

H. McMANUS.
LOOM-PICKER.

No. 170,580.

Patented Nov. 30, 1875.

Fig. 5.

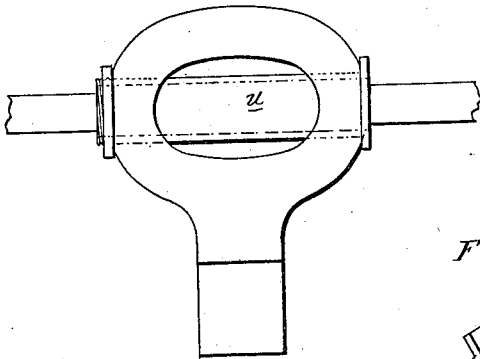


Fig. 6.

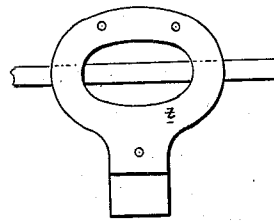


Fig. 7.

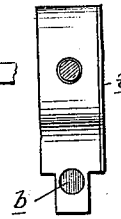


Fig. 4.

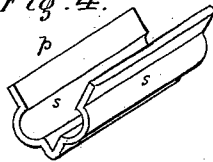


Fig. 1.

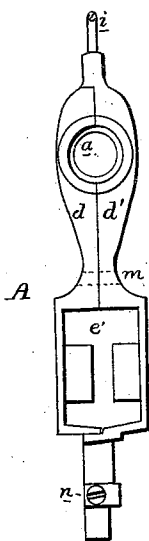


Fig. 2.

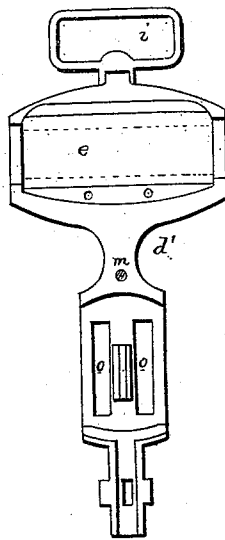
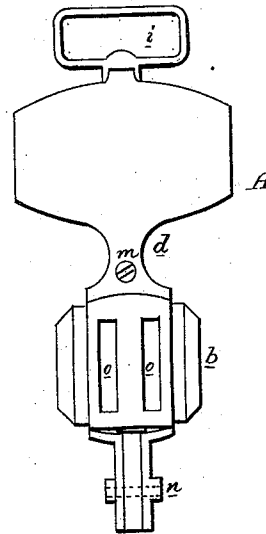


Fig. 3.



Witnesses:-

J. L. Shidmore
W. Chaffee

H. McManus
By his attys
Horton & Son

UNITED STATES PATENT OFFICE

HENRY McMANUS, OF NEW YORK, N. Y., ASSIGNOR TO HIMSELF AND C. E. L. HOLMES, OF SAME PLACE.

IMPROVEMENT IN LOOM-PICKERS.

Specification forming part of Letters Patent No. **170,580**, dated November 30, 1875; application filed May 15, 1875.

To all whom it may concern:

Be it known that I, HENRY McMANUS, of the city, county, and State of New York, have invented an Improved Loom-Picker, of which the following is a specification:

The object of my invention is a loom-picker formed in sections, so as to be readily applied to and removed from the rod, and adapted to receive peculiar beating-pads and bearings, as fully described hereafter.

In the accompanying drawing, Figure 1 is an edge elevation, showing one form of picker-shell; Fig. 2, a view showing the inner face of one of the sections of the picker-shell; Fig. 3, an exterior side view; Fig. 4, a detached view, showing one form of bearing; and Figs. 5, 6, and 7, modifications.

The picker consists of an outer metallic shell, *A*, containing a bearing, *a*, and a beating-block, *b*. The shell may be of any suitable form, but is made in two sections, *d d'*, each recessed, so as to inclose between them two sockets, *e e'*, the former being nearly cylindrical to receive the bearing, which slides on the usual rod, and the latter being rectangular for the reception of the striking-block, an eye, *i*, at the end of the shell serving for the attachment of the strap. The two sections of the shell are connected, so as to be detachable by screw-pins *m n*. The striking-block consists of a rectangular block of compressed paper, paper-pulp, or paper composition, and is secured in its position by being clamped, while soft, between the sections of the shell, each of which has slots *o o*, through which the material protrudes slightly under pressure. The bearing is hollow, and may consist of a short molded tube of papier-maché or paper composition, or may be in two semi-tubular pieces fitted together and confined in the socket in the shell. A convenient mode of manufacture consists in folding a sheet, *p*, of paper, Fig. 4, and bending or molding each side to form the bearing portions

s, which clamp the rod. A paper or paper-pulp bearing, on account of its durability, is desirable, and it may, in many instances, be employed without lubricating material, or may be boiled or soaked in oil or other suitable lubricants before being applied. By making the shell in sections the pick may be applied to the rod or spindle without removing the latter.

By employing paper or condensed pulp for the bearing the necessity of covering the rod with paper may be avoided. While it is preferable to make the shell in sections, it may consist of a metallic case of the form shown in Figs. 6 and 7; one side, *t*, being detachable for the introduction of a pulp filling, which constitutes both the bearing and the beating-block *b*.

In some cases, especially in looms already in use, the paper bearing *a* may be inserted in a tube, *u*, secured in any suitable manner to the usual rawhide picker, Fig. 5, a much more extended and durable bearing for the picker being thus obtained.

I claim—

1. The beating-block for pickers formed of paper or paper composition, as set forth.
2. The paper beating-block *b*, detachable from the shell, as set forth.
3. The shell consisting of sections *d d'*, inclosing sockets *e e'*, as described.
4. A bearing-block consisting of paper or papier-maché, adapted to the case or shell of a picker, as specified.
5. A picker in which the bearing or beating block, or both, consist of paper or paper composition, as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HENRY McMANUS.

Witnesses:

E. D. BISHOP,
JOHN J. STICKNEY.