

(No Model.)

J. P. THOMPSON.
LOOM PICKER.

No. 450,851.

Patented Apr. 21, 1891.

Fig. 1.

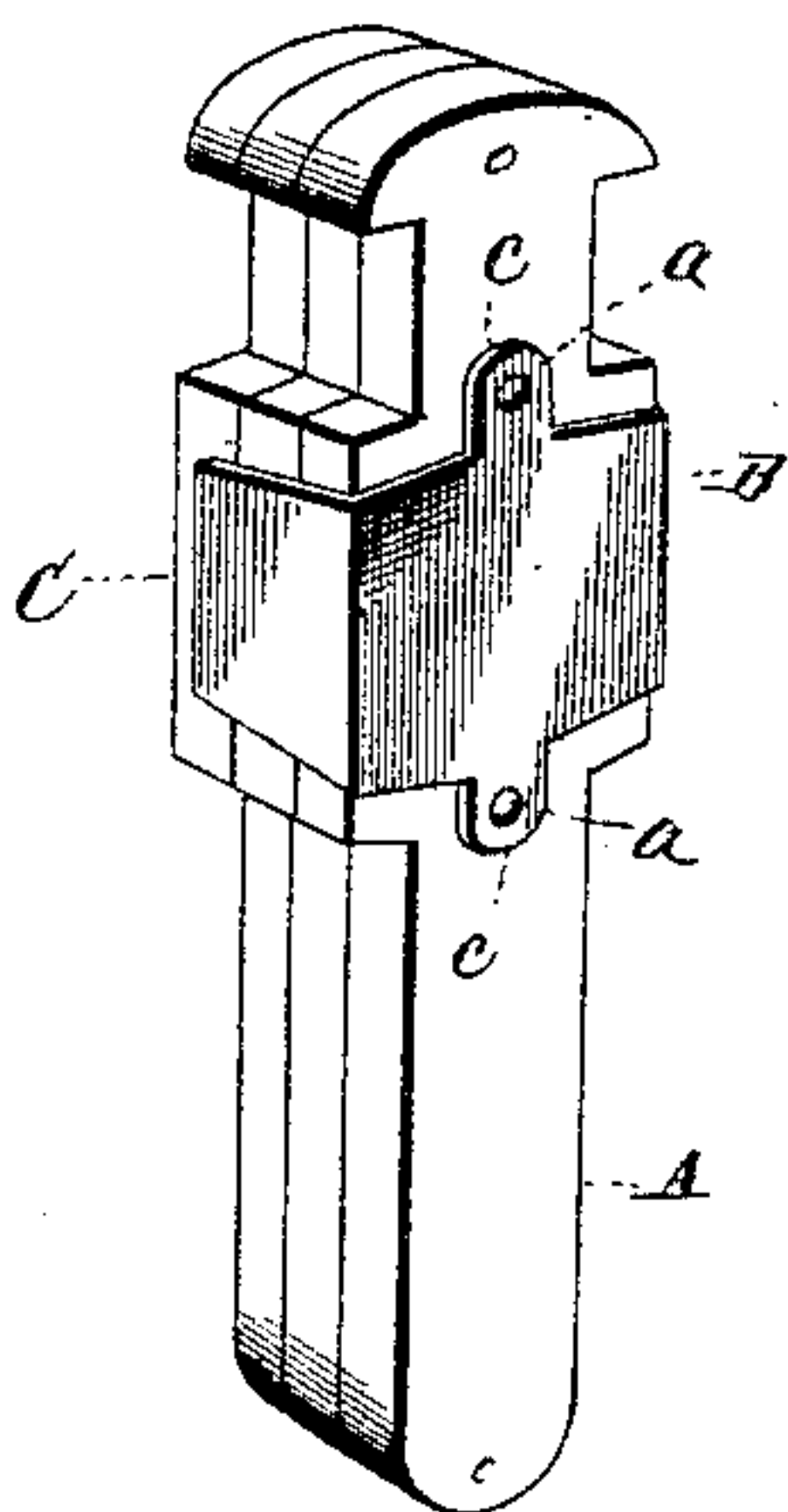


Fig. 2.

