No. 861,088. PATENTED JULY 23, 1907.

O. H. CHANDLER.

BLIND SLAT TENON.

APPLICATION FILED AUG. 11, 1906.

Fig. 1.

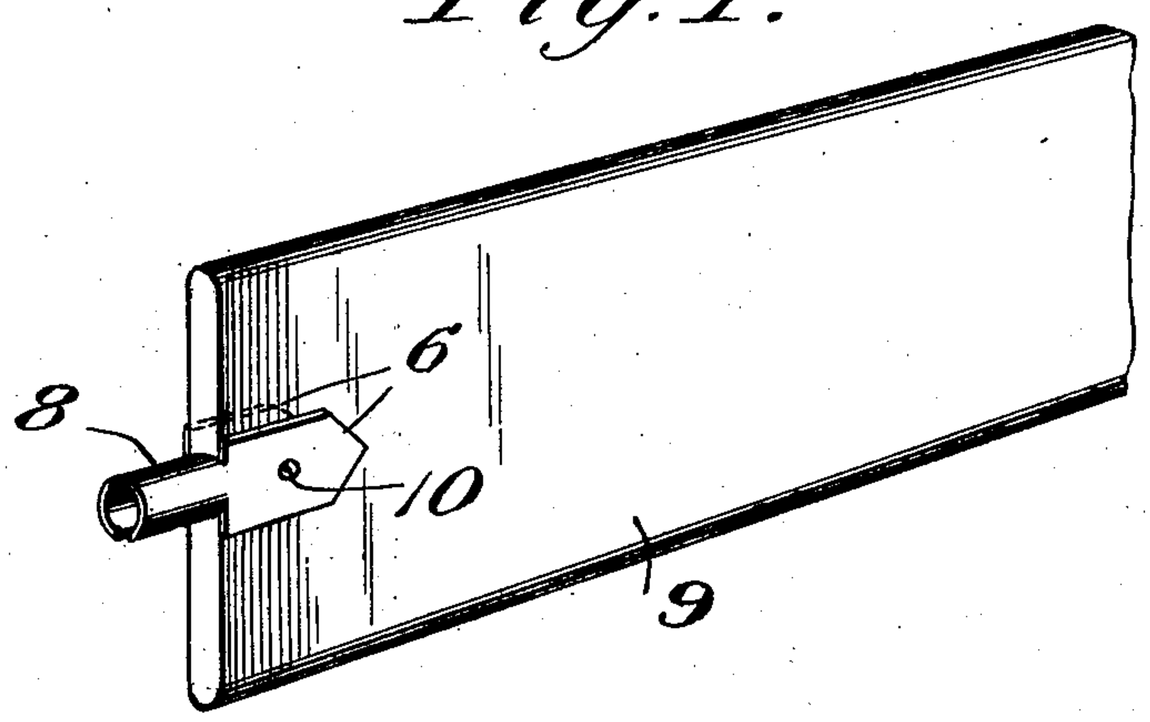


Fig. 2.

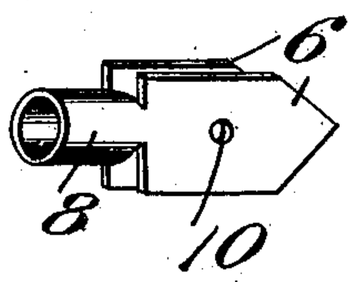
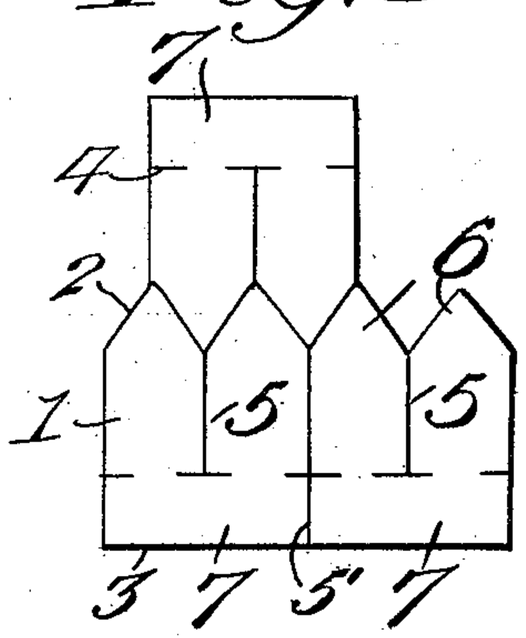


Fig. 3.



