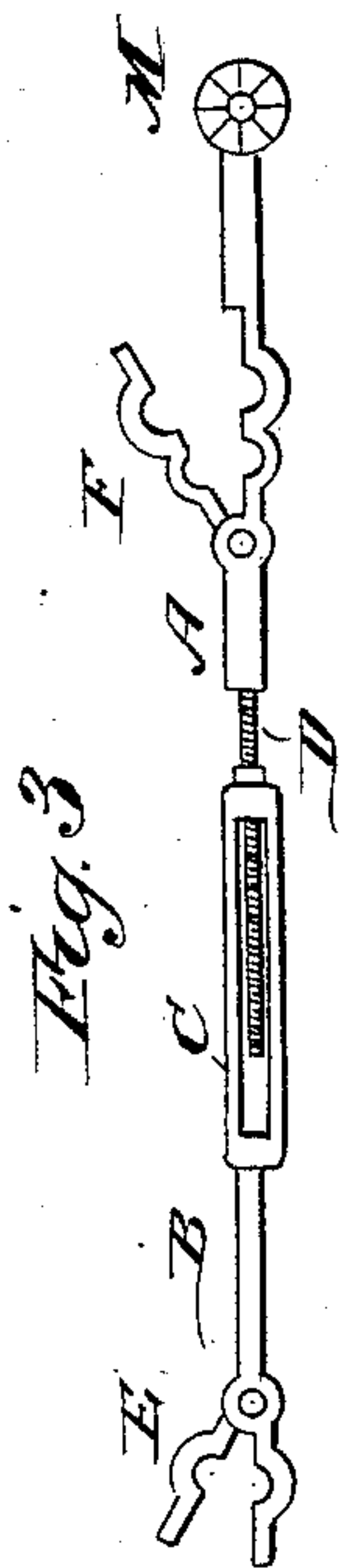


Fig. 3

Fig. 5

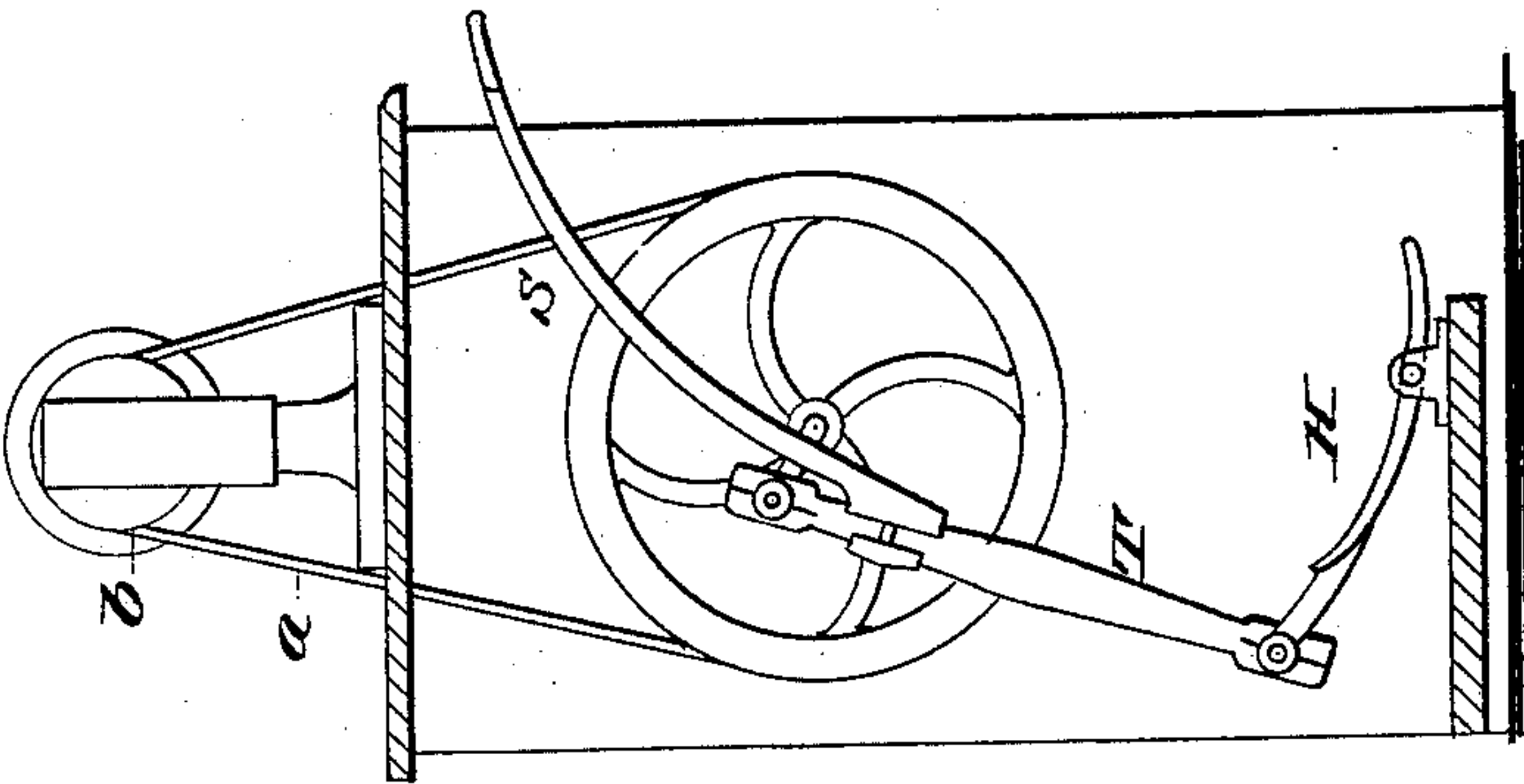


Fig. 4