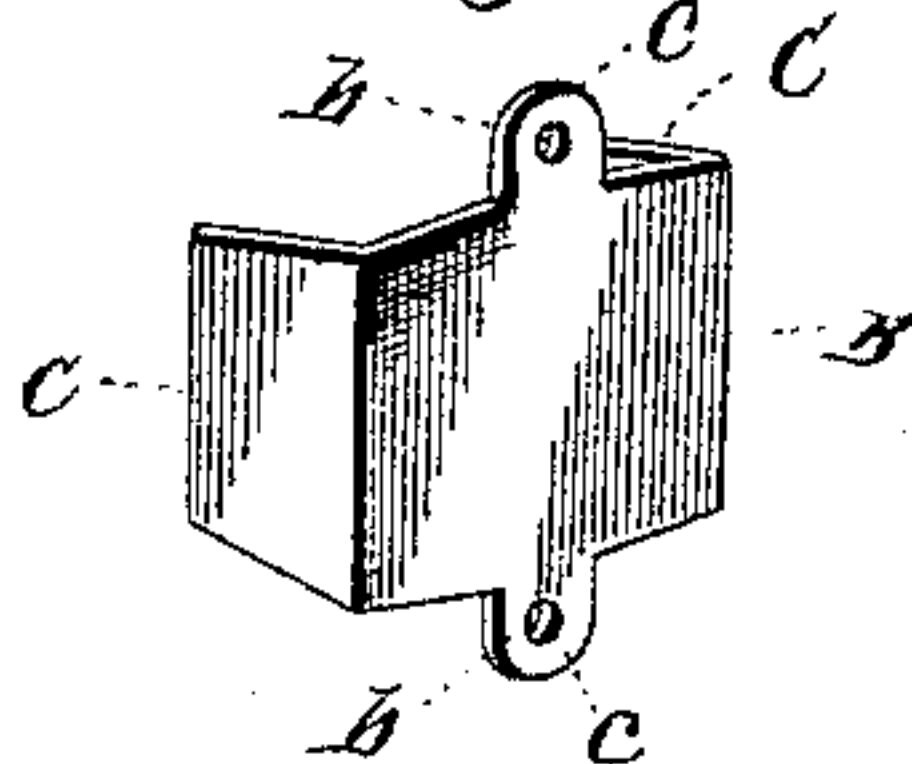
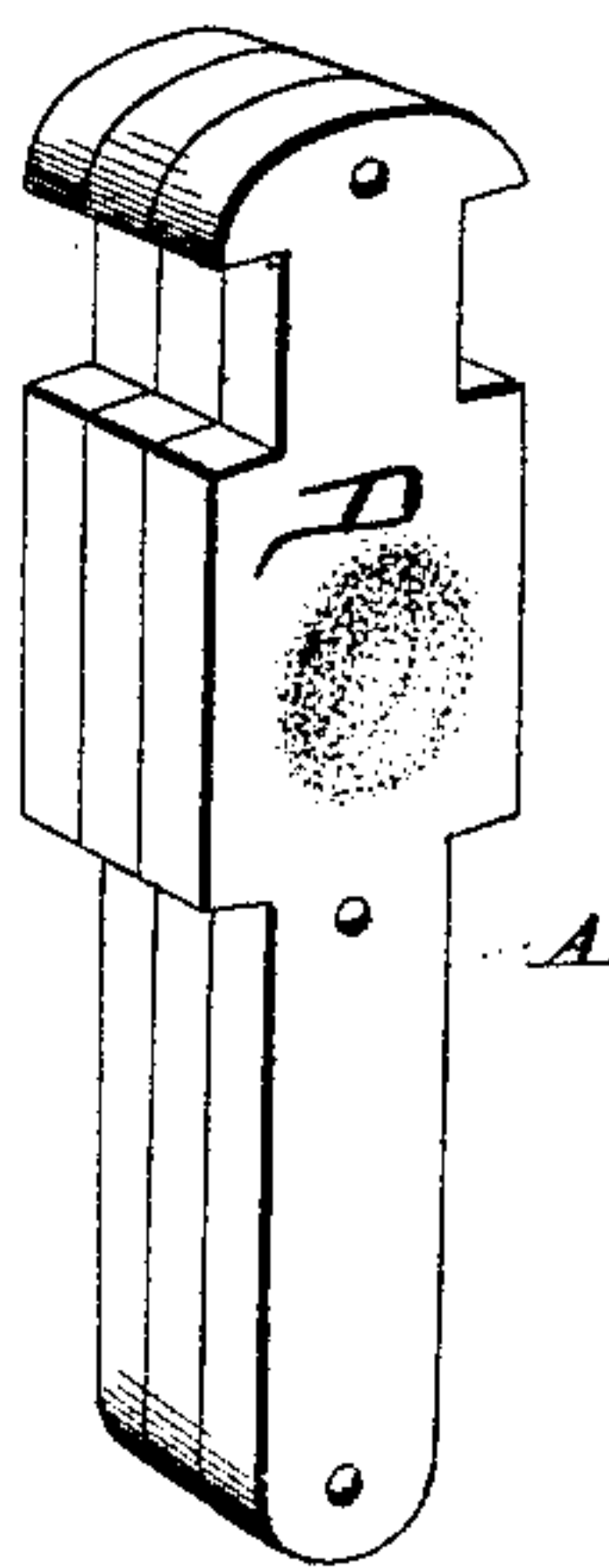


Fig. 3.



