

W. E. N. POTTER.
Loom-Picker Springs.

No. 151,545.

Patented June 2, 1874.

Fig: 1.

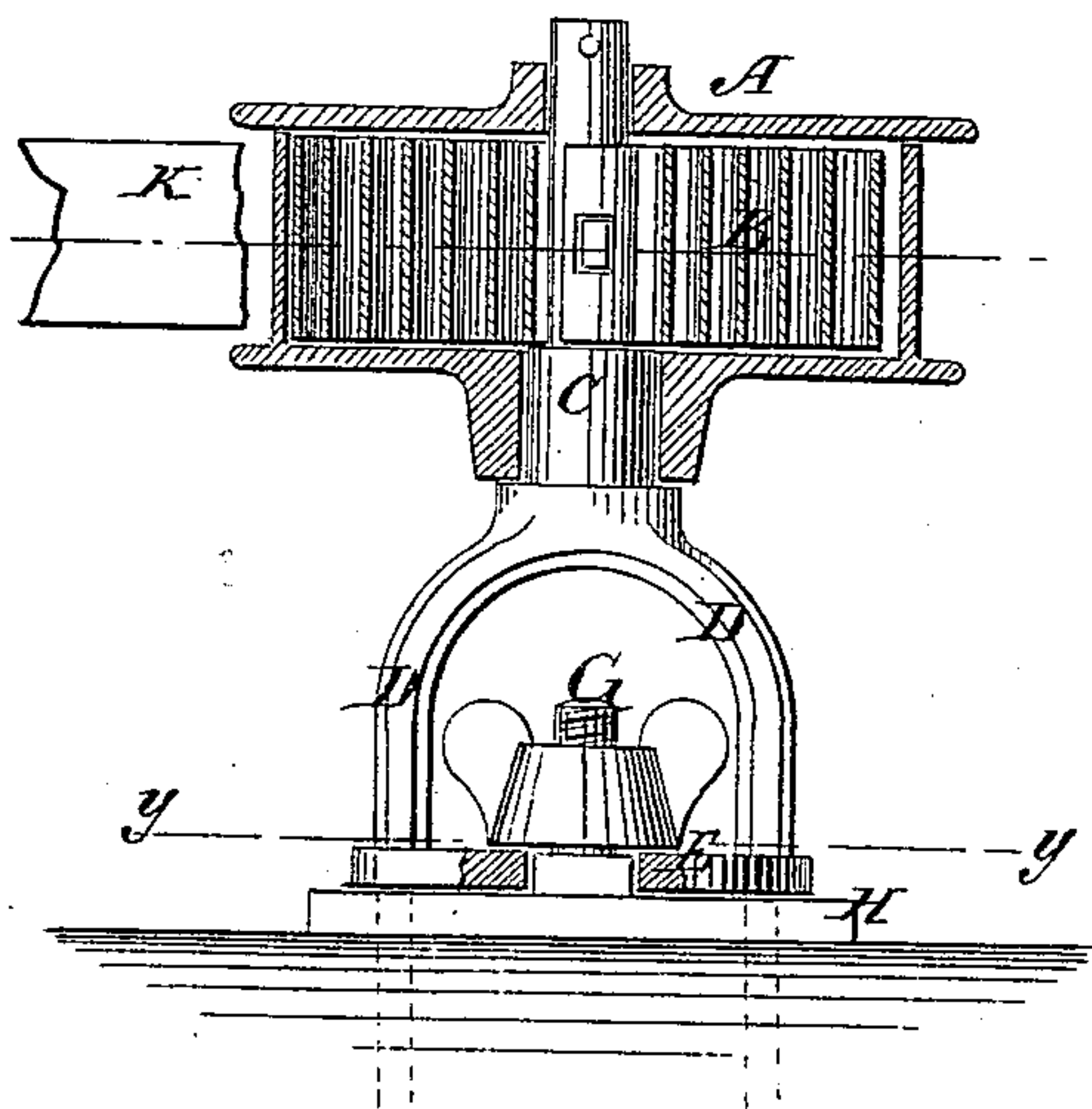


Fig: 4.