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UNITED STATES PATENT OFFICE.

ORVIN H. CHANDLER, OF CLINTON, SOUTH CAROLINA, ASSIGNOR OF ONE-HALF TO JOSEPH A. BAILEY, OF CLINTON, SOUTH CAROLINA.

BLIND-SLAT TENON.

No. 861,088. Specification of Letters Patent. Patented July 23, 1907.

Application filed August 11, 1906. Serial No. 330,182.

To all whom it may concern:

Be it known that I, ORVIN H. CHANDLER, a citizen of the United States, residing at Clinton, in the county of Laurens and State of South Carolina, have invented new and useful Improvements in Blind-Slat Tenons, of which the following is a specification.

This invention relates to tenons for the slats of window blinds; the object of the invention being to provide a metallic tenon of simple and improved construction which may be inexpensively applied to the slats of window blinds for the purpose of pivoting said slats in their frames; not only when originally constructed, but also in cases where the wooden tenons usually formed upon blind slats have become broken, thus enabling such slats to be very easily and efficiently repaired.

Other objects of the invention are to simplify and improve the construction and operation of this class of devices.

With these and other ends in view which will readily appear as the nature of the invention is better understood, the same consists in the improved construction and novel arrangement and combination of parts which will be hereinafter fully described and particularly pointed out in the claims.

In the drawings,—Figure 1 is a view in perspective of one end of a blind slat having one of the improved tenons applied thereto. Fig. 2 is a perspective view showing the improved tenon detached from the slat. Fig. 3 is a plan view of a strip of sheet metal illustrating the method of striking therefrom the blanks for the manufacture of the improved tenons.

Corresponding parts in the several figures are denoted by like characters of reference.

The improved tenon of the present invention is preferably constructed of sheet metal, and the method of forming the blanks for the construction thereof in its preferred form will be understood by reference to Fig. 3 of the drawings where 1 designates a strip of sheet metal of suitable width and thickness which is divided longitudinally by means of a zigzag line 2. The resultant strips 3, 3, are provided with longitudinal slots or incisions 4, 4, which are disposed in registery with the inner angles of the serrated edges of said strips and with transverse incisions 5, 5, which extend from said inner angles to the slot or incisions 4; alternate incisions 5′ being extended to the opposite edges of the strips, thus severing the latter into blanks each including a pair of arrow-shaped leaves 6, 6, which, by bending the strip whereby they are connected may be disposed in parallel relation, as clearly seen in Fig. 2 of the drawings; the connecting strip 7 being bent to form a cylindrical tube, as clearly seen at 8 in Figs. 1 and 2. This tube constitutes the tenon; and it serves to securely connect the leaves 6, 6 which are thereby suitably spaced to fit against opposite sides or faces of a blind slat, as 9, when the latter is introduced therebetween, as will be clearly seen by Fig. 1 of the drawings. The leaves 6 are provided with registering apertures, as 10, for the passage of a fastening member.

Tenons of this improved construction may not only be readily applied to the slats of new blinds, but also to old slats from which the original tenons have become accidentally broken; in using the improved tenons for repairing purposes, the tenons will be first introduced into the sockets or recesses provided for their reception in the blind frame, after which the ends of the slats may be readily introduced and fastened between the leaves thereof.

This improved device, as will be readily seen, is extremely simple in construction, and it may be produced in large quantities, at a trifling expense, by means of very simple special machinery.

What is claimed is:—

The herein described blind slat tenon made from a flat sheet metal blank, said blank having slits at the sides and in the center, and a slit extending at right angles from the central slit to the end of the blank, and the blank bent at one side of the first mentioned slits to form a round, hollow trunnion, and the blank bent at the opposite sides of the last mentioned slit to form flat attaching leaves connected to opposite sides of the trunnion to bear upon the opposite sides of the blind slat with the rear edge of said trunnion bearing against the end of the blind slat, said leaves having registering apertures therein for the fastening device.

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

ORVIN H. CHANDLER.

Witnesses:
R. J. COPELAND, Sr.,
W. B. OWENS.