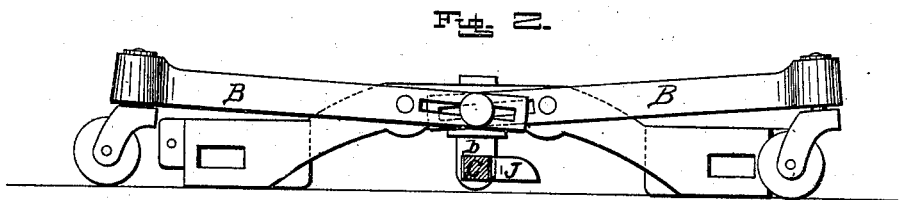
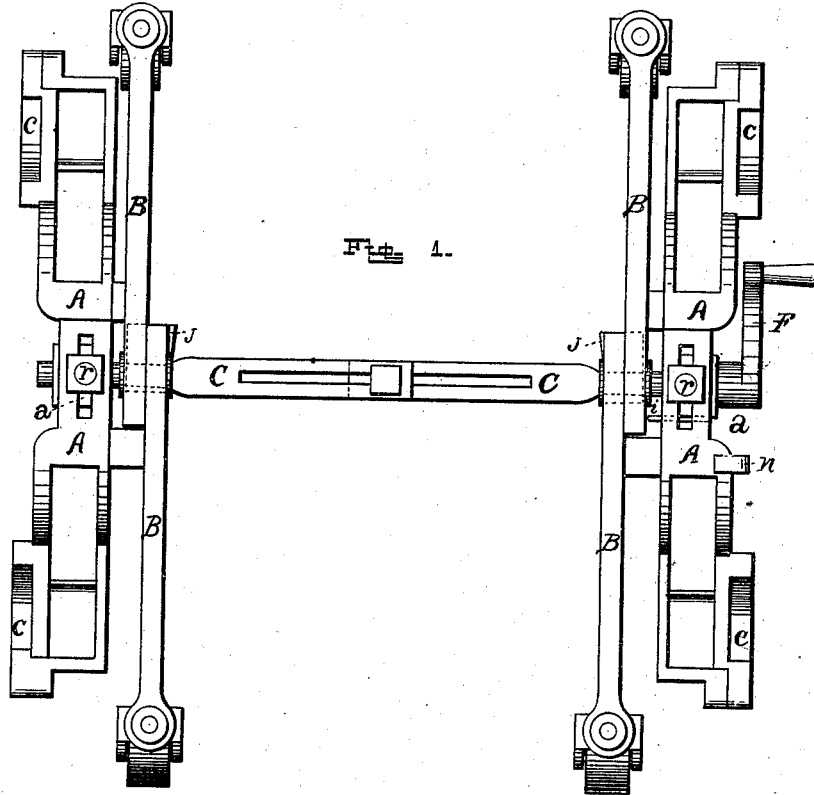


B. F. STARK.
Caster-Frame for Sewing-Machine.

No. 203,789.

Patented May 14, 1878.



Witnesses.

J. W. Garner
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Inventor.

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UNITED STATES PATENT OFFICE.

BENJAMIN F. STARK, OF WEST NEWTON, PENNSYLVANIA.

IMPROVEMENT IN CASTER-FRAMES FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. 203,789, dated May 14, 1878; application filed March 26, 1878.

To all whom it may concern:

Be it known that I, BENJAMIN F. STARK, of West Newton, in the county of Westmoreland and State of Pennsylvania, have invented certain new and useful Improvements in Caster-Frames 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.

My invention relates to an improvement in caster-frames for sewing-machines; and it consists in the arrangement and combination of parts that will be more fully described hereinafter, whereby the blocks which unite the arms together also act as journals for the connecting-rods.

The accompanying drawings represent my invention.

A represents two arms, provided at their inner overlapping ends with longitudinal slots *a*. Through these slots passes a screw-bolt, *r*, into the block *b*, which block supports the slotted ends of the arms A. The outer ends of the arms A are formed for the reception of the feet of the sewing-machine, and support its weight when in operation or standing still.

The plate *c* on the outer ends of the arms A is removable to admit the feet of the sewing-machine, and, when admitted, to confine them to their places. The screw-bolt *r*, when loosened, allows the arms A to be adjusted to the width of the sewing-machine, and when screwed down prevents any disarrangement of these parts.

To the inside of the arms A are pivoted the bars B. These bars are slotted at their inner ends, which pass alongside of each other, and, by a bolt through the slots of both, held loosely together, so as to allow them to be extended or shortened with the arms A, to suit the occasion. Under the extremities of the bars B are secured the casters. As long as the machine remains in one position, or while it is operated, its weight rests entirely upon the ends of the arms A, and the casters remain idle.

Connecting the arms A are the bars C, pivoted in the blocks *b*, in which they may be made to turn until checked by the shoulder *i*. These bars C, slotted at their inner ends, are also held together by a bolt passing through the slots, in a manner to allow such adjustment as may be required. Each one of these bars C is provided with a lifter, J, placed under the inner slotted ends of the bars B, which ends, when the bars C are turned until checked by the shoulder *i*, are raised up by the lifters and held by them in that position.

In order to turn the bars C, a crank, F, is applied to one of its outer ends and secured under the projection *n* on the outside of one of the arms A.

The effect of elevating the inner ends of the bars B would be to depress the outer ends; but, as these rest upon the floor, they cannot yield; consequently the inner ends must rise the higher, and they being pivoted in the blocks *b*, to which the arms A are bolted, on which the sewing-machine stands, all are raised together, and their weight wholly thrown upon the casters.

I am aware that bars or rods pivoted together at their inner ends and provided with casters at their outer ends are old.

Having thus described my invention, I claim—

1. In a caster-frame for sewing-machines, the blocks *b*, which serve to unite the two arms A, and serve as journals for the rods C, in combination with the bars B, substantially as shown.

2. The combination of the slotted rods C, provided with the lifters J, blocks *b*, bars B, arms A, slotted at their inner ends, bolts *r*, and crank F, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 20th day of March, 1878.

BENJAMIN F. STARK.

Witnesses:

F. A. LEHMANN,
T. F. LEHMANN.