(No Model.)

E. W. PHILLIPS.

SASH CORD FASTENER.

No. 588,730. Patented Aug. 24, 1897.

Fig. 1.

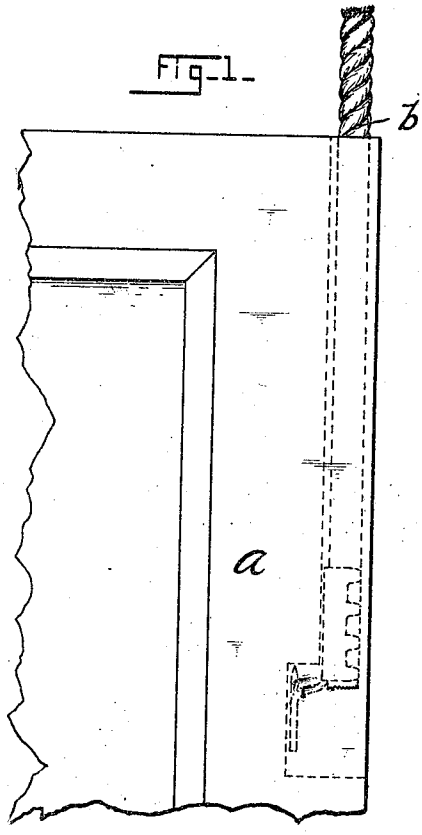

Fig. 2.

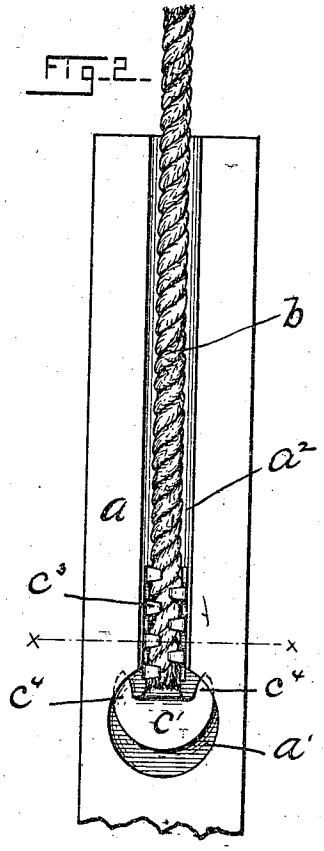

Fig. 3.

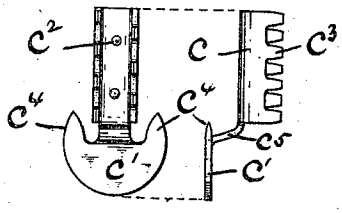

Fig. 4.

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UNITED STATES PATENT OFFICE.

EMANUEL WALTER PHILLIPS, OF NORWICH, CONNECTICUT.

SASH-CORD FASTENER.

SPECIFICATION forming part of Letters Patent No. 588,730, dated August 24, 1897.

Application filed March 15, 1897. Serial No. 627,571. (No model.)

To all whom it may concern:

Be it known that I, EMANUEL WALTER PHILLIPS, a citizen of United States, residing at Norwich, in the county of New London and State of Connecticut, have invented certain new and useful Improvements in Sash-Cord Fasteners, which improvements are fully set forth and described in the following specification, reference being had to the accompanying drawings.

This invention has for its object the production of a simple and inexpensive device that may be readily attached to a sash-cord and whose projecting end portion is shaped to engage the sash without the aid of screws or other supplemental parts.

To explain my invention, I have provided the annexed drawings, in which—

Figures 1 and 2 are respectively side and edge views of a portion of a window-sash having the sash-cord secured thereto by my newly-invented device. Fig. 3 shows face and edge views of my said device detached, and Fig. 4 is a cross-sectional view on line *x x* of Fig. 2.

In the drawings the letter *a* indicates a window-sash having its edge bored, as at *a'*, and channeled, as at a^2, to provide recesses in which the cord *b* and its fastening device may be seated.

My said device consists of two essential elements, one being a body portion *c*, adapted to be clamped upon the cord, and a head portion *c'*, so formed that it may engage the circumferential walls of the recess *a'*, and thus prevent endwise movement of the cord independently of the sash.

I prefer to make my said device of sheet metal of the general form shown in Figs. 1, 2, and 3, the body portion being adapted to be bent to fold around the cord, as seen in Figs. 2 and 4, and I also preferably provide in the said body portion one or more spurs c^2, that may enter the cord, as seen in Fig. 4, and thus help to prevent the withdrawal of the cord from the embrace of said body portion. I have shown the edges of said body portion as provided with teeth c^3, that are offset from each other, (see Fig. 2,) so that when the body is folded upon the cord they may interlock with each other and thus embrace a much smaller cord than if the edges were plain.

The head portion of my device is substantially flat, its outline being somewhat circular or crescent-shaped and of about the same diameter as that of the recess *a'* in the sash. Spurs c^4 are provided in that part of the head adjacent to the body portion, and when the head is laid in the said recess and drawn forcibly upward these spurs enter the wood of the sash, as seen in Fig. 2, and then serve to secure the cord to the sash with no possibility of their becoming disengaged by accident. They may, however, be separated by overcoming the weight of the counterbalance and withdrawing the spurs c^4 from their seats in the wood of the sash.

When it is desired to use my described device, it is only necessary to lay the end of the cord in the partly-folded body portion *c* and close said body portion tightly around the cord, when the head portion of the device may be entered in the recess *a'* and its spurs crowded slightly into the wood.

My described sash-cord-fastening device does away with the necessity of tying the knot in the end of the cord, as very commonly practiced, and embodies in a single simple piece all the desirable features of certain two-part devices sometimes used for the same purpose.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

A sash-cord fastener formed from a single piece of material and comprising a body, a neck, and a head, the body having its edges provided with teeth adapted to be folded around the cord and secured thereto, the neck being offset laterally, and the head being formed substantially crescent-shaped, the ends of which form spurs substantially parallel with the body and adapted to be drawn into the sash by the pull upon the cord, substantially as set forth.

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Witnesses:
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