

(No Model.)

M. SHINSKY.

INTERCHANGEABLE SLAT FOR SHUTTERS, BLINDS, &c.

No. 572,776.

Patented Dec. 8, 1896.

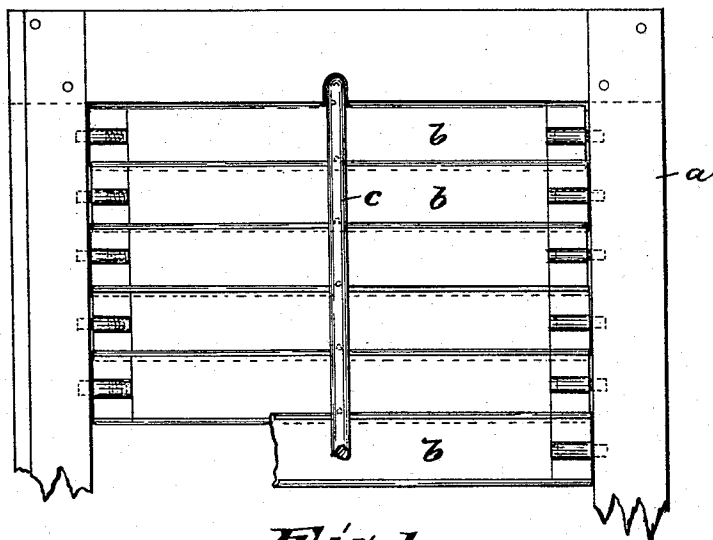


Fig. 1.

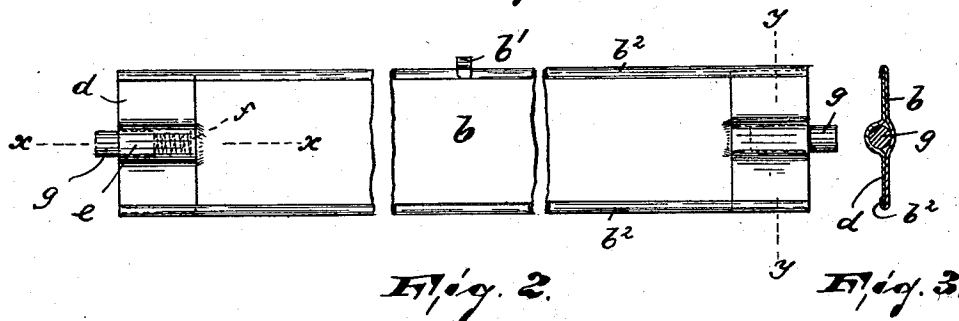


Fig. 2.

Fig. 3.

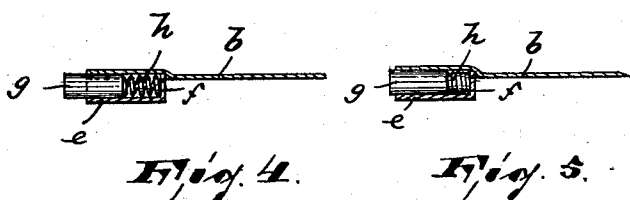


Fig. 4.

Fig. 5.

WITNESSES:

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UNITED STATES PATENT OFFICE,

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INTERCHANGEABLE SLAT FOR SHUTTERS, BLINDS, &c.

SPECIFICATION forming part of Letters Patent No. 572,776, dated December 8, 1896.

Application filed March 18, 1896. Serial No. 583,655. (No model.)

To all whom it may concern:

Be it known that I, MORRIS SHINSKY, a citizen of the United States, residing in Newark, county of Essex, and State of New Jersey, have invented certain new and useful Improvements in Interchangeable Slats for Shutters, Blinds, and the Like; 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 of reference marked thereon, which form a part of this specification.

The object of this invention is to provide interchangeable slats for shutters, blinds, and the like, simple, strong, and durable, and which can be easily and readily attached to and detached from frames of ordinary construction.

The invention consists in the improved interchangeable slats, in their connection with the frame, and in the combination and arrangement of the various parts, substantially as will be hereinafter more fully described and finally embodied in the clauses of the claim.

Referring to the accompanying drawings, in which like letters of reference indicate corresponding parts in each of the several views, Figure 1 is a front elevation of a portion of a shutter-frame provided with my improved interchangeable slats; Fig. 2, an enlarged detail view of one of said slats, certain portions being broken away; Fig. 3, a sectional view on the line *y y* of Fig. 2; and Figs. 4 and 5 sectional views on the line *xx* of Fig. 2, illustrating the locking-pin or axis in normal and depressed position, respectively.

In said drawings, *a* represents the shutter-frame, and *b* the slats, provided with hooks *b'* and connected in series and together by the bar or rod *c*, all of usual and well-known construction. Each slat *b*, which, as illustrated in Figs. 1 to 5, inclusive, is made of sheet metal, strengthened, as at *b²*, by overlapping the edges, is provided at each end with a metal strip or plate *d*, forming at substantially its center a channel *e*, cylindrical in cross-section and arranged parallel to the longitudinal edges of the slat, and adapted to receive a spiral spring *h* and a locking-pin or axis *g*, as clearly shown in the drawings.

The inner end of the spiral spring *h* bears against a projection *f*, arranged on the plate *d* or the slat *b*, and is thus prevented from leaving the channel *e*, as will be manifest.

The frame of the shutter is provided on its inside with sockets to receive the said locking-pins or axis, as in the usual construction. Should any one of the slats break or become demolished, it is removed and replaced by a new one by simply inserting the locking-pin of one end of the slat into its respective socket of the frame, and then by depressing the locking-pin on the other end of the slat and moving it into position. The pin is then released and engages the socket provided for it. The hook of the slat is then connected with the rod *c*, as will be manifest.

From the foregoing it can be seen that by having the locking-pin or axis of the slat spring-controlled and slidably arranged without interfering with its strength or working any broken or demolished slats in a frame can be removed and quickly replaced by a new one without removing the frame from its place and taking it apart.

I do not intend to limit myself to the precise construction shown and described, as various alterations can be made without changing the scope of my invention; but

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

1. An article of manufacture consisting of a plate adapted to be secured at one end of a shutter-slat, having a centrally-situated longitudinal channel and an abutment made integral with said plate and at one end of said channel, and a spring-controlled pin lying in said channel and protruding from the free end thereof, substantially as shown and described.

2. An article of manufacture consisting of a plate adapted to be secured at one end of a shutter-slat, having a centrally-situated longitudinal channel and an abutment made integral with said plate and at one end of said channel, a pin lying in said channel and protruding from the other end thereof and a spring arranged between said abutment and the pin, substantially as and for the purposes set forth.

3. In a fastening for a detachable shutter-slat, the combination with the slat of a plate adapted to be secured at one end thereof and

having a centrally-situated longitudinal channel, an abutment made integral with said plate and at one end of said channel and a pin and a spring lying in said channel between the slat and the plate, the pin protruding from the free end of said channel and the spring lying between the pin and the abutment substantially as described.

4. An interchangeable shutter-slat having retroflex longitudinal edges, a plate secured at one end thereof, by means of said edges, and having a centrally-situated longitudinal channel and an abutment made integral with

said plate, the abutment being situated at one end of the channel, and a spring-controlled pin lying in said channel and protruding from the free end thereof, substantially as shown and for the purposes described.

In testimony that I claim the foregoing I have hereunto set my hand this 13th day of March, 1896.

MORRIS SHINSKY.

Witnesses:

ALFRED GARTNER,
DUNCAN M. ROBERTSON.