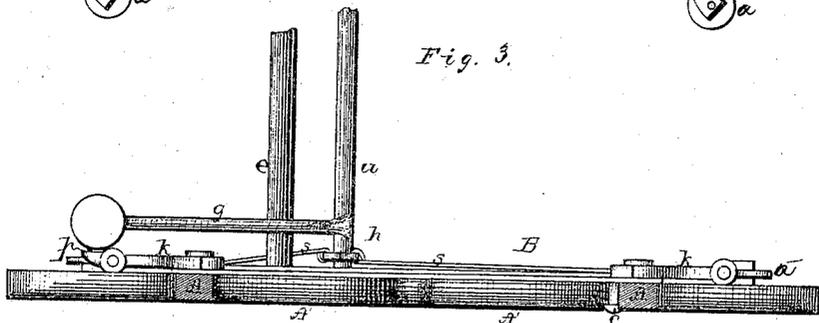
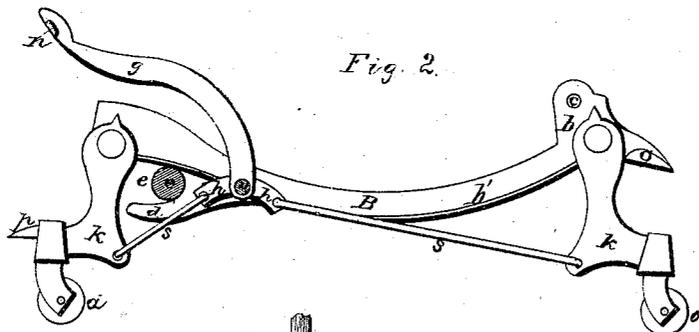
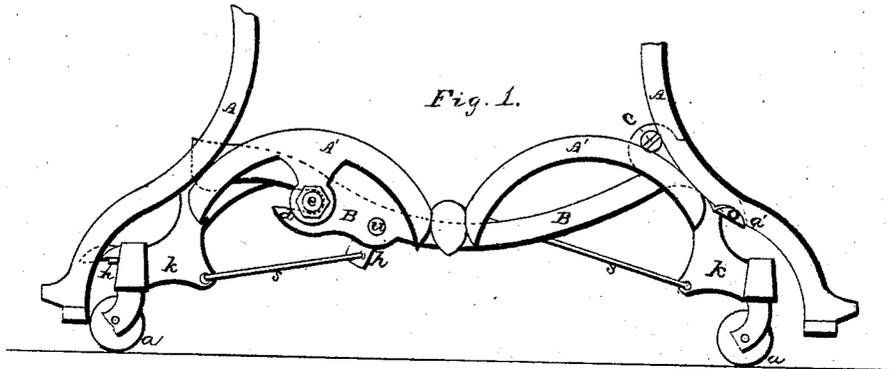


L. L. ROBINSON.  
Sewing-Machine Casters.

No. 147,574.

Patented Feb. 17, 1874.



WITNESSES.  
W. H. Q. Murphy  
D. L. W. Hall.

INVENTOR.  
L. L. Robinson  
per  
F. A. Lehmann, Atty.

# UNITED STATES PATENT OFFICE.

LUTHER L. ROBINSON, OF SALEM, ASSIGNOR TO JAMES K. PROCTOR, OF  
MALDEN, MASSACHUSETTS.

## IMPROVEMENT IN SEWING-MACHINE CASTERS.

Specification forming part of Letters Patent No. 147,574, dated February 17, 1874; application filed  
January 14, 1874.

*To all whom it may concern:*

Be it known that I, LUTHER L. ROBINSON, of Salem, in the county of Essex and State of Massachusetts, have invented certain new and useful Improvements in Casters for Sewing-Machines; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

The nature of my invention relates to an improvement in casters for sewing-machines; and it consists in two bars, one of which is attached to each leg of the machine, which bars are secured thereto by means of a hook, which catches over the treadle-bar, a lip, which catches under the leg, and a screw, which passes over its top. It also consists in a novel arrangement and combination of devices, which will be more fully described hereafter.

Figure 1 is a part end view of a sewing-machine table to which my improvement is attached. Fig. 2 is a side elevation of my invention detached from the frame. Fig. 3 is a plan view of my device attached to the frame.

A represents the leg or frame of a sewing-machine table. Attached to each leg by means of an upturned lip, *o*, which catches under the leg *a'*, by a screw, *c*, which passes over the top of the cross-bar *A'* at its junction with leg *A*, and by a hook or prong, *d*, which catches over the treadle-rod *e*, is a bar, *B*, to which the casters *a* are pivoted by means of the bell-crank levers *k*. These bars, having a flange, *b'*, on their inner bottom edges, which limit the movement of the levers *k*, are thus attached to the machine without the necessity of boring or drilling a single hole. By changing the relative position of the lip, the extension *b*, and the prong *d*, these bars, with their casters, can be attached to any ordinary sewing-

chine table. Running parallel with the treadle-bar *e*, from one end of the frame to the other, is a rock-shaft, *u*, to which the foot-lever *g* is secured. At each end of this shaft, extending at right angles to it, is a double-armed lever, *h h*, which is connected at each end to the bell-crank levers *k* by means of the wires or rods *s*, so that, by pressing down upon the lever *g* with the foot, and thus turning the rock-shaft with its levers, the casters are drawn up into a vertical position, raising the machine up from the floor, so as to rest upon the casters alone. Upon the side of the foot-piece of the lever *g* is formed a small stud or projection, *n*, which catches under a shoulder or lip, *p*, of one of the bell-crank levers and holds the foot-lever down, as shown in Fig. 1. As soon as the lever is released the weight of the machine causes the casters to spread outward until the feet rest solidly upon the floor.

Having thus described my invention, I claim—

1. The bars *B B*, having lips *o*, projection *b*, and prong or hook *d*, arranged to be attached by a single screw, *c*, to the frame *A A'*, substantially as set forth.

2. The foot-lever *g*, having the projection or stud *n* to catch under a shoulder or lip, *p*, of one of the bell-crank levers *k*, substantially as specified.

3. The combination of the bars *B B*, rock-shaft *u*, foot-lever *g*, double-armed levers *h h*, wires or rods *s*, bell-crank levers *k*, and casters *a*, all arranged, constructed, and operating substantially as shown and described, for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand.

LUTHER L. ROBINSON.

Witnesses:

JOHN V. FELT,  
GEO. F. MARTIN.