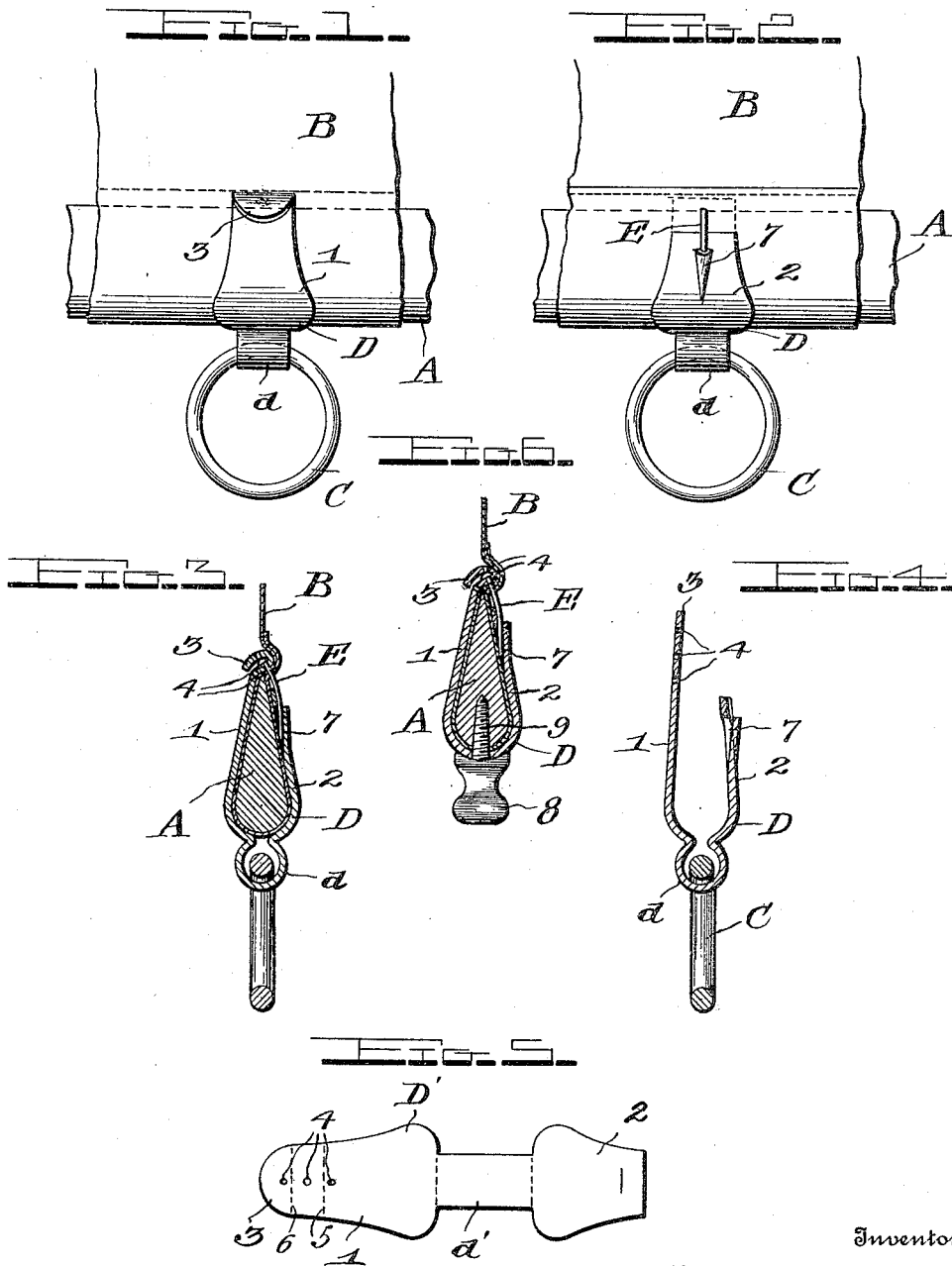


A. H. SHOCK & F. A. ENGLISH.
 WINDOW SHADE STICK CLASP.
 APPLICATION FILED APR. 20, 1914.

1,124,342.

Patented Jan. 12, 1915.