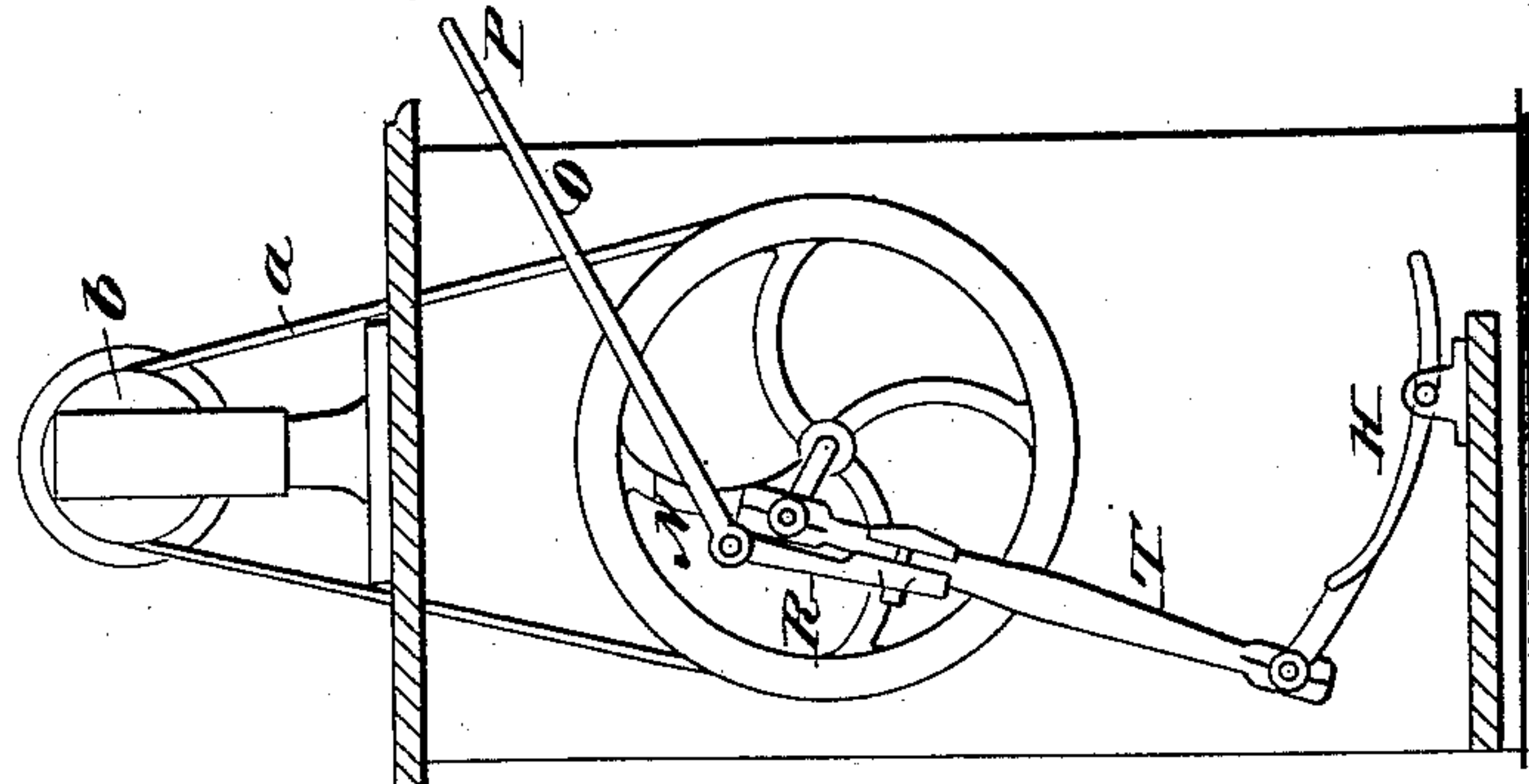


Fig. 2

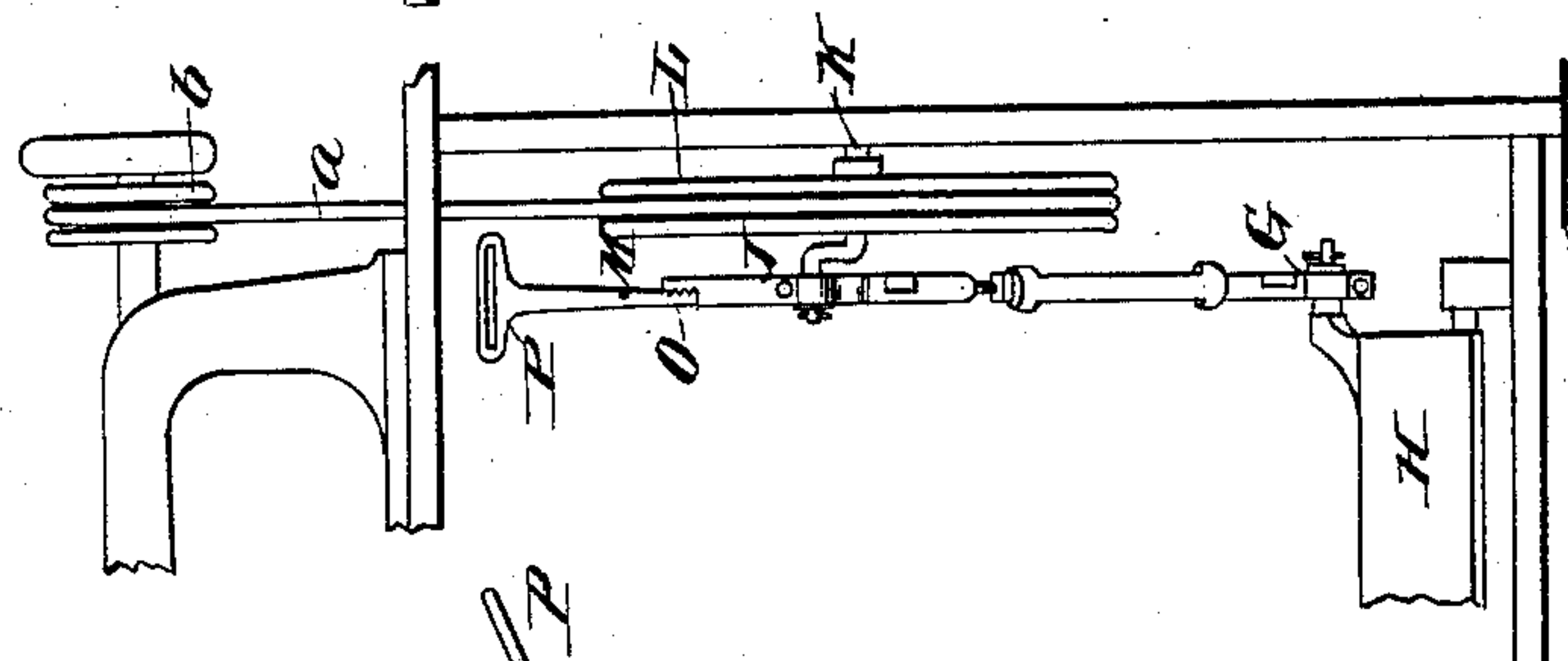


Fig. 1

