

A. WEBER.
SASH FIXTURE.
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1,012,774.

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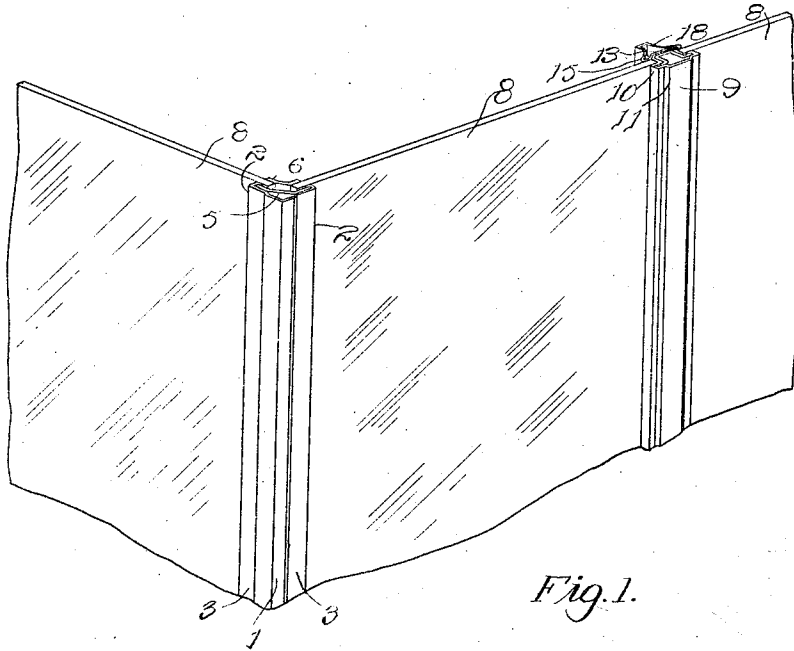


Fig. 1.

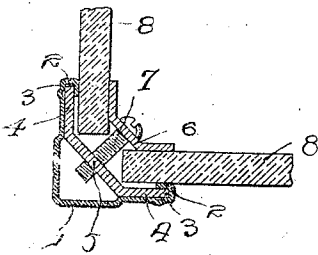


Fig. 2.

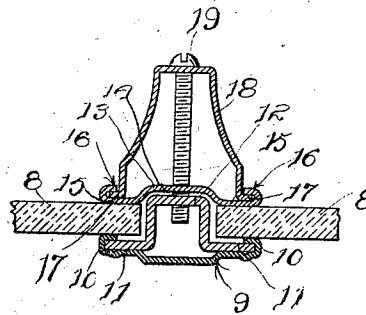


Fig. 3.

ANTON WEBER ^{Inventor}

Witnesses
H. A. Stark.

H. C. Schroeder

By

E. C. Thoman

Attorney

UNITED STATES PATENT OFFICE.

ANTON WEBER, OF OAKLAND, CALIFORNIA, ASSIGNOR TO THOMAS BOOTH CO., OF
OAKLAND, CALIFORNIA, A COPARTNERSHIP.

SASH-FIXTURE.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ANTON WEBER, a citizen of the United States, residing at Oakland, in the county of Alameda and State of California, have invented certain new and useful Improvements in Sash-Fixtures, of which the following is a specification.

This invention relates to clamping devices for uniting the adjacent edges of panes of glass, panels, and other forms of sheet material to form structures.

The invention has special reference to means for clamping and supporting the adjacent edges of sheets of glass as, for example, a show window, show cases, and other similar structures.

The invention has for its object to provide an improved joint for clamping sheets of glass and other material together which will be light in weight and formed of several pieces instead of a solid strip.

The invention further has for its object to provide a clamping strip for the adjacent edges of glass which can be formed of inner strips and outer strips clamped together, the outer strip being of more expensive metal than the inner strip.

Referring to the accompanying drawing:—Figure 1 is a view in perspective of a corner of a portion of a show window showing plates of glass clamped together by means of joints constructed in accordance with this invention. Fig. 2 is an enlarged detail view in cross section of the corner joint shown in Fig. 1. Fig. 3 is an enlarged detail view in horizontal section of the butt joint shown in Fig. 1.

In carrying out the invention, a corner joint for a show window is provided which consists of an angular strip of sheet metal 1 preferably formed of copper, brass, or more expensive metal which may be of ornamental shape and which has its longitudinal edges 2 bent over and clamped against the edges 3 of the angular portions 4 of a plate 5 preferably formed of rolled steel. A second smaller plate 6 similar in shape to the plate 5 is provided, the plates 5 and 6 being formed at intervals with screw holes through which project binding screws 7, clamping between the plates 5 and 6 the adjacent edges of glass plates 8 constituting the corner of a show window. It will be seen that by means of this construction, a

clamping joint is provided which will be light in construction and less expensive than a solid clamping strip, the outside portion of which will be of expensive material while the inner clamping portions will be of cheaper material and yet strong and serviceable, and forming a tight joint.

In Fig. 3 is shown a modification of the invention in which an outer strip 9 of copper, brass, or more expensive metal is provided of an ornamental shape and having its edges 10 bent over and clamped against the edges of the lateral flanges 11 of a trough shaped metal strip 12, preferably of steel. In conjunction with the strip 12 is employed a longitudinal strip 13 preferably of steel formed with a central longitudinal shallow gutter portion 14, spaced apart from the gutter shaped strip 12 and having laterally projecting flanged portions 15 with their edges 16 bent over and clamping the flanges 17 of a deep gutter shaped metallic strip 18 of steel. The strips 13 and 18 are each provided with a number of screw holes located at intervals lengthwise thereof, through which project clamping screws 19 which also engage holes located at intervals lengthwise in the trough shaped strip 12. It will be seen that by means of this construction the screws 19 when screwed up serve to draw together the strips 12, 13 and 18 and to firmly clamp the strip 9 against panes of glass 8 having their adjacent edges projecting between the folded edges 10 of the strip 9 and the lateral flanged portion 15 of the strip 13.

It will be seen that by means of this invention a strong and rigid joint is provided which has the outside of a joint of solid expensive metal and it will be light in weight and readily put together and taken apart.

What I claim is:—

1. In a joint of the kind described, a longitudinal trough shaped clamping plate having longitudinal laterally projecting flanges, a plate abutting against and having its edges bent over the edges of the lateral flanges of the trough shaped plate, a longitudinal metallic trough shaped strip having a longitudinal flange at each edge, the longitudinal shallow trough shaped plate having lateral flanges and its edges bent over the flanges of said trough shaped strip, and binding screws connecting said several trough shaped strips.

2. In a joint of the kind described, a pair of glass plates having the adjacent edges spaced apart from each other, an outer metallic binding member consisting of a U-shaped longitudinal metallic strip having a lateral flange at each side, and an outer strip of sheet metal having its edges bent over the edges of the flanges of said U-shaped strip, and resting against said glass plate, and an inner clamping member consisting of a longitudinal metallic strip having lateral flanges, and a trough shaped longitudinal

strip having lateral flanges clamped by the bent over edges of the flanges of the last named strip, and binding screws connecting said several strips together, the last named strip being clamped between said inner and outer members. 15

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

ANTON WEBER.

Witnesses:

H. C. SCHROEDER,
F. J. SCHROEDER.