Witnesses

Chas. L. Guistauer.
Effie L. Tremb.

By

Inventors
Abraham H. Shock
Frederick A. English
 By *Wm H. Babcock & Son*
 Attorneys

UNITED STATES PATENT OFFICE.

ABRAHAM H. SHOCK, OF LANCASTER, AND FREDERICK A. ENGLISH, OF SHAMOKIN,
PENNSYLVANIA.

WINDOW-SHADE-STICK CLASP.

1,124,342.

Specification of Letters Patent.

Patented Jan. 12, 1915.

Application filed April 20, 1914. Serial No. 833,138.

To all whom it may concern:

Be it known that we, ABRAHAM H. SHOCK, a citizen of the United States, residing at Lancaster, in the county of Lancaster, Pennsylvania, and FREDERICK A. ENGLISH, a citizen of the United States, residing at Shamokin, in the county of Northumberland and State of Pennsylvania, have invented certain new and useful Improvements in Window-Shade-Stick Clasps, of which the following is a specification.

This invention relates to the metallic clasps which are commonly attached to window-shade sticks for the suspension of the pull-cord or pull ring.

The chief objects of said invention are to facilitate the attachment and detachment of such clasps; to guard against their being dislodged accidentally or by the interference of children; to provide for the tightening of the clasp on the stick and on its covering by the same means and act which attach said clasp thereto; and to insure the utmost attainable cheapness and efficiency combined.

To these ends, the said invention consists of the construction and combination of parts hereinafter more particularly set forth and claimed.

In the accompanying drawings Figures 1 and 2 represent respectively the two sides of the shade-stick and of the clasp applied thereto embodying our invention, a small part of the shade being shown above said stick; Fig. 3 represents a transverse section through the middle of the clasp body and proximate parts; Fig. 4 represents a similar view of the same before the fastening pin is applied, the guard-tongue being shown still unbent; Fig. 5 represents the blank for the clasp-body; and Fig. 6 represents a sectional view similar to Fig. 3 of a modified form of the clasp in which a screw stud or small knob 8 is substituted for the pull-ring, the screw thereof being

screwed from below into the broad lower part of the stick.

A designates the shade-stick, B the shade fabric wrapped at its lower end around the same, C the suspended pull-ring, for which a cord with a ring or tassel at its lower end may be substituted; or the said cord may be attached to said ring; and D the integral body of the clasp provided with a downwardly presented eye *d* receiving said ring.

The clasp consists of said body, and of a pin connecting its two leaves 1 and 2, as shown in Figs. 1, 2, and 3. The material of body D may be of any suitable metal or other substance, having the requisite flexibility with sufficient strength to withstand ordinary strain and hold the form given it when fastened to the stick; thin electroplated sheet steel being preferred. This body is shaped by any suitable machinery from the flat blank D' shown in Fig. 4, having a narrow waist *d'* adapted to be bent into the eye *d* above mentioned and connecting the two leaves 1 and 2, the former of which is provided with a terminal tongue 3, a longitudinal series of holes 4, (Figs. 4 and 5), by which the clasp is adapted to be conveniently used with sticks of different sizes, and two transverse creases 5 and 6, the latter crease being approximately at the base of the tongue and crease 5 being more remote from the tip of the tongue, in other words below crease 6 when the clasp is in its normal upright position before bending and fastening. The other leaf 2 is provided with a longitudinal tapering groove 7, open at its broader end but closed at the other.

When the body of the clasp is shaped for use and applied to the stick A its leaves fit closely against the two upwardly converging sides of the latter, the middle part of the clasp-body on both sides of the neck of eye *d* fits also against the broad convex

bottom or lower face of the stick and extends upward above said stick, the terminal tongue 3 being in line therewith before the fastening is complete. The material of leaf 1 is then bent on crease 5, which is below said tongue as above indicated, so that it will extend across the apex or narrow upper edge of the stick toward the other leaf 2; a pin E is passed through one of the holes 4 and the shade fabric B and into the open upper end of groove 7, which tapers downward, the pin being slightly bent if necessary to effect this fastening. Any ordinary straight pin of proper size may be utilized for this purpose. The pressing in of this pin draws the upper part of leaf 1 tightly on the upper edge of stick A, correspondingly tightening also the lower part of body D against leaves 1 and 2 against its sides, so that the stick is clasped at all points of its circumference by the same action which attaches the clasp-body thereto. This makes an exceedingly effective clasp, which is instantly applied with little trouble and requires only the most ordinary materials.