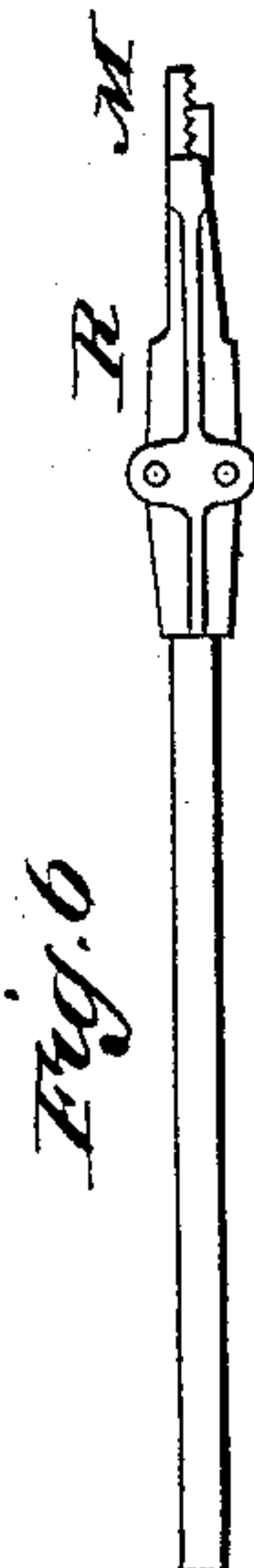
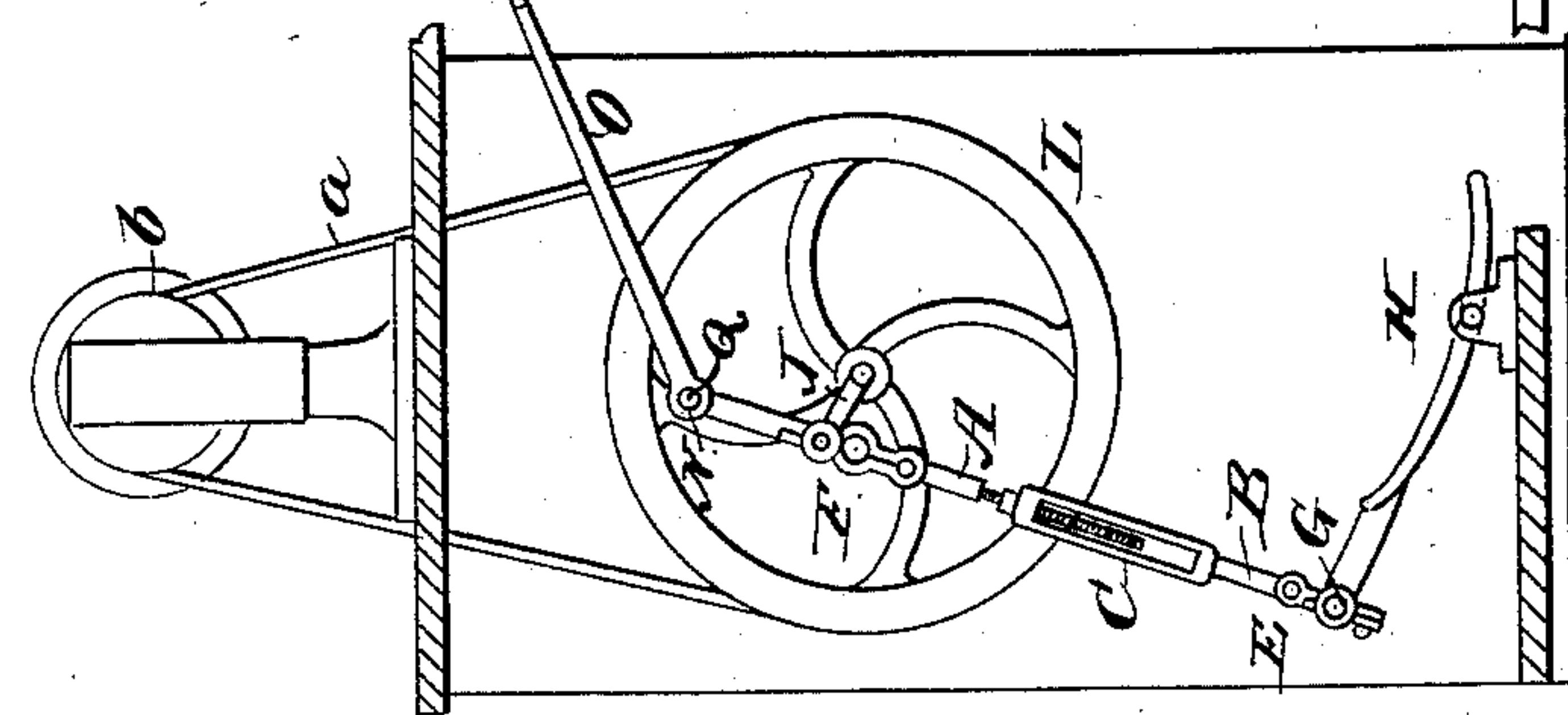


Fig. 6

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PITMAN ATTACHMENT FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 318,207, dated May 19, 1885.