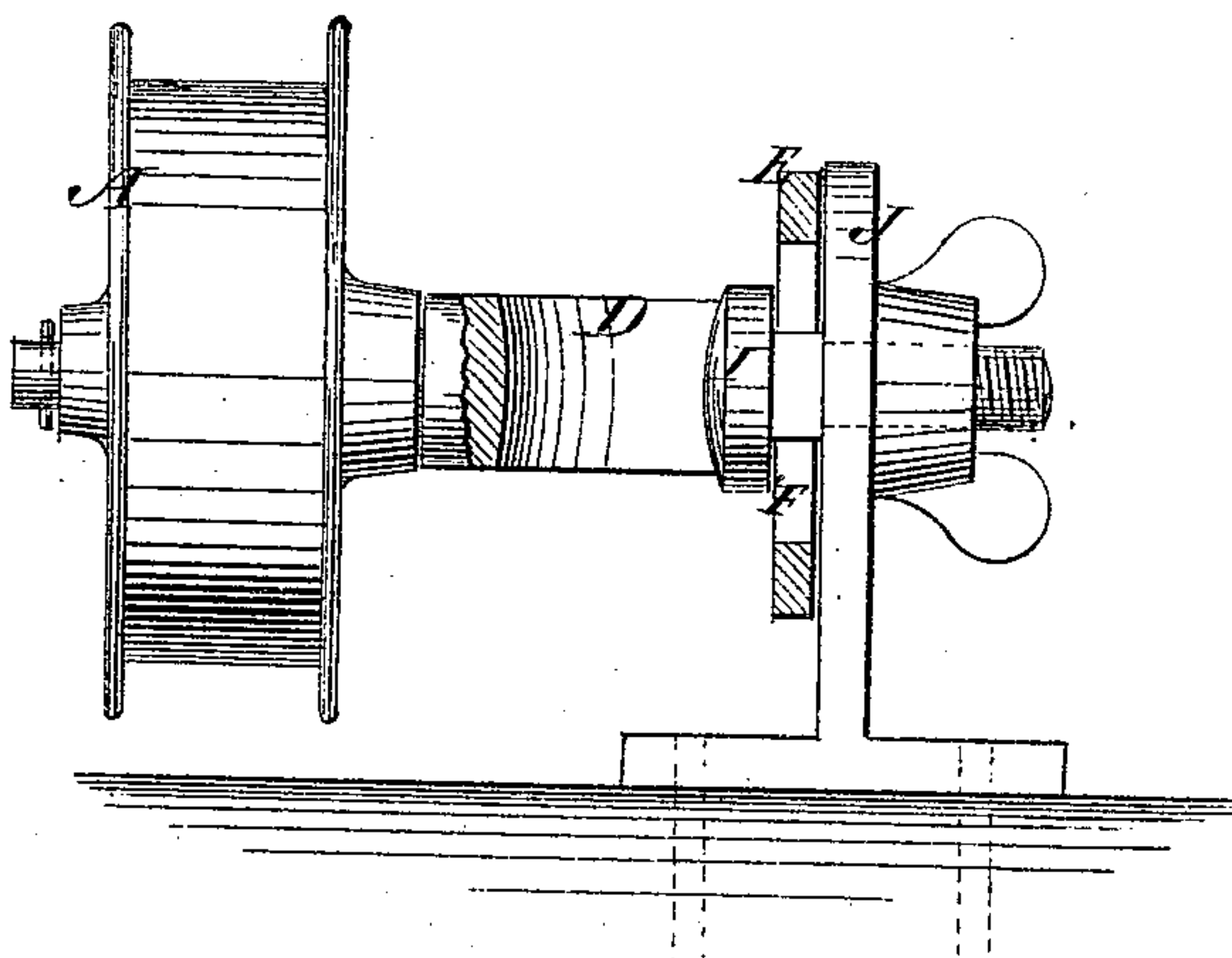


Fig: 2.