As its removal is also easy, this clasp would be more or less at the mercy of mischievous or experimenting children and might even be dislodged by accident, if no guard were supplied. The tongue 3 is provided for this service, being bent horizontally at the transverse crease 6, which as above stated is approximately on its line of junction to the body of leaf 1, the direction of this bending or folding being reverse to that first made at crease 5, so that the tongue is turned away from the other leaf 2. When thus bent it extends as a protective cap or guard over the head of said pin, the latter being in place. The said guard-tongue 3 is stiff enough at said crease 6 to require a suitable tool or at least adult strength for bending it out of the horizontal position thus given; so that there is little if any risk of a child being able to turn up said tongue and withdraw the pin: nevertheless the crease 6 insures flexure at the right line when proper means and force are applied.

Of course it is practicable to use either face of the clasp as the front; but we prefer to use leaf 1 in that way, the position being as shown in Fig. 1.

Having thus described our invention, what we claim as new and desire to secure by Letters Patent is:

1. In combination with a window-shade stick, a clasp-body having a flexible leaf extending beyond the upper edge of the stick and perforated, also another leaf on the opposite side of the stick, having a longitudinal groove open at its upper end and a pin

adapted to pass through the perforated part of the former leaf and into this groove for the purpose set forth.

2. In combination with a window-shade stick, a clasp-body fitting the bottom sides and upper edge of said stick, the said body being provided with a longitudinal series of perforations in one part and a tapering groove in another part, and a pin adapted to pass through one of said perforations, entering said groove to tighten all parts of the clasp on said stick by the same movement which attaches the said clasp thereto.

3. In combination with a window-shade stick, a clasp-body fitting the top of the same, as well as its sides and bottom, and a removable device for fastening and tightening the clasp on said stick, the said clasp being provided with a guard for preventing the dislodgment of said device.

4. In combination with a window-shade stick, a clasp-body having a part overlapping the upper edge of said stick, a device for fastening this part to another part of said body and closing and tightening the clasp on said stick and means for covering said device and guarding against its withdrawal or accidental dislodgment.

5. A blank for the clasp-body of a window-shade stick, said blank having a narrow middle part or waist adapted to form an eye by bending, a pair of leaves at the sides thereof, one of which leaves has a longitudinal groove the other leaf being perforated, provided with a terminal tongue and having two transverse creases, one of which creases permits said leaf to be bent across the upper edge of said stick, the other crease permitting the said tongue to be bent as a guard.

6. A clasp-body adapted to be fastened on a shade-stick by an ordinary pin, said body having a perforation in one part and a groove in another, both to receive said pin, the said body also fitting the upper edge, bottom and sides of the shade-stick and being fastened by said pin thereon.

7. A clasp-body for a window-shade stick, in combination with a detachable, fastening means combining with said body to complete the clasp, said body having a tongue adapted to form a guard for said device and a crease determining the folding of said tongue into the proper position therefor.

8. A clasp-body for a window-shade stick, comprising a leaf which extends above the upper edge of said stick and is creased to bend across the same and provided with a perforation in the part thus bent, in combination with a pin adapted to pass through the said perforation and engage another part of the said body, the latter part being adapted to engage said pin.

9. A clasp-body for a window-shade stick,

comprising a leaf which extends above the upper edge of said stick, is perforated and has a terminal tongue, said leaf being provided with two transverse creases facilitating the bending respectively of said tongue over the said perforation, to guard a fastening pin, which may be passed through the same, another part of said body being adapted to engage said pin and complete the clasp.

In testimony whereof we have signed our

names to this specification in the presence of two subscribing witnesses.

ABRAHAM H. SHOCK.
FREDERICK A. ENGLISH.

Witnesses as to A. H. Shock:

JNO. N. HETRICK,
MERLE R. BURKHART.

Witnesses as to F. A. English:

W. E. RESSLER,
WM. H. RESSLER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."