

(No Model.)

L. LEVENSON.  
WEFT FORK FOR LOOMS.

No. 453,412.

Patented June 2, 1891.

Fig. 1.

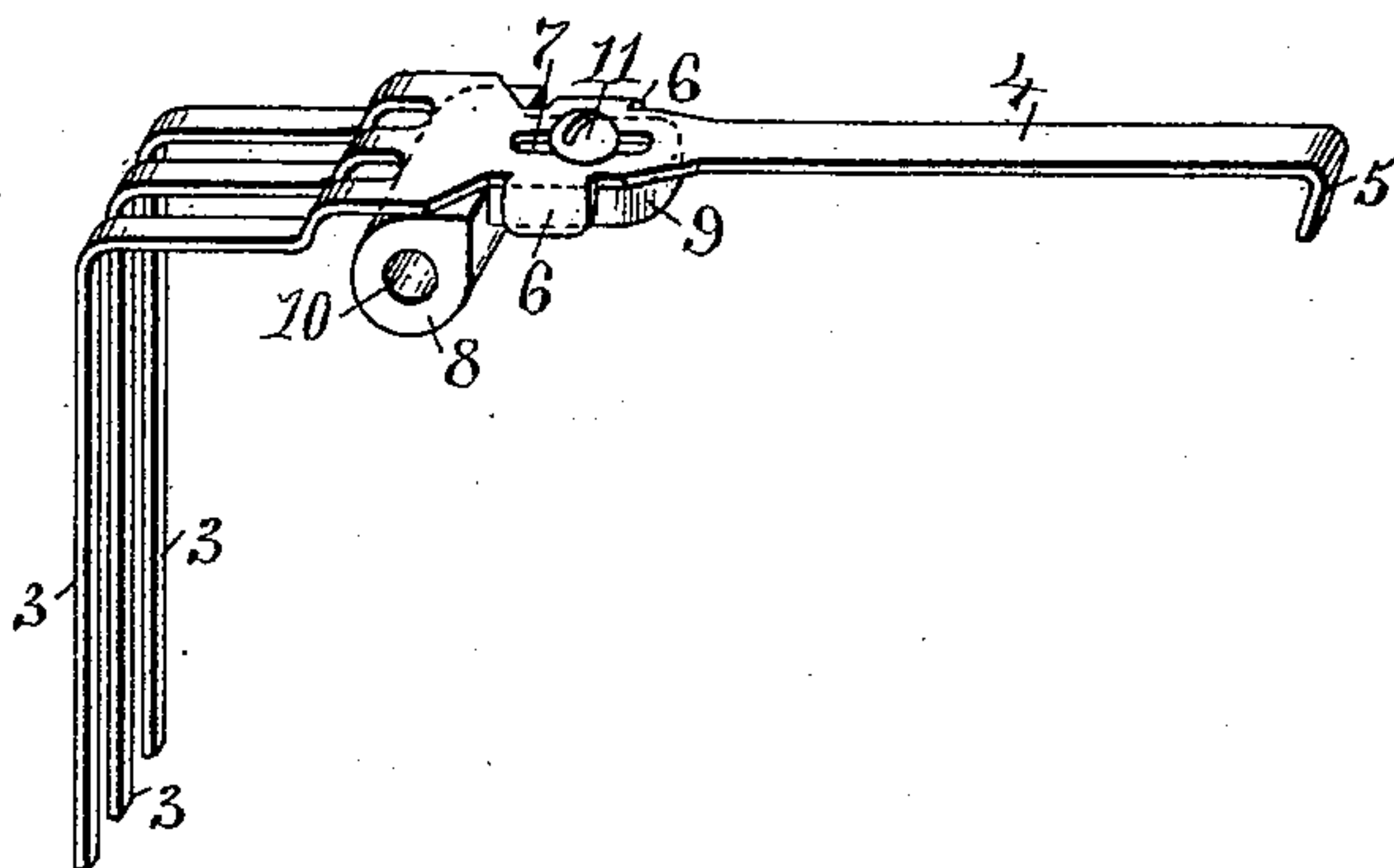
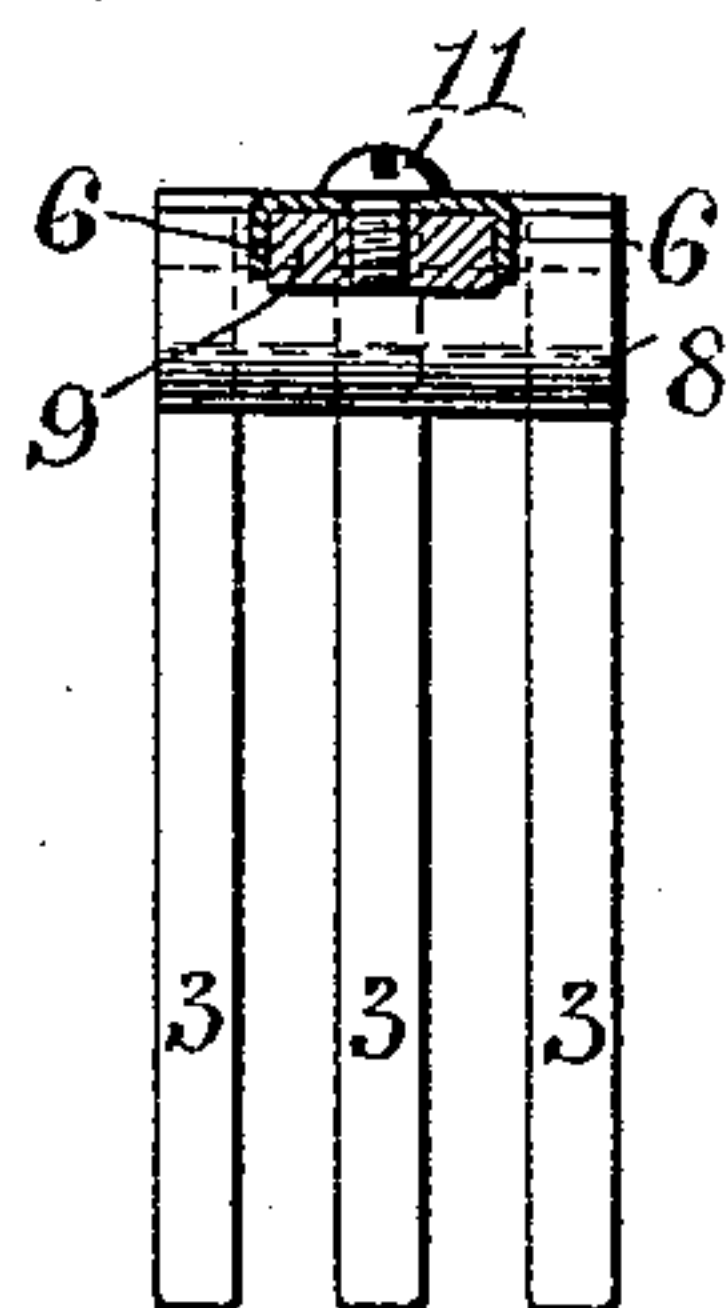