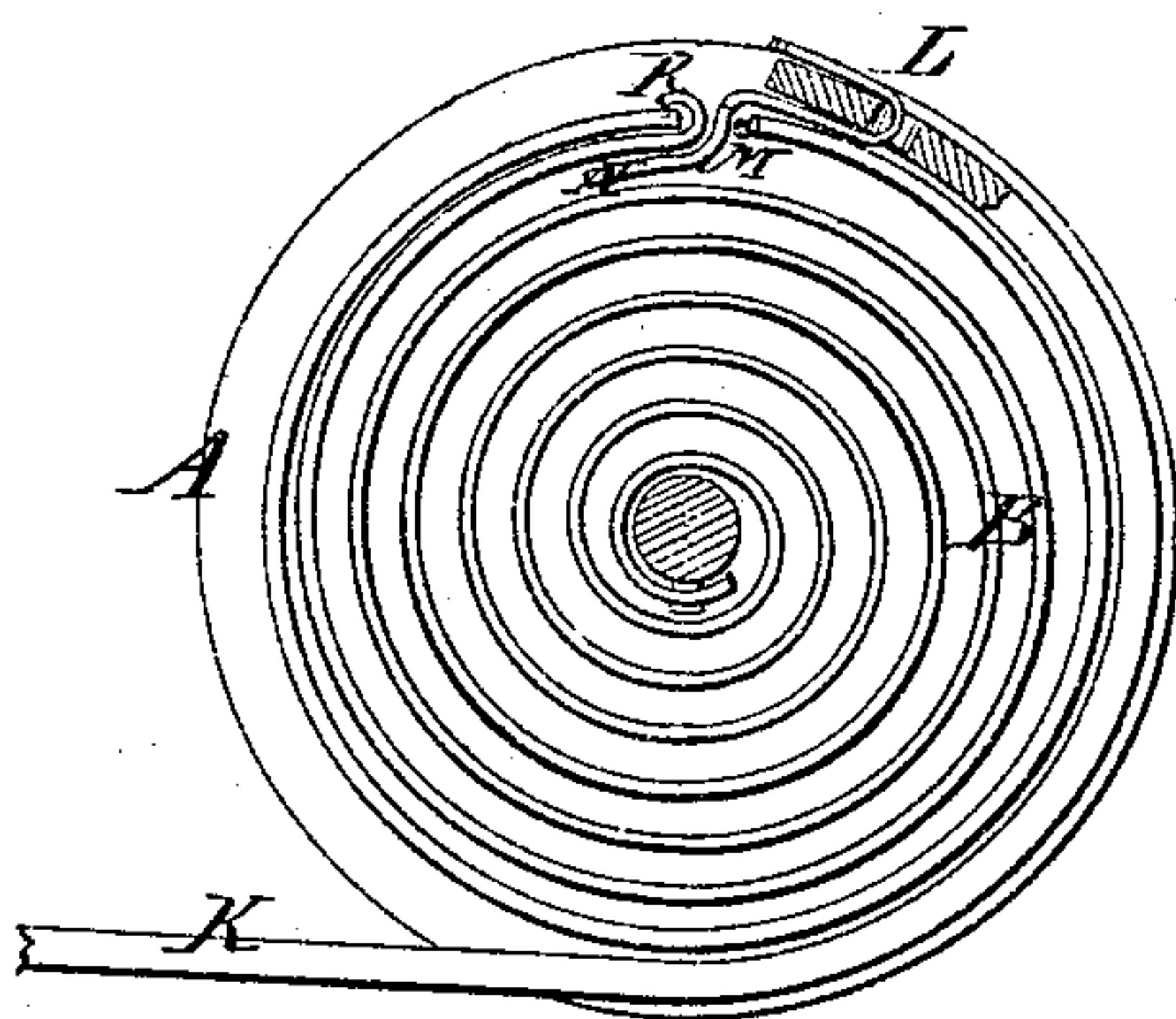


Fig: 3.

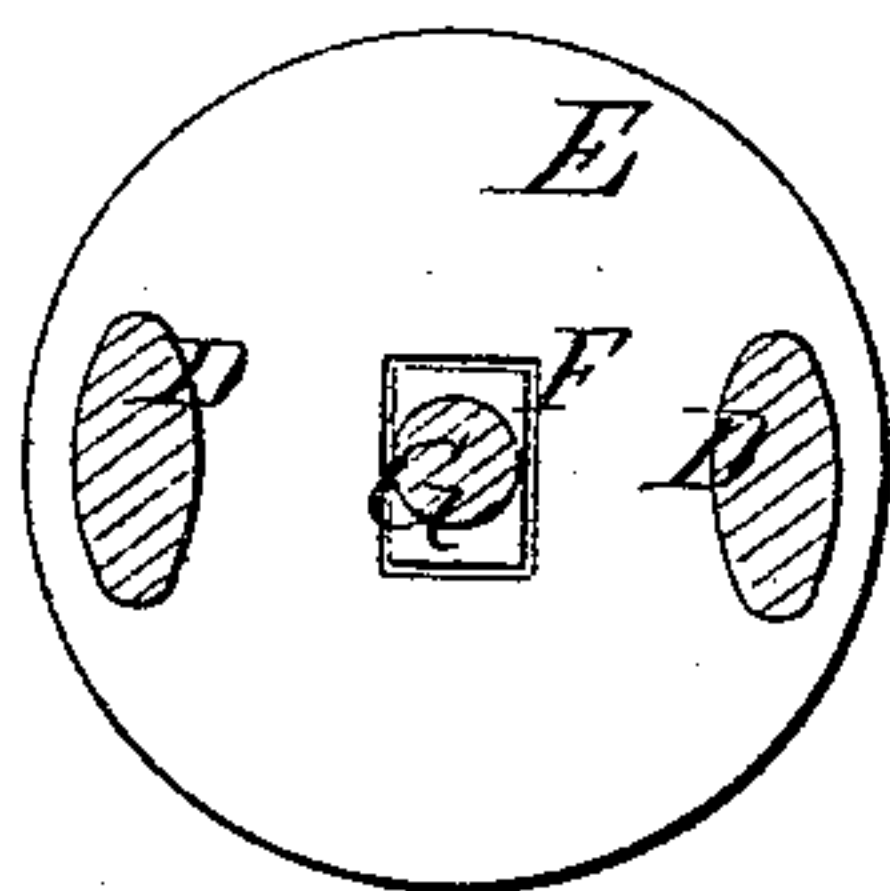
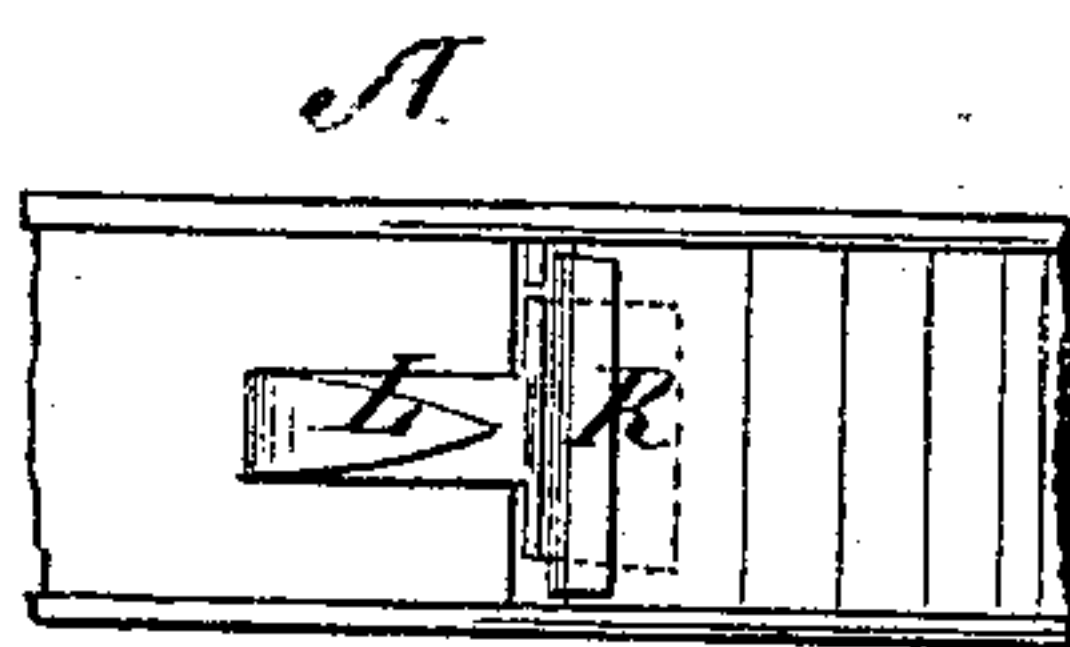


