

W. D. SMITH.
SECTIONAL METALLIC WINDOW FRAME.
APPLICATION FILED OCT. 15, 1909.

976,308.

Patented Nov. 22, 1910.

Fig. 1.

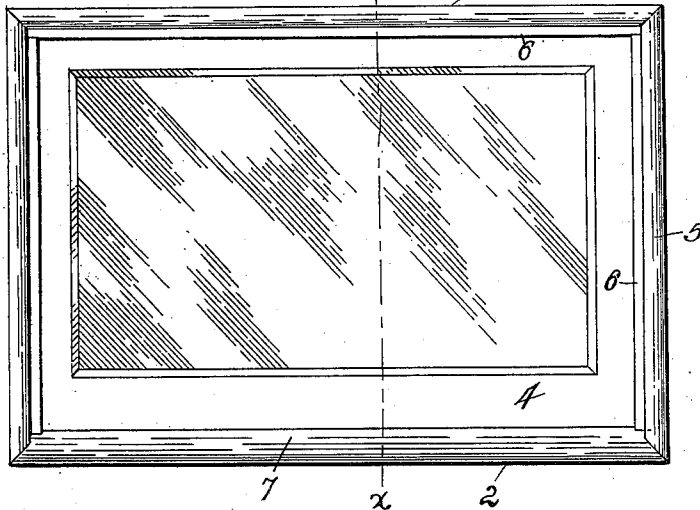


Fig. 2.

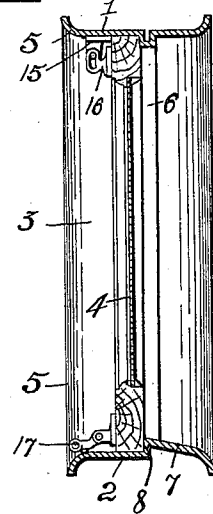


Fig. 3.

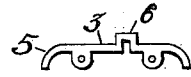
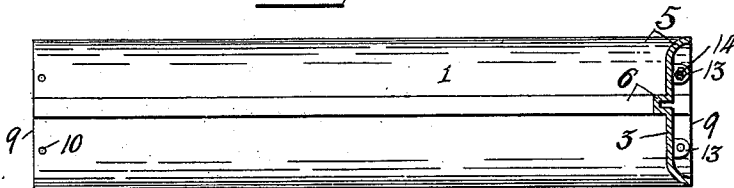


Fig. 4.

Fig. 5.

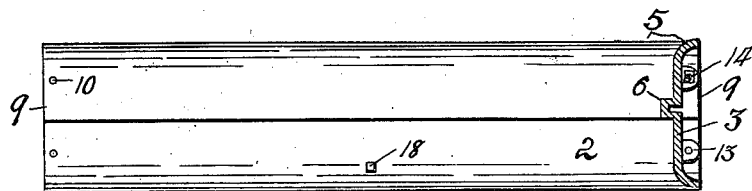
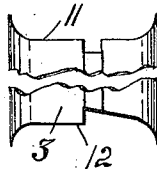


Fig. 6.



WITNESSES:
C. H. Bills.
Anna Markel.

INVENTOR.
W. D. Smith
By Owen & Owen,
His attys.

UNITED STATES PATENT OFFICE.

WILLIS D. SMITH, OF HUNTINGTON, INDIANA, ASSIGNOR OF ONE-HALF TO JAMES M. TRIGGS, OF HUNTINGTON, INDIANA.

SECTIONAL METALLIC WINDOW-FRAME.

976,308.

Specification of Letters Patent. Patented Nov. 22, 1910.

Application filed October 15, 1909. Serial No. 522,711.

To all whom it may concern:

Be it known that I, WILLIS D. SMITH, a citizen of the United States, and a resident of Huntington, in the county of Huntington and State of Indiana, have invented a certain new and useful Sectional Metallic Window-Frame; 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 the figures of reference marked thereon, which form a part of this specification.

My invention relates to metallic window frames, and has particular reference to the construction of a sectional cast metal frame for cellar windows, but is not restricted to such use.