Fig. 2.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

LEWIS LEVENSON, OF NATICK, RHODE ISLAND.

## WEFT-FORK FOR LOOMS.

SPECIFICATION forming part of Letters Patent No. 453,412, dated June 2, 1891.

Application filed December 17, 1890. Serial No. 375,014. (No model.)

*To all whom it may concern:*

Be it known that I, LEWIS LEVENSON, of Natick, in the county of Kent and State of Rhode Island, have invented a new and useful Improvement in Weft-Forks for Looms; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification.

This invention has reference to an improvement in detector weft-forks for looms; and it consists in the peculiar and novel construction by which the fork proper can be adjusted and a broken fork replaced without disturbing the pivoted support of the weft-fork, as will be more fully set forth hereinafter.

Figure 1 is a perspective view of my improved weft-fork; and Fig. 2 is a sectional view of the same through the arm and the screw by which the fork is secured to the pivoted bearing.

In the drawings, the numbers 3 indicate the tines of the weft-fork.

4 is the shank.

5 is the hook at the end of the shank.

6 6 are two projecting guide-strips bent downward on each side of the slot 7.

The fork, with its shank, is preferably stamped from a sheet of suitable metal and is bent up, as shown in Fig. 1, preferably in suitable dies, so as to secure the desired resilience in the fork, and particularly in the tines. The fork may, however, be made in any other manner desired if it is constructed so as to be secured to and adjusted on the pivoted support or base. The support or base consists in the transverse bed 8, from which the arm 9 projects. The transverse bed 8 is shown provided with the hole 10, through which the bearing-pin is inserted to form the

pivotal support for the bed. With my improved fork the bed is permanently secured in its bearings on the loom and is never removed. Into the arm 9 a hole is bored and tapped to receive the screw 11, which extends through the slot 7, the head of the screw 11 bearing on the shank of the weft-fork. The bent-down guide-strips 6 bear on the two sides of the arm 9 and firmly hold the fork in the adjusted position. By this construction the fork can be accurately adjusted on the support or bed with reference to the weft and the co-operating parts, and when the fork is bent, broken, or injured it can be quickly removed from the bed or support by taking out the screw 11 and a new fork secured without removing the pivoted bed.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A weft-fork consisting of the tines and the shank, the latter provided with a slot, and a pivoted bed to which the shank is secured, as described.

2. In combination with the pivoted bed, the weft-fork consisting of the tines 3 and the shank 4, having the slot 7 and the screw 11 arranged to secure the weft-fork to the pivoted bed, as described.

3. The combination, with the transverse bed 8 and the arm 9, of a weft-fork provided with the slot 7, the guide-strips 6 6, and the screw 11, adapted to secure the fork to the bed or support, as described.

LEWIS LEVENSON.

Witnesses:

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J. A. MILLER, Jr.