Fig: 5.



WITNESSES:

Chas. Nida.
Sedgwick

INVENTOR:

W. E. N. Potter
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ATTORNEYS.

UNITED STATES PATENT OFFICE.

WILLIAM E. N. POTTER, OF LEWISTON, MAINE.

IMPROVEMENT IN LOOM PICKER-SPRINGS.

Specification forming part of Letters Patent No. **151,545**, dated June 2, 1874; application filed February 7, 1874.

To all whom it may concern:

Be it known that I, WILLIAM E. N. POTTER, of Lewiston, in the county of Androscoggin and State of Maine, have invented a new and Improved Loom Picker-Spring, of which the following is a specification:

The invention relates to mounting a spring-pulley (around which is wound the strap that connects it with the picker-stick) on a crotched stand having a slotted base to adapt it to be secured to a screw-stud in a vertical or horizontal position. It also relates to the means of securing the strap to the pulley-case, as hereinafter described.

Figure 1 is a sectional elevation of a spring-pulley mounted on a stand constructed according to my invention. Fig. 2 is a horizontal section taken on the line *x x* of Fig. 1. Fig. 3 is a horizontal section taken on the line *y y* of Fig. 1. Fig. 4 is partly a side elevation and partly a section when the stand is attached to the side of a vertical support. Fig. 5 is a detail view, showing the arrangement of the band-hook.

Similar letters of reference indicate corresponding parts.

A represents a hollow double-flanged pulley, containing a flat coiled spring, B, mounted on a spindle, C, having a crotched standard or

support, D, projecting from a base-plate, E, which has a slotted hole, F, through it for the fastening stud-screw G of a floor-plate, H, or bolt I of a standard, J. The spring is connected at one end to the spindle, and at the other end to the rim of the pulley, and a hook, L, is employed to connect the strap K to the pulley, the hook being fastened in the slot in the face of the pulley by its bent portion M and the straight extension N, said extension being pressed in between the two coils of the spring, and kept in place by them.

This arrangement allows of readily putting in the hook and taking it out, so that a broken or worn-out hook can be readily replaced.

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

1. The crotched standard D and slotted stand-plate E, in combination with the spindle C, pulley A, and spring B, substantially as specified.

2. The strap-hook L, secured to the pulley by its bent part M and extension N, as described.

WILLIAM E. N. POTTER.

Witnesses:

HIRAM A. ROBINSON,
JAMES H. MILLER.