

(No Model.)

E. H. DOE.
Means for Securing Pickers to the Picker Sticks
of Looms.

No. 240,897.

Patented May 3, 1881.

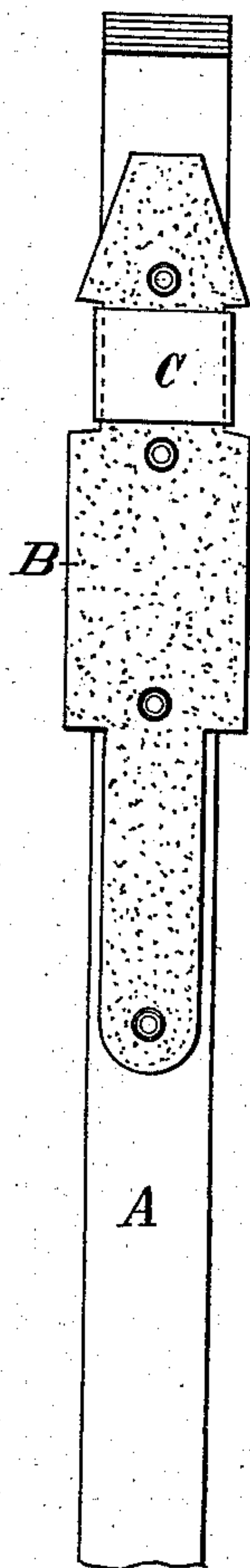


Fig. 1.

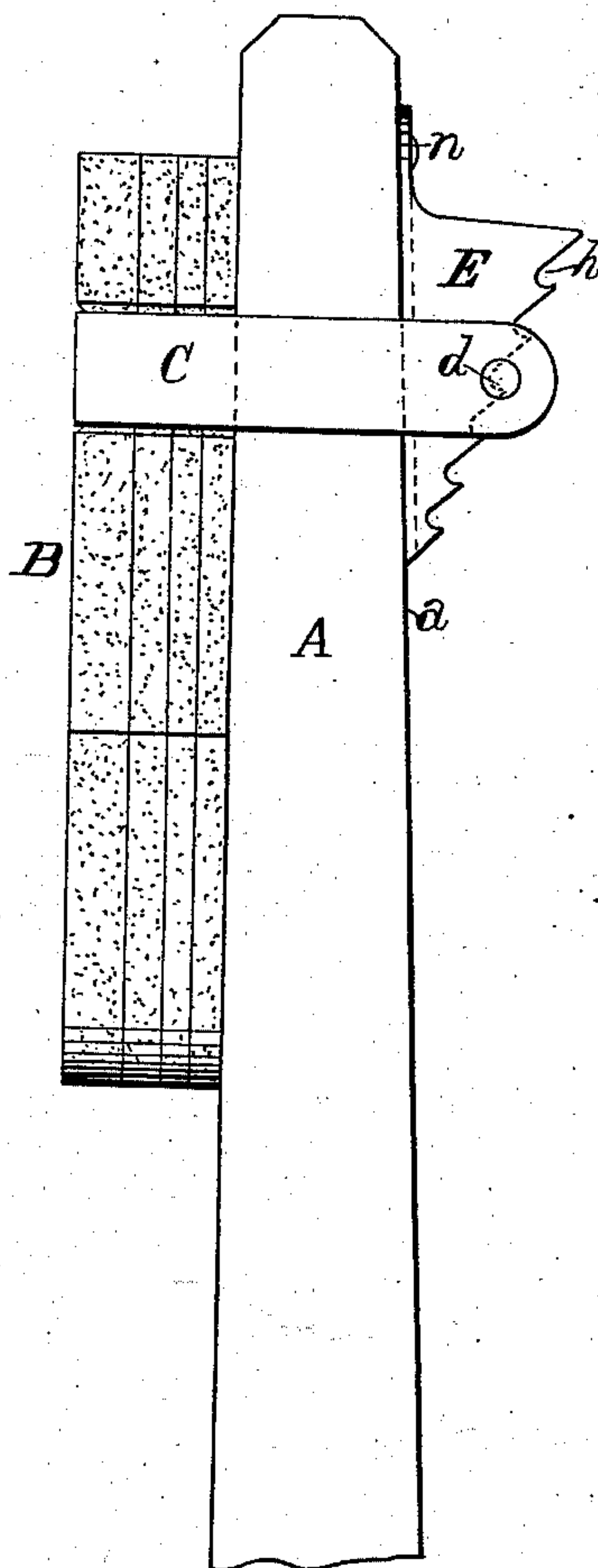


Fig. 2.

