S. E. AVERY.

PICKERS FOR LOOMS.

No. 184,569. Patented Nov. 21, 1876.

Fig 1.

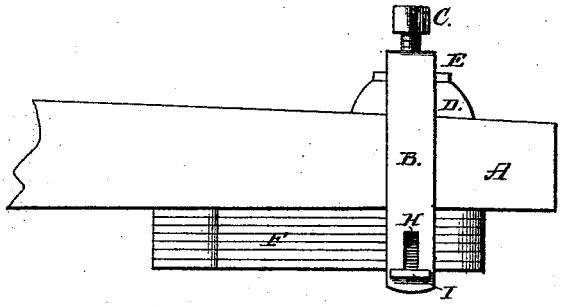
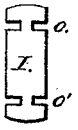


Fig. 2.

Fig. 3.



Attest:

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UNITED STATES PATENT OFFICE.

SYLVANUS E. AVERY, OF AUGUSTA, MAINE.

IMPROVEMENT IN PICKERS FOR LOOMS.

Specification forming part of Letters Patent No. **184,569**, dated November 21, 1876; application filed May 18, 1876.

To all whom it may concern:

Be it known that I, SYLVANUS E. AVERY, of Augusta, in the county of Kennebec and State of Maine, have invented a new and useful Improvement in Pickers for Looms, which improvement is fully set forth in the following specification, reference being had to the accompanying drawing.

The object of my invention is to construct a picker that will not work loose, that will not wear the picker-stick, and one that can be easily adjusted.

In Figure 1, which is a view of the picker as adjusted and ready for work, A is the upper end of the picker-stick. B is a clasp, the construction of which is shown in Fig. 2, B′. D is a piece of hard rubber or other elastic substance. E is a piece of metal, against which the thumb or set screw C presses. H is a long narrow hole cut in the clasp B, through which the pin I (the construction of which is shown in Fig. 3, I′) is put.

To adjust the picker, the pin I and the rubber D are removed from the clasp. The clasp is then placed in position, as shown in Fig. 1, being slipped over far enough to allow the pin I to go through the hole H. The pin I is then put through the hole, and turned until in the position shown in Fig. 1, the sides of the clasp B fitting into the cuts *o* and *o′*, Fig. 3. The clasp is then drawn back, and it is then impossible for the pin I to work out. The rubber D is then placed in position, as indicated in Fig. 1, with the piece of metal E between it and the screw. The screw C is then set up against it. This holds the leather or other material, F, firmly in place. When the shuttle strikes at F it of course tends to compress the leather, and if there were nothing to take up the slack, the clasp would soon work loose; but the rubber D expands and takes up the slack, and thus keeps the clasp tight at all times. The rubber also prevents any wear of the picker-stick, which always takes place where the metal comes in contact with the wood. In my invention no metal comes in contact with the sides of the picker-stick where there is any wear, and thus the picker-stick is made to last for a long time.

The clasp B B′, being open at the end, is much more easily adjusted than a whole one, as it may be slipped on the stick sidewise, instead of being put over top, as would be the case if whole.

I claim as my invention—

The combination of the picker-stick A, the picker F, the clasp B, the elastic substance or rubber D, the metallic piece E, the screw C, and the pin I, substantially as described, and for the purposes set forth.

SYLVANUS E. AVERY.

Witnesses:

DANL. C. ROBINSON,

W. S. CHOATE.