B. F. RYDER.

Sewing-Machine Casters.

No. 200,092. Patented Feb. 5, 1878.

Fig. 1.

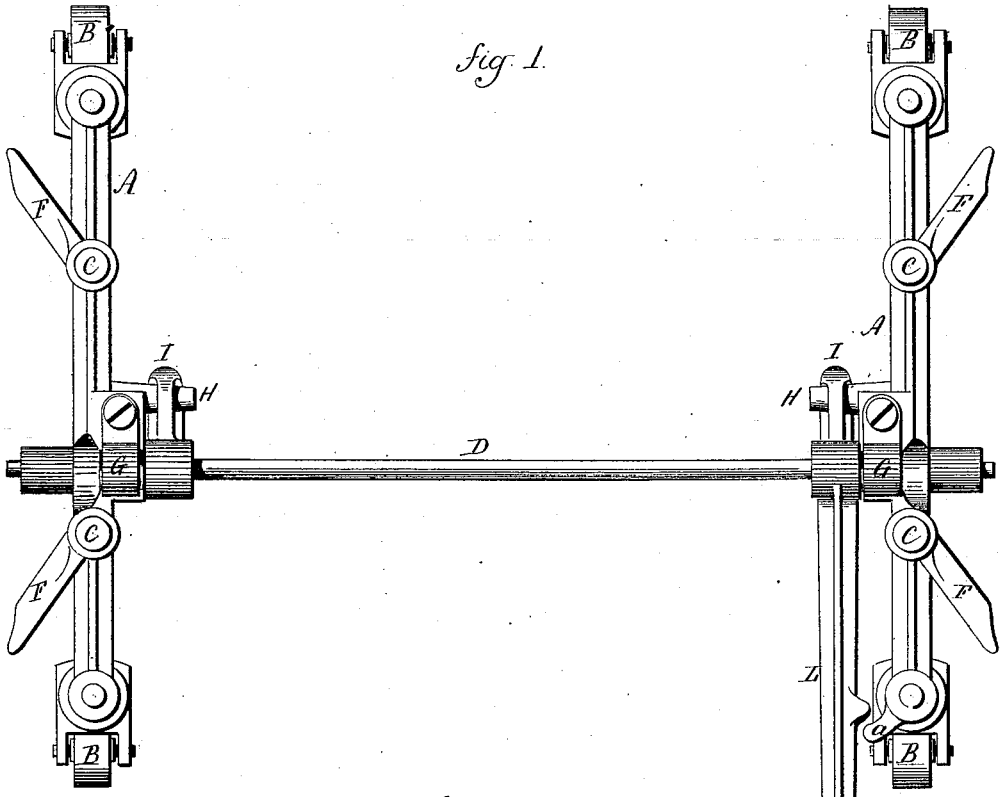
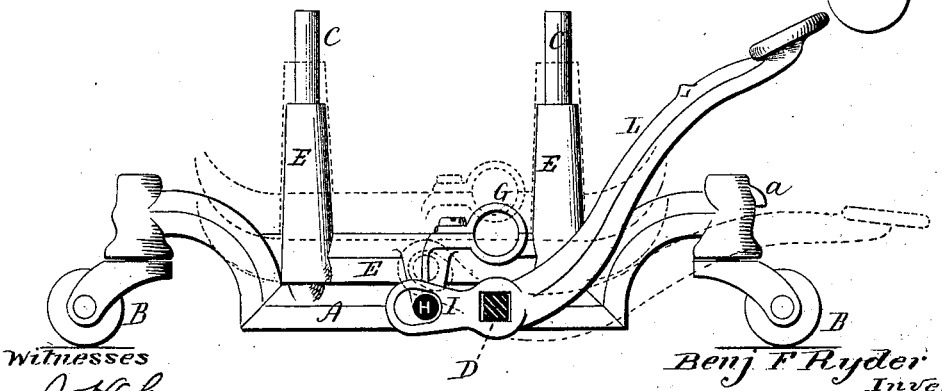


Fig. 2.



Witnesses

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BENJAMIN F. RYDER, OF NEW HAVEN, ASSIGNOR TO MARTIN W. FOSTER, OF DANBURY, CONNECTICUT.

IMPROVEMENT IN SEWING-MACHINE CASTERS.

Specification forming part of Letters Patent No. **200,092**, dated February 5, 1878; application filed December 11, 1877.

To all whom it may concern:

Be it known that I, BENJ. F. RYDER, of New Haven, in the county of New Haven and State of Connecticut, have invented a new Improvement in Sewing-Machine Casters; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, plan or top view; Fig. 2, transverse section, looking toward the treadle.

This invention relates to an improvement in caster attachments for sewing-machine tables, having for its object to support the table directly on the feet of the frame, and to throw that support on the casters whenever it is desirable to move the table, and to make the adjustment from solid bearing to the casters, and vice versa, easy and simple; and it consists, principally, in a frame carrying a caster at each end, and having vertical parallel guides thereon, combined with a slide on said guides, upon which the legs of the sewing-machine rest, and also with mechanism for raising or lowering said slides, whereby the machine is thrown upon the casters when desirable to move it, or rests firmly upon the floor at other times, and as more fully hereinafter described and claimed.

A is a frame or connection extending across each end; and at each end of the two sides of the frame A a caster-wheel, B, is arranged, preferably swiveled, so as to readily turn in either direction. From each of these frames A a pair of upright guides, C, extend parallel to each other. The two frames are connected by a rod or shaft, D. On the said guides C a slide, E, is placed so as to move freely up and down on the said guides. From each of the said slides arms F project, so that the table-legs will rest thereon, and allow the feet to rest on the floor when the slides are down, as indicated in broken lines, Fig. 2. These slides are connected respectively to the legs at each end of the table by means of a clamp, G, grasping the tie between the two legs; or it may be secured at other convenient points; or it may simply rest thereon, the securing device being simply a convenience. From each of the slides an arm, H, extends inward, and on the shaft D two cams, I, are arranged, corresponding respectively to the arms H, and so that by turning the shaft D the cams I will engage the arms H, and raise both the slides simultaneously, and with the slides the machine-table.

From the shaft D a treadle or lever, L, extends to the front, and, preferably, a continuation of one of the cams, so that by placing the foot upon the treadle L, and pressing downward, as indicated in broken lines, Fig. 2, the slides will be simultaneously raised.

In order that the table may remain supported when raised for movement, a projection, *a*, is made on the frame, so that the treadle L will pass beneath it when pressed downward, as seen in broken lines, Fig. 2, and will be so engaged until the lever be disconnected. This projection *a* may be a latch, or it may be rigid. In the latter case a slight transverse play must be allowed to the lever on the shaft.

It will be understood that it is not intended to broadly claim the application to a sewing-machine table of casters having combined with them a device so as to throw the weight of the machine onto or off from the casters, as may be desired, because such an arrangement is well known.

I do not broadly claim an independent caster-frame on which the machine may be set, as such I am aware is not new; but

What is claimed as new, and desired to be secured by Letters Patent, is—

1. The combination of the frame carrying a caster at each end and vertical parallel guides on the said frame with a slide on said guides, and constructed to receive the legs of the machine, substantially as specified.

2. The combination of the frame carrying a caster at each end and vertical parallel guides on the said frame, a slide on said guides, and

constructed to receive the legs of the machine, with cams and treadle, substantially as described.

3. The combination of the frame carrying a caster at each end and vertical parallel guides on the said frame, a slide on said guides, and constructed to receive the legs of the machine, with cams and treadle, and a latching device to engage the said treadle, substantially as described.

BENJ. F. RYDER.

Witnesses:
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