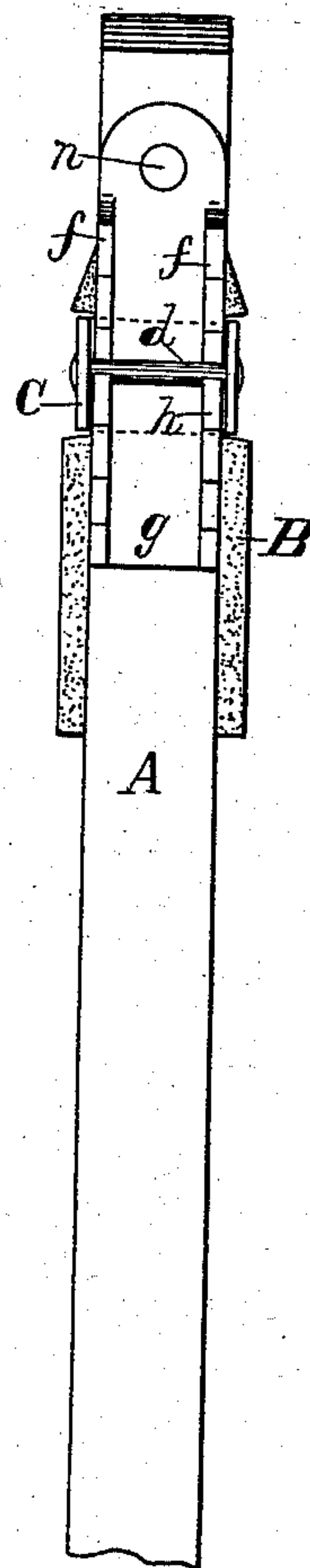


Fig. 3.

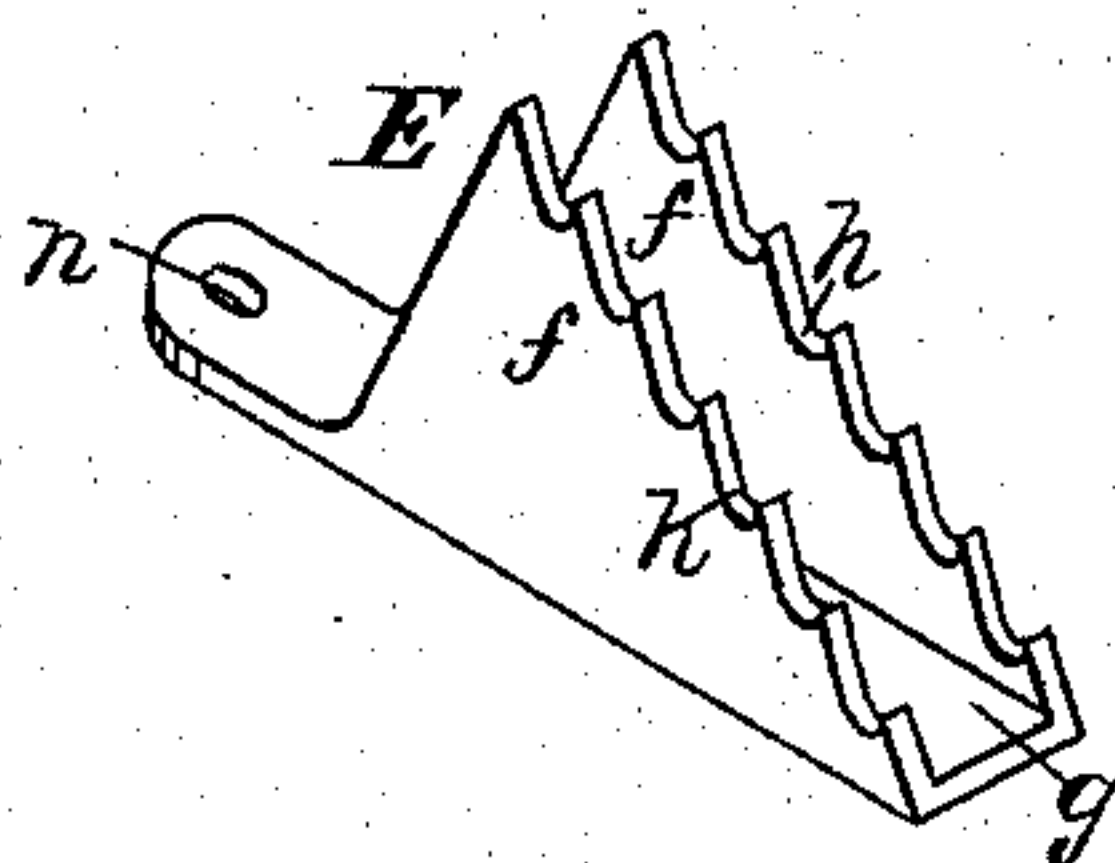


Fig. 4.

