

E. P. WEST.

Improvement in Sewing-Machines.

No. 130,675.

Patented Aug 20, 1872.

Fig 1

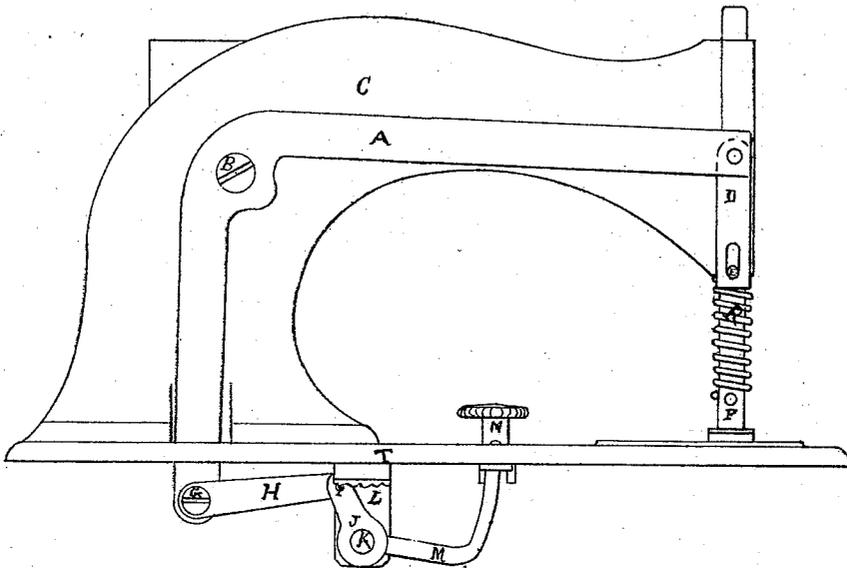


Fig 3

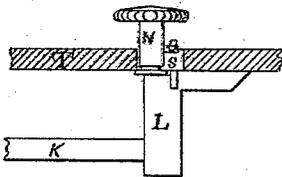


Fig 2

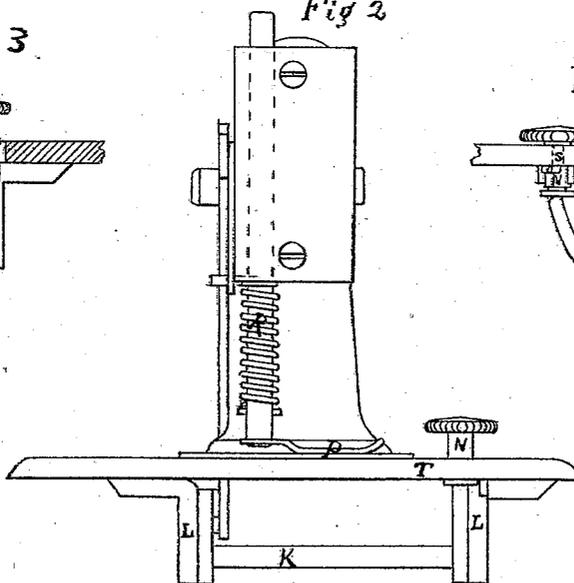
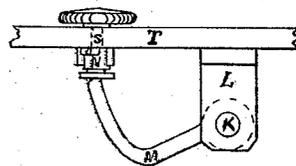


Fig 4



Witnesses
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UNITED STATES PATENT OFFICE.

ELLIOTT PENDLETON WEST, OF JERSEY CITY, NEW JERSEY.

IMPROVEMENT IN SEWING-MACHINES.

Specification forming part of Letters Patent No. 130,675, dated August 20, 1872.

SPECIFICATION.

To all whom it may concern:

Be it known that I, ELLIOTT PENDLETON WEST, of Jersey city, Hudson county, and State of New Jersey, have invented a new and useful Improvement in Sewing-Machines; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing making a part of this specification and the letters of reference marked thereon, in which the same letter represents the same thing in each figure.

Figure 1 represents a side elevation of parts of a sewing-machine with my improvements attached. Fig. 2 represents a front elevation of the same. Figs. 3 and 4 represent a section and side elevation of certain parts.

The object of my invention is to enable the operator of a sewing-machine to speedily and handily lift the presser-foot thereof, and keep it lifted so long as convenience requires. This is effected by a lever, the action of which is controlled by a plunger coming through the cloth or bed-plate of the machine near the hand of the operator.

A is the lifting-lever, pivoted on stud B to arm C, and connected at one end by slotted tie-piece D to pin E in presser-foot bar F, and at the other by screw-pin G, connecting-piece H, pin I, and rock-arm J to shaft K, hung on

arms L. M is the shaft-lever extending to plunger N, having a small holding-pin, O, in its side. P is the presser-foot; R, its spring; S, a slot through bed-plate T.

The action is as follows: Pressing upon the plunger N depresses lever M, turns shaft K, and arm J draws piece H and lever A, which lifts presser-foot P. A slight turn of plunger N carries pin O beneath cloth-plate T and one side of slot S therein, and by preventing the plunger's rise, holds presser-foot R up until the plunger is turned back and pressure taken therefrom, when spring R brings presser-foot P upon the material, and, by pin E and the connections before enumerated lifts plunger N. It is obvious that the plunger may be placed elsewhere in the bed-plate, or in the lower part of the arm of the machine, wherever it can be most readily reached to actuate the lifting-lever.

What I claim and desire to secure by Letters Patent is--

The mechanism shown, consisting of lifting-lever A, shaft K, and plunger N, connected and operated substantially as and for the purpose described.

ELLIOTT PENDLETON WEST.

Witnesses:

S. J. GORDON,
JOHN W. RIPLEY.