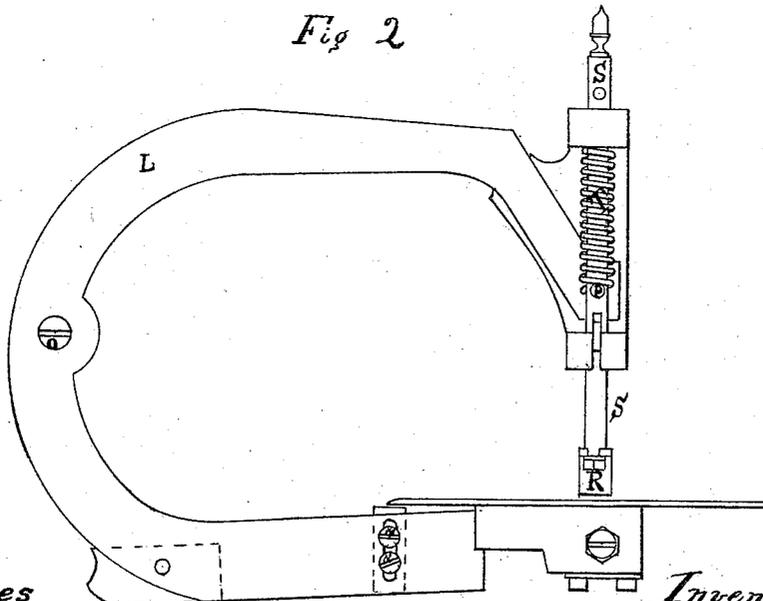
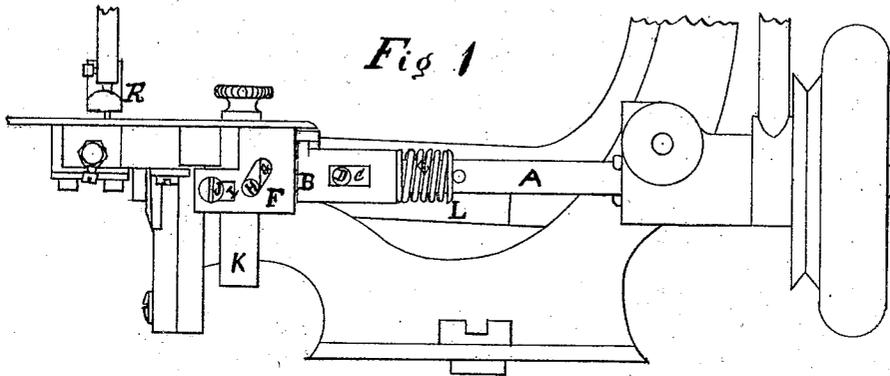
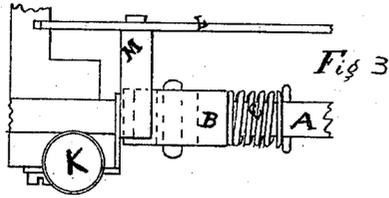


E. P. WEST.
Sewing-Machine.

No. 130,674.

Patented Aug 20, 1872.



Witnesses
D. J. Gordon
John W. Ripley

Inventor
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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. 130,674, 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 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 fragmentary portion of a sewing-machine with my improvements applied thereto. Fig. 2 represents a side elevation of portions of my improved mechanism for raising the presser-foot. Fig. 3 is a top view or plan of certain parts.

The object of my invention is to lift the presser-foot of a sewing-machine while the machine is in operation for a brief period, to facilitate the turning of the material.

A is the main shaft; B, the lifting-cam; C, its slot; D, its pin; E, its spring; F, the cam-slide; G, its slot; L, its guide-slot; J, the guide-screw thereof; K, the slide-bar; H, its pin; L, the lifting-lever; M, its connecting-piece; N N, its adjusting-screws; O, its stud; P, its pin; R, the presser-foot; S, the presser-foot bar; T, its spring.

The operation is as follows: Revolving main shaft A rotates cam B, and when pressure is applied upon slide-bar K its pin H works in slot G and moves cam-slide F, so that cam B lifts connecting piece M, which causes the lifting-lever L to turn upon stud O and raise the presser-foot bar S by pin P therein. The presser-foot R will rise from and return, by action of spring T, upon the material at each revolution of the main shaft, remaining off while cam B is passing connecting piece M, and no longer. Releasing the pressure from slide-bar K, spring E returns cam B to its position out of contact with connecting piece M, and raises slide-bar K by cam-slide F, slot G, and pin H.

What I claim, and desire to secure by Letters Patent, is—

The mechanism shown, consisting of slide-bar K, the slotted cam-slide F, cam B, and lifting-lever L, constructed and operating, substantially as described, to lift and restore the presser-foot of a sewing-machine while in operation.

ELLIOTT PENDLETON WEST.

Witnesses:

S. J. GORDON,
JOHN W. RIPLEY.