

A. F. CHAMPLIN.
Blind-Slat Fasteners.

No. 144,062.

Patented Oct. 28, 1873.

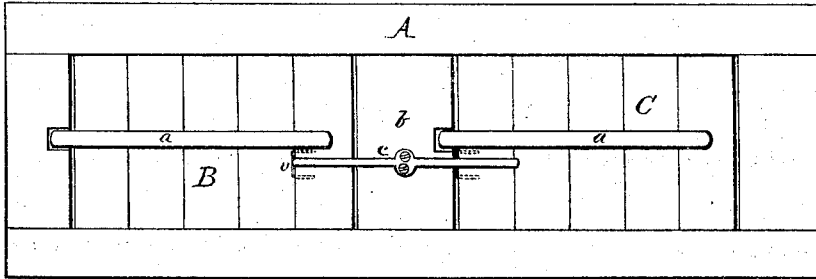


Fig. 1.



Fig. 2.

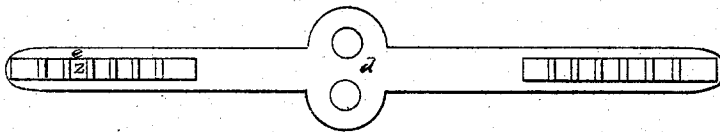


Fig. 3.



Fig. 4.

Witnesses.
Philip Keasi
E. H. Bates.

Inventor.
Amos F. Champlin,
Chapman & Co.,
Attys.

UNITED STATES PATENT OFFICE.

AMOS F. CHAMPLIN, OF WESTERLY, RHODE ISLAND.

IMPROVEMENT IN BLIND-SLAT FASTENERS.

Specification forming part of Letters Patent No. **144,062**, dated October 28, 1873; application filed April 26, 1873.

To all whom it may concern:

Be it known that I, AMOS F. CHAMPLIN, of Westerly, in the county of Washington and State of Rhode Island, have invented a new and valuable Improvement in Blind-Slat Fasteners; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a front view of blind with my fastener attached. Fig. 2 is a section of same. Fig. 3 is a detail view, and Fig. 4 a view of the wire staple or arming for edge of the blind-slats.

This invention has relation to means for securing blind-slats when adjusted to the position desired; and it consists in the construction and novel arrangement of the curved ratchet-spring and the staple-arming for the slats, which operate in connection therewith. The object of this invention is to provide a convenient, economical, and durable means for securing blind-slats.

In the accompanying drawings, the letter A designates the frame of a blind. B indicates the upper set of slats, and C the lower set, provided with the ordinary connecting-rods *a*. To the middle portion *b* of the blind-frame, be-

tween the sets of slats, is secured the spring-fastener *c*. This consists of a slip of spring metal, widened in the center, at *d*, for convenience in attachment, and in order that this portion may be not so flexible as the ends. These ends, at *e*, are curved flatwise somewhat to correspond with the sweep of the slat, and are provided on their under sides with the ratchets *z*. To engage with these ratchet ends *e*, the lowest slat of the upper set and the uppermost slat of the lower set are provided with wire arming *v*, formed like staples, and driven in their edges; thereby the wear of the ratchet-spring against the edge of the wooden slat is prevented.

What I claim as new, and desire to secure by Letters Patent, is—

In connection with a blind, the spring *c*, having the fastening-center *d* and the ends *e*, curved flatwise toward the blind-slats, and provided with the ratchets *z* on their under or concave faces, to engage with the armed edges *v* of the said blind-slats, as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

AMOS F. CHAMPLIN.

Witnesses:

JAMES A. PEABODY,
GEO. L. BAILEY.