WITNESSES

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JOHN P. THOMPSON, OF OLNEYVILLE, RHODE ISLAND.

LOOM-PICKER.

SPECIFICATION forming part of Letters Patent No. 450,851, dated April 21, 1891.

Application filed August 26, 1890. Serial No. 363,128. (No model.)

To all whom it may concern:

Be it known that I, JOHN P. THOMPSON, a citizen of the United States, and a resident of Olneyville, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Loom-Pickers; and I do 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 appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation of a picker provided with the support or clamp. Fig. 2 is a detail of the support or clamp, and Fig. 3 is a view showing one of the old style of picker after a short use.

My invention relates to improvements in loom-pickers.

It has been found in practice that the continual striking of the shuttle-tip against the face of the picker-body soon wears a hole in said picker, also spreading it out wider than the space intended for it in the shuttle-box, causing it to chafe against the box and necessitating the paring of the picker-body with a knife. This continued chafing and paring soon wear out the picker-body and destroy it, necessitating its replacement; and the object of this invention is to provide a spring-metal support or clamp, or its equivalent, which will bear against the sides of the picker-body and prevent its spreading, also presenting an elastic surface for the shuttle-tip to strike against, breaking the shock of the contact and preventing the shuttle-tip from wearing a hole in the picker-body.

I am aware that it is not new to provide metal supports for picker-bodies having an opening at the top to allow of the admission of pieces of leather or its equivalent, and provide such supports with an opening in the surface to receive the point of the shuttle-tip; but it has been found that to confine leather or its equivalent inside of a solid support or socket the continuous striking of the shuttle-tip against the picker-body will pack the leather or its equivalent so hard within

the support as in a short time to destroy all the elasticity of the leather and render the picker useless. It has also been found that to provide an opening in the center of the material comprising the body of the picker to receive the shuttle-tip is not satisfactory, for the reason that the said tip does not necessarily always strike at the same point on the picker-body, and therefore, by placing this opening in a fixed position, the tendency is to throw the shuttle out of its line and give it a zigzag course across the loom. These above-named difficulties will be to a great extent, if not entirely, obviated by this invention.

To the accomplishment of this object the invention consists in the construction hereinafter disclosed.

In the accompanying drawings, A represents an ordinary leather picker-body provided with my spring clamp or support, said support consisting, preferably, of the spring-metal plate B, although the said clamp or support may be formed of other suitable material, such as rubber, &c. This plate B is secured to the striking-face D of the picker-body by means of the rivets or pins *a a*, secured in the rivet-holes *b b* in the small lugs or ears *c c*, formed at each side of the plate, or it may be secured in any other well-known manner. The plate B is provided with the arms C, which are turned over and clamped against the sides of the picker, as shown, thus preventing the picker-body from spreading under the repeated blows of the shuttle-tip. The spring character of the metal plate B or its equivalent will break the force of the blows of the shuttle-tip and form an elastic surface to receive said blows, thus preserving the elasticity of the material composing the picker and preventing damage to both picker and shuttle. This spring-metal support or its equivalent of other elastic material may be applied to all forms of pickers.

Having thus described the invention, what I claim as new therein, and that which I desire to secure by Letters Patent, is—

1. The combination, with a loom picker-body, of the herein-described spring support or clamp, consisting of one continuous spring-

plate provided with arms or jaws to form a support for the material composing the picker-body, and means for securing the spring-support to the picker-body, substantially as described.

5 2. The combination, with a loom picker-body, of the herein-described spring-metal support or clamp or its equivalent, said support or clamp consisting of the elastic plate
10 B, provided with the lugs *c c*, having the

rivet-holes *b b*, and the arms *C*, engaging the sides of the picker-body, substantially as and for the purpose described.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN P. THOMPSON.

Witnesses:

DANIEL H. REMINGTON,
MARTIN MANN.