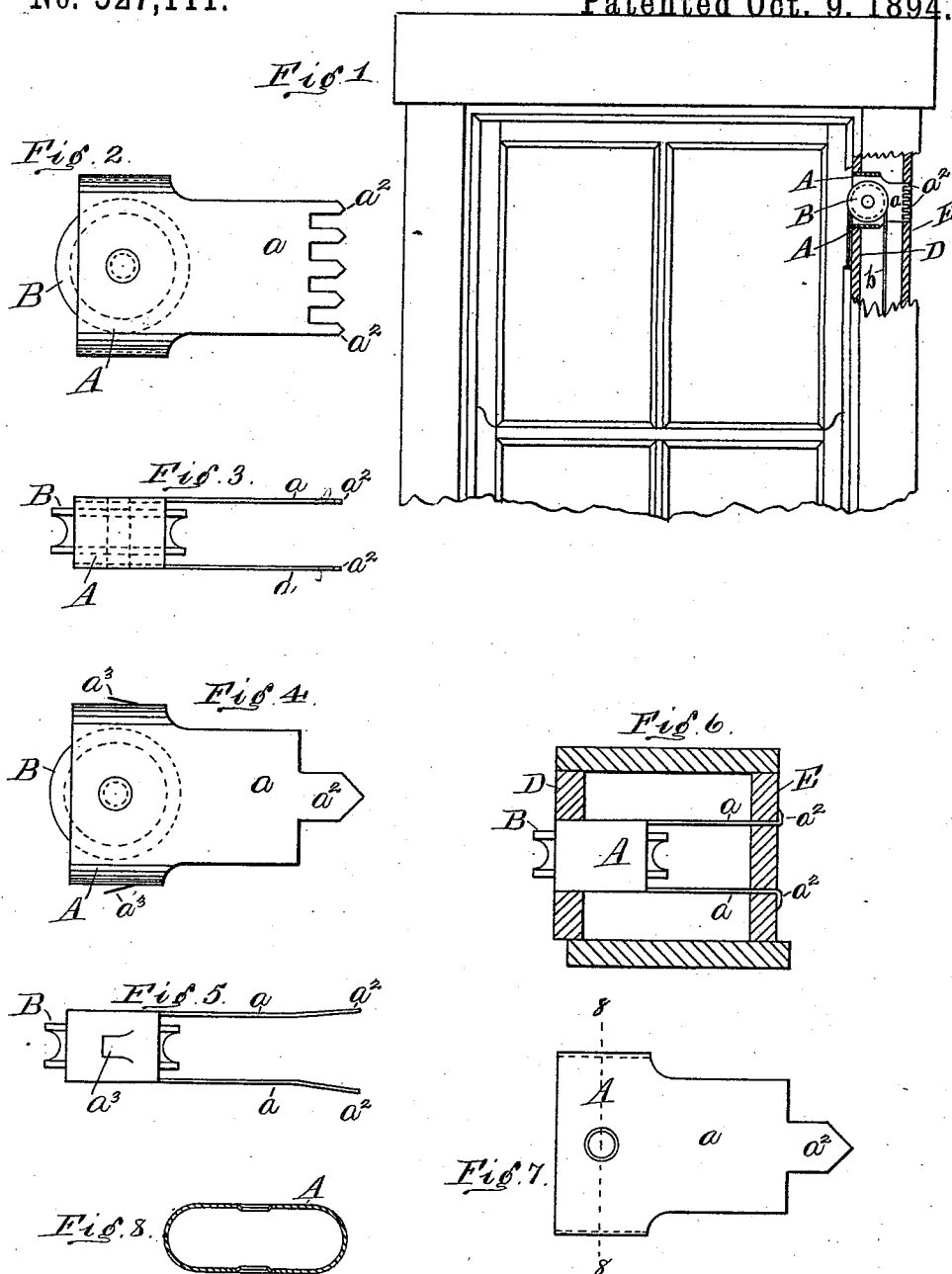


(No Model.)

J. H. FOOTE.
PULLEY CASING FOR WINDOW FRAMES.

No. 527,111.

Patented Oct. 9, 1894.



Witnesses
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UNITED STATES PATENT OFFICE.

