

(No Model.)

J. WADDELL.
PIVOTED CATCH.

No. 512,996.

Patented Jan. 16, 1894.

Fig. 1.

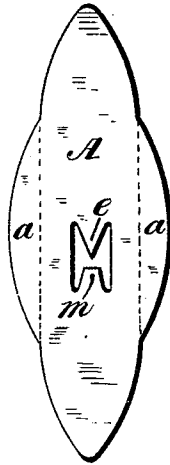


Fig. 2.

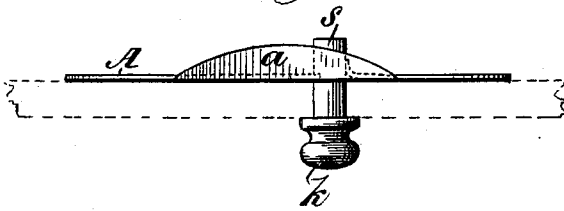
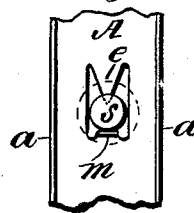


Fig. 3.



Witnesses.
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UNITED STATES PATENT OFFICE.

JOHN WADDELL, OF GRAND RAPIDS, MICHIGAN, ASSIGNOR TO THE
WADDELL MANUFACTURING COMPANY, OF SAME PLACE.

PIVOTED CATCH.

SPECIFICATION forming part of Letters Patent No. 512,996, dated January 16, 1894.

Application filed August 9, 1893. Serial No. 482,776. (No model.)

To all whom it may concern:

Be it known that I, JOHN WADDELL, a citizen of the United States, residing at the city of Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Furniture-Catches, of which the following is a specification.

My invention relates to improvements in furniture catches designed for use on cheap furniture and particularly in commodes, and its object is to provide a cheap and effective catch for use in connection with and to be operated by an attached handle. These objects I accomplish by the construction shown in the drawings, in which—

Figure (1) is a plan of a metallic blank from which the catch is made after the same has been cut, but before being struck up into shape. Fig. (2) is a side view of the catch complete with the handle attached; and, Fig. (3) shows a part of the same as Fig. 1, but with the square tongue turned up and with the shank of the knob in position to have the catch attached.

I strike the catch out of sheet metal of any suitable material; heavy tin being sufficient for light uses, and sheet steel being used if more strength is desired.

In Fig. 1 *a a* are the side wings of the blank which are turned up on the dotted lines shown between them and *A* which is the main body of the blank.

In practice I turn up the wings *a a* at substantially right-angles with the main plate, thus giving the greatest strength and stiffness thereto. The central part of the blank is cut out as shown in Fig. 1 leaving two tongues projecting toward each other: one made sharp as *e*, and the other made preferably flat as *m*. The side wings of the blank being struck up as desired, I take the knob which is made with a shank integral therewith, the knob being shown by *k* in Fig. 2 and the shank by *s*, and pass the shank through the hole provided therefor in the door of the piece of furniture and through the opening in the central part of the catch, bending up the flat tongue *m* as far as may be necessary to enable the shank of the knob to pass through and take the position shown in Fig. 3. The knob being

then inserted so far that only the thickness of the door is interposed between the shoulder of the knob and the catch, I strike the catch a sharp blow on the end shown in the drawings as the upper end, which causes the sharp tongue *e* to enter the wood of the shank of the knob a short distance, and then by striking a slight blow upon the flat tongue *m* and bending it down thereby firmly against the shank, the catch becomes attached and fastened to the knob sufficiently firmly for ordinary use. This construction not only enables me to make a catch which is efficient and cheap and readily and quickly applied, but it enables me to use a knob having the shank made solid therewith, thereby entirely dispensing with the necessity of inserting the shank of the knob from the other side as is necessary when the shank has any shoulder on its outer end and then gluing the head of the same into the knob.

I do not design to limit the construction of this catch to the exact form shown, as similar and equivalent means for rigidly attaching the catch to the shank of the handle will be readily apparent.

Having thus described my invention, what I claim to have invented, and desire to secure by Letters Patent, is—

1. The combination with the shank of a knob, of a catch-plate formed integral with a sharp tongue *e* which is forced into engagement with the shank of the knob for permanently connecting the latter with the catch-plate whereby the latter is adapted to be operated by the knob-shank, substantially as described.

2. The combination with the shank of a knob, of a catch-plate having a sharp tongue *e* for engaging the shank, and a flat tongue *m* for setting against the shank and holding the latter in rigid attachment with the catch-plate, substantially as described.

In witness whereof I have hereunto set my hand and seal in the presence of two witnesses.

JOHN WADDELL. [L. s.]

Witnesses:

ARTHUR C. DENISON,
CHRIS. HONDELINK.