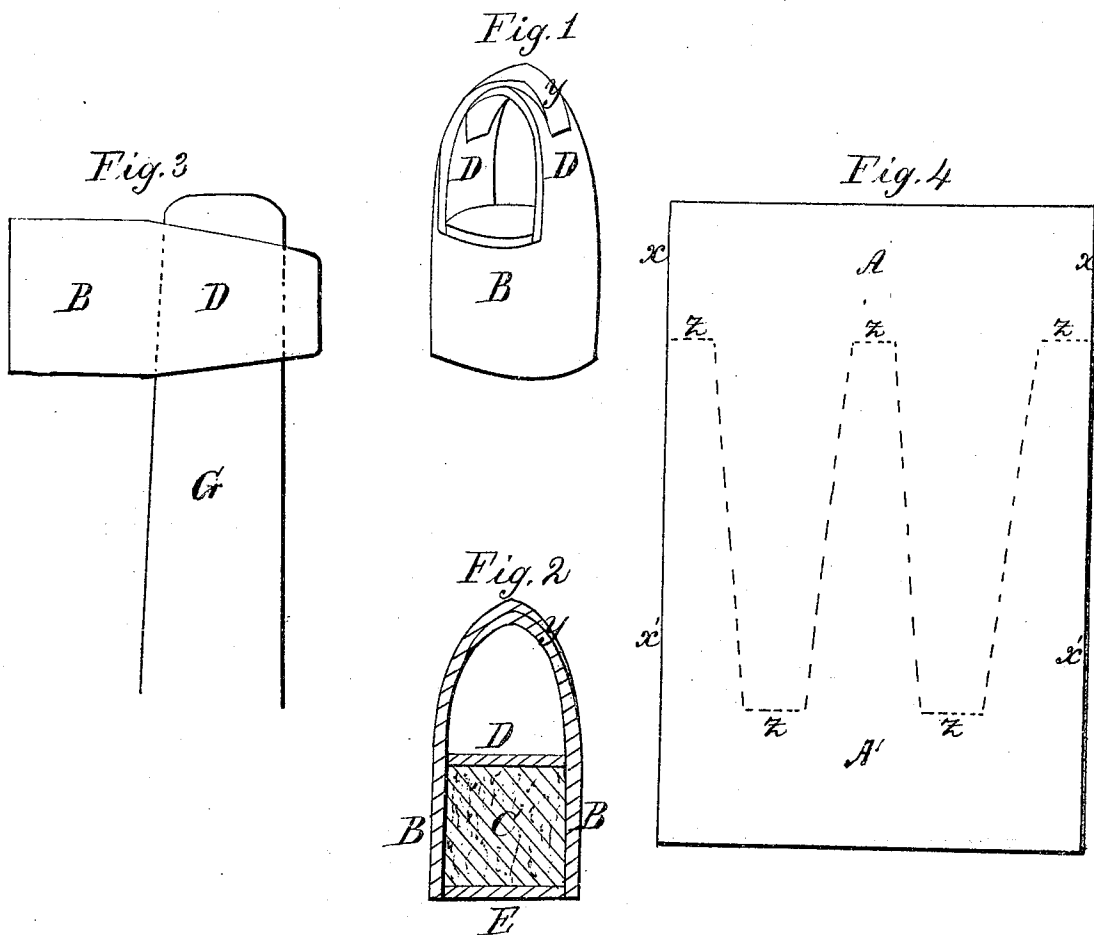


Hunt & Stockwell. Picker for Loom.

N^o: 10,734.

Patented July 12, 1870.



Witnesses

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UNITED STATES PATENT OFFICE.

JOSHUA HUNT AND ALBERT STOCKWELL, OF PROVIDENCE, RHODE ISLAND.

IMPROVEMENT IN PICKERS FOR LOOMS.

Specification forming part of Letters Patent No. 101,731, dated April 12, 1870.

To all whom it may concern:

Be it known that we, JOSHUA HUNT and ALBERT STOCKWELL, both of Providence, Rhode Island, have invented a new and Improved Picker-Head and Collar, of which the following is a specification.

Figure I, a general view of the picker-head; Fig. II, a section of the head, cut directly through. Fig. III shows the attachment of the head to the stick. Fig. IV shows the manner of cutting the leather.

We are aware that there have been several inventions for picker-heads used in looms for the purpose of driving the shuttle back and forth; but the one now most extensively in use is similar to those made years ago, and is usually of rawhide, though sometimes of belt-leather. The collar which holds the head to the stick is made separate, and is adjusted about a shoulder in the head.

Our invention consists of a piece of sole or belt leather cut into the proper shape, as shown in Fig. 4, and marked A and A', with the edges brought together and joined at x or x' with cement or other adhesive material, and the two tongues ZZ joined together in a similar manner, as shown at y . The lower part of the piece of leather forms the thimble B of the picker-head, and into this we press a cork, C, which, first having been subjected to the action of steam, becomes elastic and easily compressed, so that a cork, dry, much larger than the thimble, is in this state easily pressed into it, and again drying and expanding fills entirely the thimble and presses tightly against the sides of the same.

In place of the cork, we have used cloth made into wads and pressed into the thimble. Other elastic substances have been used as a filling, but cork or cloth is preferred. Leather may be used.

Just within the outside covering forming the thimble of the picker-head, and over the cork, we place a piece of leather, E, which is firmly cemented into the cavity, and forms a durable substance, against which the shuttle may strike, and this, with the cork beneath, acts as a cushion both in repelling the blow from the shuttle, and, when in turn the picker-head is driven against the shuttle, prevents the dead blow now given by the picker-head in common use.

By cementing firmly together the two tongues ZZ, we form the collar D, and we find that the union of the collar with the head is much more firmly and surely held in position upon the stick G in Fig. 3.

As shown in Fig. 4, a piece of leather about four inches square makes two coverings or forms by joining the parts at different places.

We claim as our invention—

The picker, constructed from one piece of leather, with the collar D and thimble B, with the cork filling C and its covering E, as described, and for the purposes set forth.

JOSHUA HUNT.
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Witnesses:

J. ERASTUS LESTER,
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