JAMES H. FOOTE, OF CINCINNATI, OHIO.

PULLEY-CASING FOR WINDOW-FRAMES.

SPECIFICATION forming part of Letters Patent No. 527,111, dated October 9, 1894.

Application filed January 27, 1894, Serial No. 498,174. (No model.)

To all whom it may concern:

Be it known that I, JAMES H. FOOTE, a citizen of the United States, residing at Cincinnati, Hamilton county, State of Ohio, have invented certain new and useful Improvements in Pulley-Casings for Window-Frames, of which the following is a specification, reference being had to the accompanying drawings.

The object and nature of my invention will be fully apparent from the description and claim hereinafter contained.

In the accompanying drawings:—Figure 1, is a front elevation, partially sectioned, of the top portion of a window-frame and sash with my improved pulley-casing in an operative position. Fig. 2, is an enlarged side elevation of the pulley-casing shown in Fig. 1, detached from the window-frame, and Fig. 3, is a top view of Fig. 2. Figs. 4 and 5 are side and top views, respectively, of a slight modification of my improved pulley-casing. Fig. 6, is an enlarged transverse section through one side of a window-frame provided with my invention, and illustrating one mode of attaching it to said frame. Fig. 7, is a side elevation of a pulley-casing embodying my invention with the pulley removed, and Fig. 8, is a vertical section on dotted line 8, 8, of Fig. 7.

My invention consists of a pulley-casing, A, adapted to fit snugly within the usual mortise formed in the front casing D of the window-frame, said casing having a rearward extension, a , which latter is of sufficient length to reach through the open space or chamber formed in said frame and become attached to the rear casing E of said frame, substantially as shown.

The pulley, B, is suitably mounted within the casing, A, which latter is preferably formed from one integral piece of sheet-metal, the metal being previously cut away to form the aforesaid extensions, a , as shown; but, I do not confine myself to this specific form or construction of pulley-casing, as the same might be formed of two pieces suitably connected, each piece having a rearward extension capable of being driven into the rear casing of the frame.

Each rearward extension a of my improved pulley-casing is so formed as to be capable of being driven into the rear casing, E, of the window-frame; and, with this object in view, I preferably form one or more tangs, a^2 , at the end of each extension, which tangs will readily enter the wood of said frame, as shown in Fig. 1, or they may be made to pass entirely through the rear casing and clinched, as shown in Fig. 6.

The pivot center of the pulley, being located inward from a line vertical with the front casing of the frame, will tend to retain said casing securely to place, as the weight (not shown) on the sash-cord, b , will have a tendency to pull said pulley-casing inward; but, if additional security is desired, the said casing may have one or more lips or projections, a^3 , cut or formed therein, as shown in Figs. 4 and 5, to engage with the front casing, D, of the window-frame.

The tangs a^2 may be bent or twisted to any desired angle, and, if desired, said tangs may be barbed or otherwise roughened to assist in securely retaining the pulley-casing to place.

When constructed as shown, my improved pulley-casing is put to place by passing the rearward extensions a through the usual mortise formed in the front casing of the window frame,—the casing A being adapted to fit snugly within said mortise; and, while said casing is being driven to place within its mortise, the tangs on the rearward extensions a will enter the rear portion E of the frame, as shown.

The advantages of my invention are apparent, being simple of construction, cheap of manufacture and reliable in operation. The rear extensions a entering or being affixed to the rear portion of the window-frame, afford two rigid bearings and connections for the pulley-casing, which latter cannot be readily displaced or loosened by reason of the sash-cord weight coming into contact therewith.

My improved pulley-casing dispenses with the use of all screws, and is readily and quickly secured to place within the window-frame as hereinbefore specified.

I am aware that pulley-casings have been formed with a rear shank which is adapted

to fit within an aperture in the rear of the frame; but, in this construction said aperture must be first formed with a boring-tool before the casing can be put to place, which operation is obviated in the use of my improved pulley-casing.

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

A pulley-casing consisting of the main body

portion A having the rearward side extensions *a*, each of which extensions terminates in a sharpened point capable of being driven into the solid wood of the frame, for the purposes set forth.

JAMES H. FOOTE.

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