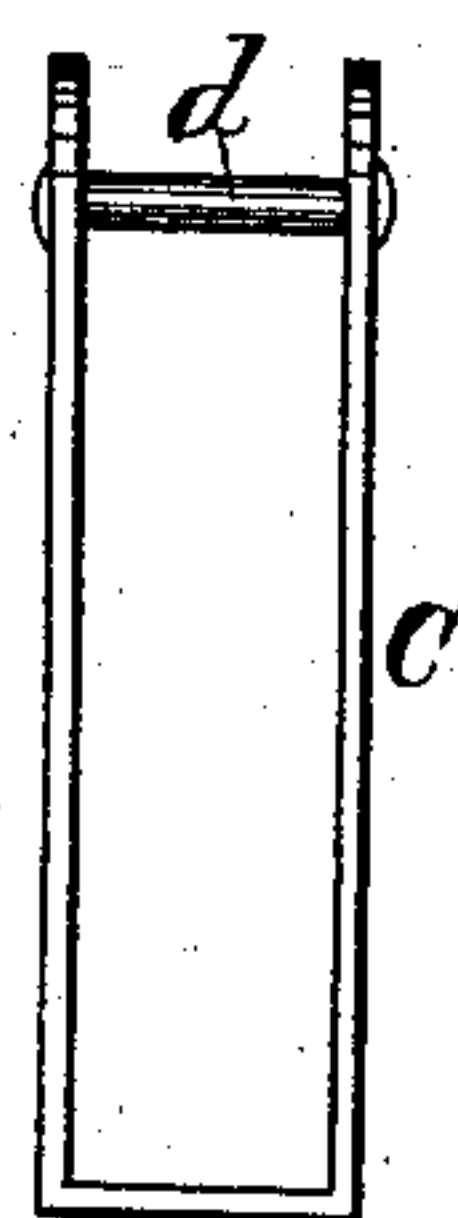


Fig. 5.

Witnesses:

Geo. A. Boyden.
A. C. Eader

Inventor:

Edmund H. Doe
By His Atty
Chas B. Mann

UNITED STATES PATENT OFFICE.

EDMUND H. DOE, OF AUGUSTA, MAINE.

MEANS FOR SECURING PICKERS TO THE PICKER-STICKS OF LOOMS.

SPECIFICATION forming part of Letters Patent No. 240,897, dated May 3, 1881.

Application filed November 13, 1880. (No model.)

To all whom it may concern:

Be it known that I, EDMUND H. DOE, a citizen of the United States, residing at Augusta, in the county of Kennebec and State of Maine, have invented certain new and useful Improvements in Means for Securing Pickers to the Picker-Sticks of Looms; and I do hereby 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 or figures of reference marked thereon, which form a part of this specification.

My invention relates to a device for securing and adjusting a picker upon the picker-stick of a loom; and it consists in combining a wedge having notches for the engagement of a loop-binder with a picker, a picker-stick, and a loop-binder, to hold the picker, as herein described and claimed.

In the accompanying drawings, Figure 1 is a view of the front or striking side of the picker. Fig. 2 is a side view of the upper end of a picker-stick, showing my invention applied thereto. Fig. 3 is a view of the rear side of the stick. Fig. 4 is a perspective view of the wedge, and Fig. 5 is a view of the binder or clasp.

The letter A designates the upper end of the picker-stick, one side of which I bevel or taper off gradually, as shown at *a*, Fig. 2.

B is the picker, against which the shuttle strikes. It is made of leather or other suitable material, and is designed to rest against the side of the stick opposite that which is beveled or tapered.

C is the binder or clasp which confines the picker to its position on the stick. It consists of a metallic loop-band, bent somewhat U shape, as seen in Fig. 5, and having its ends connected by a pin, *d*. This loop-binder passes around the stick and picker when the latter is in position.

The wedge E consists, preferably, of two independent side walls, *f f*, connected by a plate, *g*, which rests against the picker-stick, and the sloping edge of each wall is provided with notches *h*, similar to saw-teeth.

It will be seen that when the picker is placed against the straight side of the stick, with the wedge E on the tapered or beveled side opposite, the pin *d* of the binder extends across the two walls of the wedge and engages with a notch in each wall. The adjustment of the pin upon the notched wedge is effected by slipping the picker, wedge, and clasp up to near the end of the stick. Then the picker, clasp, and wedge are forced down on the stick and are tightened by the bevel *a* on the latter. A portion of the projecting plate *g* of the wedge has a hole, *n*, through which a screw may be entered into the stick to secure the wedge from slipping thereon.

My improved notched wedge is adapted for pickers of various thickness, and, used in connection with a picker-stick having one side beveled or tapered, is an efficient device, easily adjusted, and will not work loose. It is not affected by the jar of the machinery, as are devices which employ a set-screw as a means of tightening.

Having described my invention, I claim and desire to secure by Letters Patent of the United States—

The combination of a picker, a picker-stick, and a loop-binder, to confine the picker to the stick, with a wedge having notches with which the loop-binder engages, substantially as shown and described.

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

EDMUND H. DOE.

Witnesses:

C. B. MORTON,
E. S. FOGG.