Application filed March 17, 1885. (No model.)

To all whom it may concern:

Be it known that I, PETER S. ROY, of Denver, in the county of Arapahoe and State of Colorado, have invented a new and Improved
5 Pitman Attachment for Sewing-Machines, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved pitman attachment for sewing-machines, so that they can be operated by
10 the feet or by hand, as may be desired.

The invention consists in the arrangement and combination of parts and details, as will be fully set forth hereinafter.

15 Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a side view of a sewing-machine provided with my improved pitman. Fig. 2
20 is a front view of the same, parts being broken out. Fig. 3 is a longitudinal view of the pitman detached. Figs. 4 and 5 show sewing-machines having the usual pitman provided
25 with a hand attachment for operating it. Fig. 6 is a side view of the pitman and hand attachment shown in Fig. 4.

The pitman shown in Figs. 1, 2, and 3 is formed of the sections A and B, united by a
30 turn-buckle, C, secured on the part B at one end, a screw, D, on the part A being screwed through the upper end of the said turn-buckle.

A clamping-piece, E, is pivoted to the lower part of the part B, and a clamping-piece, F,
35 is pivoted to the part A some distance from the top.

The clamping-pieces E and F have semi-circular recesses or transverse grooves in their inner sides, and, with corresponding recesses
40 or grooves in the parts A and B, form apertures for receiving the pivot G on the treadle H or the crank J on the crank-shaft K, on which the hand-wheel L is mounted. The top clamp-piece, F, has two recesses of different
45 sizes, so as to adapt it to receive shafts of different diameters.

On the upper end of the part A a disk, M, is secured, which has its inner face toothed or ribbed, and against the inner toothed or ribbed
50 face of the disk M the inner toothed or ribbed

face of a disk, N, is placed, which is formed on the inner end of a bar, O, having a handle or loop, P, on its outer end. A bolt or screw, Q, is then passed through the two disks M and N to lock them together. The bar O can
55 be held and locked on the part A at any desired inclination by the bolt or screw Q.

The clamping-pieces E and F are swung from the parts B and A, and the pivot G on the treadle and the crank are passed between
60 the parts B A and the clamping-pieces E and F, and the latter held against the parts B and A by bolts or screws, whereby the pitman is securely connected with the treadle and crank, but can be removed or detached very easily
65 and rapidly.

The pitman can easily be lengthened by turning the part A so that the screw D passes a greater or less distance into the turn-buckle C.

The shaft K and the wheel L on it can be
70 revolved either by working the treadle with the feet or by means of the rod O, which is moved up and down and forward and back.

The machine is operated from the wheel L by means of the belt *a* and pulley *b* in the
75 usual manner. In case the machine is not provided with my improved pitman, a bar, R, is clamped on the usual pitman, T, near its top, the upper end of the bar projecting above the top of the pitman, and the handle-bar O is
80 pivoted to the bar R. The handle-bar O and the bar R are provided with the ribbed or toothed disks M N, or with any other devices for holding them at the desired angle.

If desired, the handle-bar S may be clamped
85 directly on the pitman, and projects beyond the edge of the table, as shown in Fig. 5. In this case the said bar S is curved.

The above-described pitman improvements can be applied on any other foot-power ma-
90 chinery, as well as on sewing-machines.

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

1. The combination, with a pitman extended
95 above the crank, of a handle-bar connected with the upper end of the pitman, substantially as herein shown and described.

2. The combination, with a pitman, of a handle-bar hinged on the same, and devices for
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holding the handle-bar at any desired angle to the pitman, substantially as herein shown and described.

3. The combination, with a pitman, of hinged
5 clamping-pieces for holding the same on the treadle pivot or crank, substantially as herein shown and described.

4. A pitman provided with an extension

above the crank, and having the toothed or ribbed disk M on the end of the extension, 10 substantially as herein shown and described.

PETER S. ROY.

Witnesses:

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