C. W. DAVOCK.

METALLIC WINDOW FRAME.

APPLICATION FILED SEPT. 22, 1910.

1,040,286. Patented Oct. 8, 1912.

Fig 1.

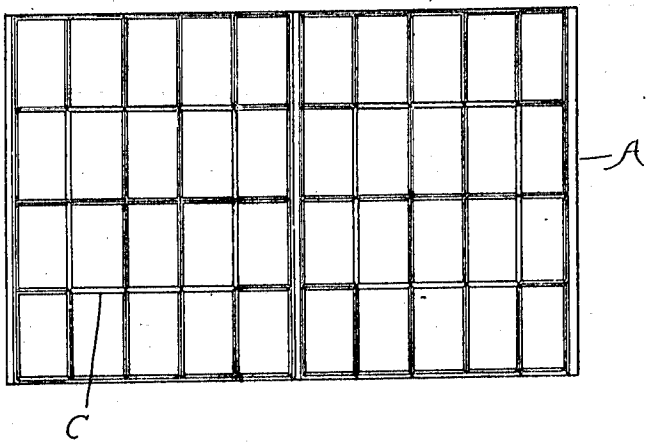
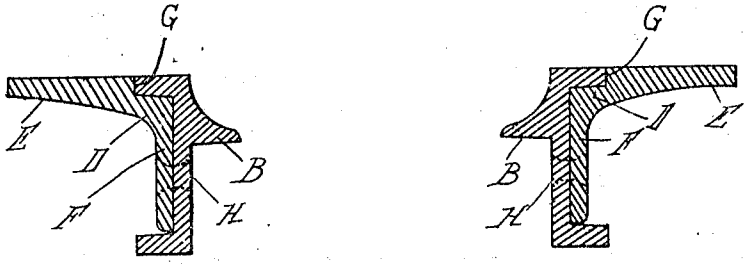


Fig 2



Witnesses

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UNITED STATES PATENT OFFICE.

CLARENCE W. DAVOCK, OF DETROIT, MICHIGAN, ASSIGNOR TO DETROIT STEEL PRODUCTS COMPANY, OF DETROIT, MICHIGAN, A CORPORATION OF MICHIGAN.

METALLIC WINDOW-FRAME.

1,040,286. Specification of Letters Patent. **Patented Oct. 8, 1912.**

Application filed September 22, 1910. Serial No. 583,233.

To all whom it may concern:

Be it known that I, CLARENCE W. DAVOCK, a citizen of the United States of America, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Metallic Window-Frames, of which the following is a specification, reference being had therein to the accompanying drawings.

The invention relates to metallic window frames of that type in which the sash and its division bars are formed of metal.

The invention consists in the means employed for securing the sash frame to the masonry as more fully hereinafter set forth.

In the drawings,—Figure 1 is an elevation of the metallic window frame; Fig. 2 is an enlarged horizontal section therethrough showing the manner of securing the sash to the masonry.

A is the sash frame preferably formed of channel bars and having a projecting flange B for forming the seat for the glass pane, C are sash cross bars.

For securing the sash in position I provide anchors engageable with the side bars of the sash and having a portion which may be embedded in the masonry. These anchors are preferably formed of angle bars D, one flange E of which projects outward while the flange F is adapted to fit within the channel of the bars A. There is also preferably formed a groove or rabbet G which receives one flange of the channel bar and forms a flush joint with the outer face thereof. During the construction, of the masonry bars D are set with the flange E projecting into a recess and suitably secured as by embedding in cement. The bars D upon opposite sides of the window are properly lined up and are spaced to receive the sash frame. The sash may then at any time be engaged with the anchors D being positioned by the engagement of the flange F with the channel of the bar and being secured by screws such as H.

What I claim as my invention is:

In a metallic window sash, a side bar having a shoulder or flange on one side thereof to receive the glass, and provided with separated flanges on the other side, of an anchor therefor, comprising an angle bar, one member of which is secured to and rests against the face of the side bar between the outside flanges, and the other member of which forms a complementary extension of one of the outside flanges and is notched or gained to receive such side bar flanges.

In testimony whereof I affix my signature in presence of two witnesses.

CLARENCE W. DAVOCK.

Witnesses:

H. L. FRACHER,

P. H. ESSEG.