The object of my invention is the provision of a simple and highly efficient device of this character, which is strong and durable in its construction, inexpensive of manufacture, and capable of being easily and quickly set up or knocked down, and, when knocked down, of having the parts thereof folded together in compact form to facilitate a packing thereof and also to reduce to a minimum the cost of shipping.

The invention is fully described in the following specification, and a preferred embodiment thereof is illustrated in the accompanying drawings, in which,—

Figure 1 is a front view of the same with a window in closed position therein. Fig. 2 is a cross-section thereof on the line *x x* in Fig. 1. Fig. 3 is an inside view of the top section with a side section in section and secured to one end thereof. Fig. 4 is an end view of one of the side sections. Fig. 5 is an inside view of the bottom section with a side section in section and secured to one end thereof, and Fig. 6 is an inside view of a side section with the central portion broken away.

Referring to the drawings, 1 and 2 designate the top and bottom sections, respectively, of the frame, 3, 3 the two like side sections of the same, and 4 a window mounted therein. Each of the several sections has its inner side edges preferably outwardly rounded or convexed, as by an outward flaring of such edges, as shown at 5, to eliminate sharp internal edges and also to provide

external flanges for coöperating with the surrounding masonry or other incasing portion of a building to securely retain the frames in position within a wall. The top and side sections are also each provided on their inner faces at or adjacent their centers with longitudinally-extending ribs 6 which coöperate to form the window abutting rib of the casing. Should the window be hung to open inwardly, the bottom section preferably inclines upwardly and inwardly from adjacent its outer edge to near the center thereof or to a line in register with the inner edges of the ribs 6, as shown at 7, and then drops suddenly to form a window abutting shoulder 8. The ends of the top and bottom sections are preferably squared relative to their side edges, as indicated at 9, and are formed adjacent such ends with eyes 10, one being disposed on each side of the window abutting rib or shoulder thereon. The upper and lower ends of the side sections 3 are fashioned as shown at 11 and 12, respectively, in Fig. 6 to conform to the transverse contours of the inner faces of the top and bottom sections, to form seats at such ends for the end portions of the latter sections to seat in, whereby the meeting edges of the sections register perfectly and resemble mitered joints at the front and rear sides of the frame, as shown in Fig. 1. The ends of the sections 3 are formed flush with their ends with outwardly projecting perforated ears 13, the perforations of which are adapted to register with the eyes 10 in the sections 1, 2 to receive uniting bolts or rivets 14. It will be noted that the ears 13 do not project beyond the ends of the sections 1, 2.

The window 4 is preferably hung at the top of the frame to ears 15 projecting from the inner side of the top section thereof and has its hinge ears 16 vertically slotted and broadened to adapt such ears, when the window is raised to horizontal position, to move horizontally on the pivots of the ears 15 and coöperate with such pivots and the top of the frame to retain the window raised.

17 designates a latch member at the bottom of the window which engages with a socket 18 in the bottom section 2 to retain the window closed.

It is thus apparent that I have provided a window frame which is especially adapted for cellar windows through which wood, coal or other heavy bulky matter is to be thrown,

and which is capable of being easily and quickly set up and also of being packed in a compact and small package.

I wish it understood that my invention is not limited to any specific construction or arrangement of the parts except in so far as such limitations are specified in the claim.

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

A metallic window frame, comprising, in combination, top, bottom and side sections, said sections having their longitudinal edges outwardly curved, said side sections having their ends provided with outturned apertured lugs which do not project beyond the

outer edges of said curved edges, and said ends being continued in line with said longitudinal curved edges to conform to the surface of the juxtaposed top and bottom sections, a continuous rib formed along the middle longitudinal line of said sections, and said bottom section having said rib merged into the curve provided by the outwardly turned longitudinal outer edge.

In testimony whereof, I have hereunto signed my name to this specification in the presence of two subscribing witnesses.

WILLIS D. SMITH.

Witnesses:

WILLIAM D. HAMER,
JOSEPH N. SMITH.