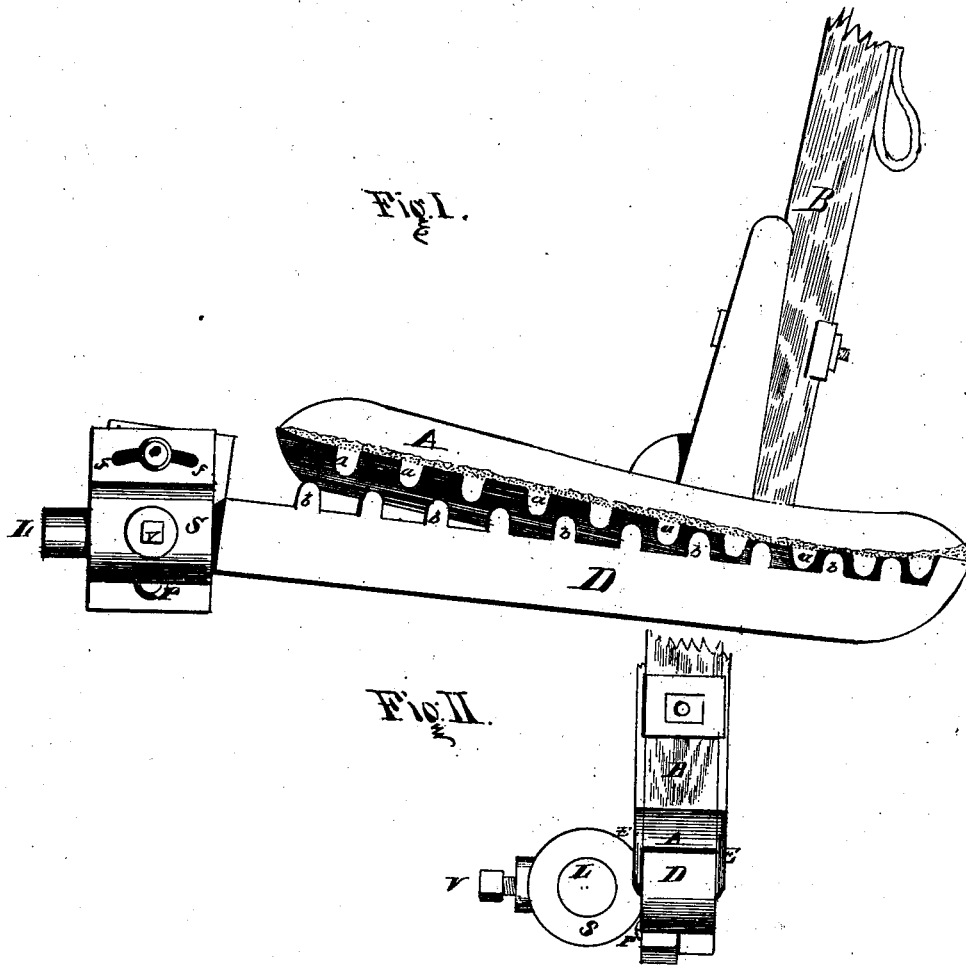


H A. WHITTEN & E. D. GOVE.  
LOOM PICKING MOTION.

No. 111,595.

Patented Feb. 7, 1871.



Inventors

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Witnesses

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# United States Patent Office.

HENRY A. WHITTEN AND ELIJAH D. GOVE, OF HOLYOKE, MASSACHUSETTS

Letters Patent No. 111,595, dated February 7, 1871.

## IMPROVEMENT IN LOOM-PICKING MOTIONS.

The Schedule referred to in these Letters Patent and making part of the same.

We, HENRY A. WHITTEN and ELIJAH D. GOVE, both of Holyoke, Hampden county, Commonwealth of Massachusetts, have invented certain Improvements in Picker-Motions for Looms, of which the following is a specification.

### *Nature and Objects of the Invention.*

Our invention relates to that class of picker-motion in which the movement of the picker-stick is derived from a rocker, to which it is attached at one end, the rocker being provided with teeth to mesh with a ratchet, upon which it oscillates.

By giving an inclination to the ratchet-piece when the pulling-strap releases the picker-staff its own weight rocks it back.

The rocker has flanges that project on each side over the ratchet-piece, and prevent its being thrown off the ratchet-piece by the motion of the lathe, while the ratchet and teeth to the rocker prevent its having any longitudinal play, and being drawn out of place either by the pulling-strap in one direction or by the weight of the picker-stick in the other.

Our invention consists in making the ratchet-piece adjustable by bolting one end to the flanges of a collar, so that it is hinged on one bolt, while, by means of a set-screw playing in a slot, the ratchet-piece can be lowered to any degree and secured. The collar passes over a stud attached directly to the lathe, and is clamped by a screw.

### *Description of Accompanying Drawing.*

Figure I is a side view of our invention, having one flange removed to show the gearing.

Figure II is an end view.

### *General Description.*

A is the rocker, having the picker-stick B attached to it at one side of the center, and having the flanges E E and teeth *a a*, &c., which mesh with the teeth *b b*, &c., on the ratchet-piece D;

L is the stud, attached to the lathe, and upon which the collar S is clamped by the screw V;

P is the bolt which hinges the ratchet-piece to the collar; and

O is the set-screw working in the slot *f*, and for the purpose of regulating the inclination desired to be given to the ratchet-piece D.

The rocker is made adjustable so that the degree of its inclination from the horizontal can be varied to cause the picker-staff to rock more or less fast to suit the requirements of the class of work upon the loom.

### *Claim.*

What we claim is—

The rocker, in combination with the bed and device for adjusting the same, the parts of which are constructed and arranged substantially in the manner and for the purpose shown and described.

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Witnesses:

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