

J. BRENNAND & T. HAMPSON.
Loom-Picker.

No. 196,134.

Patented Oct. 16, 1877.

Fig. 1.

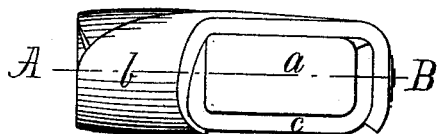


Fig. 2.

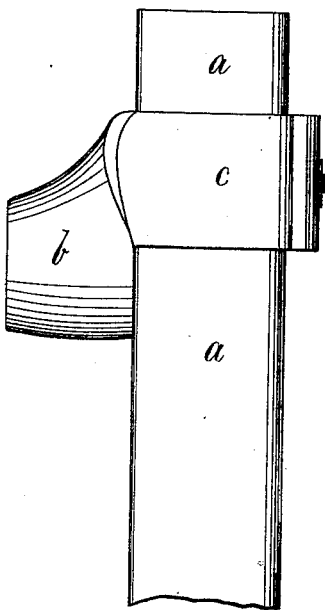


Fig. 3.

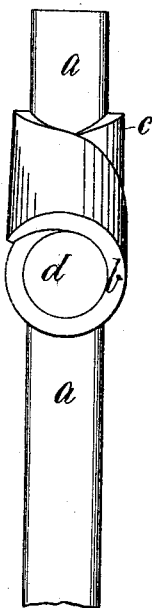
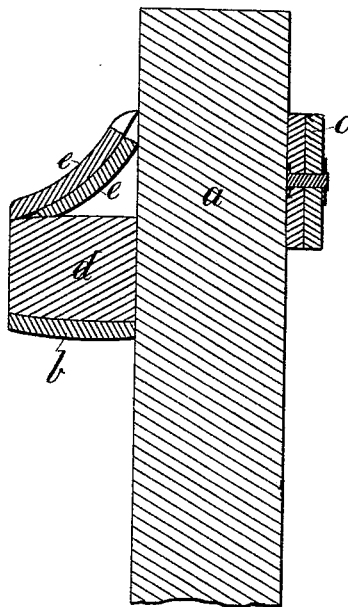


Fig. 4.



Witnesses:

Henry Chadbourne.
H. Allen

Inventors:

James Brennand
and
Thomas Hampson
by Alban Andrieu.
their attys.

UNITED STATES PATENT OFFICE.

JAMES BRENNAND, OF HYDE PARK, MASSACHUSETTS, AND THOMAS HAMPSON, OF WIGAN, GREAT BRITAIN, ASSIGNORS OF ONE-THIRD THEIR RIGHT TO JOHN D. SHERMAN, OF HYDE PARK, MASS.

IMPROVEMENT IN LOOM-PICKERS.

Specification forming part of Letters Patent No. **196,134**, dated October 16, 1877; application filed March 29, 1877.

To all whom it may concern:

Be it known that we, JAMES BRENNAND, of Hyde Park, in the county of Norfolk and State of Massachusetts, and THOMAS HAMPSON, of Wigan, in the county of Lancashire and Kingdom of Great Britain, have jointly invented certain new and useful Improvements in Loom-Pickers; and we do hereby declare that the following is a full, clear, and exact description thereof, which 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.

Our invention relates to improvements in loom-pickers; and consists of a strap or band of leather, rawhide, rubber, or suitable material, that is looped in front of the picker-stick, in which loop is inclosed the core or plug, made of leather or other suitable material, the rear of which rests firmly against the front of the picker-stick.

The aforesaid band of leather, &c., after encircling the core, passes around the picker-stick, and the ends are united together by means of riveting, sewing, cementing, or in any other suitable manner.

It will thus be seen that our invention consists of a core or plug, in combination with a band or strap twisted somewhat in the shape of the figure ∞ , and forming two loops, one vertical, for the reception of the core or plug by which the shuttle is impelled, and one horizontal, in which the picker-stick is inserted. It is more durable than the ordinary pickers, as each continued blow on the shuttle tends to expand the core or plug, and in this manner the looped strap or band is made to bind firmer both on the core and the picker-stick, and thus prevent the picker from becoming loose on the stick. Being so firmly kept in its place on the picker-stick, it tends to propel the shuttle in a direct line, and prevents the shuttle from rising in the shuttle-box. It also produces a saving in shuttles, pickers, picker-sticks, and power.

On the accompanying drawing, Figure 1 represents a plan view of our invention. Fig.

2 represents a side elevation. Fig. 3 represents a front view, and Fig. 4 represents a longitudinal section on the line A B shown in Fig. 1.

Similar letters refer to similar parts wherever they occur on the different parts of the drawings.

a represents the ordinary picker-stick, and *b c* represent the picker-strap, that is composed of one continuous strap or band, forming the vertical loop *b* in front of the picker-stick, in which loop the core or plug *d* is inserted, as shown, and also forming the horizontal loop *c*, in which the picker-stick *a* is inserted, as shown. The ends of the band or strap *b c* are united together at some convenient place, preferably at the rear and by rivets, as shown, but the particular location of such joint and the particular manner of uniting said ends are not necessarily exactly like the drawing, as the joint may be differently located, and made by sewing, cementing, or otherwise, without departing from the spirit of our invention. The rear of the vertical loop *b*, as well as the rear of the plug or core *d*, has a firm and substantial rest or bearing against the front of the picker-stick, as shown in Fig. 4. At the junction of the horizontal and vertical loops of the pickers the strap is doubled, as shown at *e e* in Fig. 4, by which great strength and durability are obtained.

Having thus described the nature and construction of our invention, we wish to secure by Letters Patent and claim—

The herein-described picker, consisting of the core or plug *d*, in combination with the band or strap *b c*, twisted as described, whereby the picker is provided with vertical and horizontal loops, as and for the purpose specified.

In testimony that we claim the foregoing as our own and joint invention we have affixed our signatures in presence of two witnesses.

JAMES BRENNAND. [L. S.]
THOMAS HAMPSON. [L. S.]

Witnesses:

C. F. BARKER,
JOHN D. SHERMAN.