(No Model.)

W. A. SINSEL.

SASH CORD FASTENER.

No. 293,100. Patented Feb. 5, 1884.

fig. 2.

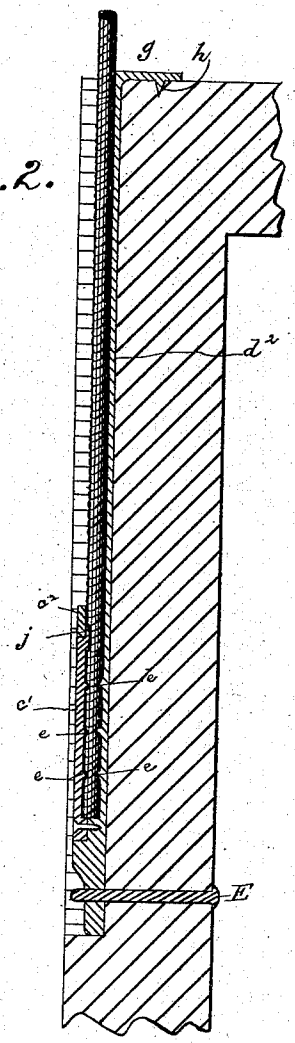


fig. 1.

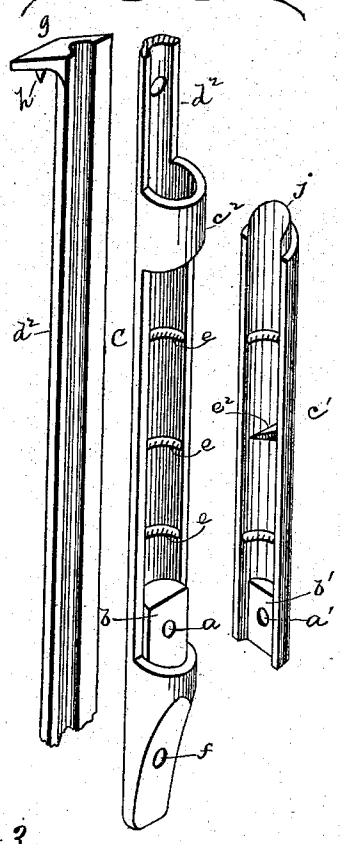
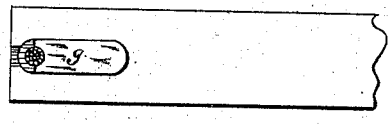


fig. 3.



WITNESSES:

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WILLIAM A. SINSEL, OF WAUKESHA, WISCONSIN.

SASH-CORD FASTENER.

SPECIFICATION forming part of Letters Patent No. 293,100, dated February 5, 1884.

Application filed October 31, 1883. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM A. SINSEL, a citizen of the United States, residing at Waukesha, in the county of Waukesha and State of Wisconsin, have invented certain new and useful Improvements in Sash-Cord Fasteners, of which the following is a description.

My invention relates to devices for fastening cords to window-sashes; and it has for its object to provide means whereby a cord may be firmly held, without being tied, independently of the means used for securing the holding device to the sash.

To this end my invention consists in a device having a body, a cap therefor, and a screw, forming a cord-clamp, and means for securing the same to a sash, as hereinafter described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of my sash-cord fastener, showing the cap removed and the upper portion broken off and placed to the left of the body. Fig. 2 is a vertical section of a portion of a sash, showing my fastener secured therein; and Fig. 3 is a plan view of a portion of the top of the sash, showing the fastener.

c represents the main portion or body of the fastener cast of metal in the form of a trough bridged over at c^2, and provided with elevated ribs *e*. The trough should correspond to the size of the cord to be held therein, and I provide it with raised ribs *e*, to be pressed into the cord across its line of draft, to resist pulling the cord out of the clamp. The clamp is formed by means of a mate or cap trough, *c'*, formed to register with trough *c*, as follows: Trough *c* is provided with a complete arch or bridge, c^2, near one end, and with a ledge, *b*, raised above the edges of the trough, near the other end, said ledge having a screw-threaded hole, *a*, in it. The mate trough is provided at one end with a lip, *j*, shaped to fit closely beneath the bridge c^2, and at the other end with a ledge, *b'*, of less height than its edges, and with a screw-hole, *a'*. e^2 is a spur standing in the trough *c'*.

The operation of securing a cord in this clamp is as follows: The end of the cord, being inserted beneath bridge c^2 from its out end, is drawn in and placed against the inner end of ledge *b*. The cap *c'* is now placed by first inserting the lip *j* beneath the bridge, and then pressing the lower end against the body and turning in a screw at *a' a*. By this means the ribs *e* are embedded into the upper and under faces of the cord, and the spur e^2 is forced through it, thus firmly securing it without any knots in or around the cord. The elevated portion of ledge *b* enters between the sides of the cap *c'*, thus preventing the same from being displaced by cross-strain.

The exterior form of the device is cylindrical, whereby it is adapted to enter a socket bored into a sash at its upper end, or to enter a groove in the edge of the sash extending out at the top.

For the purpose of placing the fastener into its seat when the sash is in place in the window, whether said seat be a round hole or a groove, I provide the fastener with a long shank, d^2, bent at its top *g* at a right angle to rest on top of or be mortised into the top of the sash. I provide this offset with a downwardly-projecting spur, *h*, to enter the sash to keep said top end in place when the device is applied in a groove in the sash. For the sake of stiffness or strength the shank may be ribbed at its edges, or trough-shaped, as an upward continuation of the body-trough for the cord to lie in.

At the lower end of the device I provide a hole, *f*, into which I insert a pin, E, through the sash from its inner edge inside of the plane of the glass. By this means my fastener may first be secured to the sash-cord, then be pushed down into its seat while the sash is in place in the window, and then be secured in its seat by inserting pin E.

Thus my device is a complete clamp, and holds firmly to the cord independently of its surroundings, and it may, with the cord already attached, be applied to or removed from either a grooved or bored sash while the same is in place in the window.

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

1. The combination, with a sash-cord fastener having a hole through its lower end edgewise with the sash, and an upward-projecting shank with an angular end, provided with a fixed spur, of a pin adapted to enter the aforesaid hole from the inner edge of the sash, substantially as shown and described.

2. A trough-shaped body-piece having a bridge arching over it, forming a complete cyl-

inder, in combination with an arched cap having a lip shaped to fit beneath said bridge, and a screw for holding said cap to said body, whereby the body and cap, joined, form a cylinder, as described.

3. A trough-shaped body-piece having a bridge arching over it near one end, and a ledge rising above the sides of said trough near the other end, in combination with a trough-shaped cup having a lip at one end to fit under said bridge, and a ledge near the other end, the sides of the trough rising above said ledge, and a screw adapted to enter holes in said body and cap at said ledges, as shown and described.

WILLIAM A. SINSEL.

Witnesses:
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