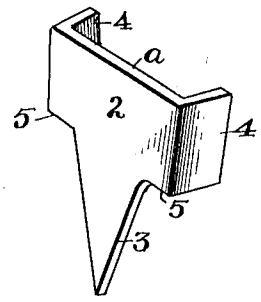
G. M. NAUMANN.

BRAD FOR FASTENING WINDOW GLASS.

APPLICATION FILED AUG. 22, 1912.

1,066,646. Patented July 8, 1913.

Fig. 1



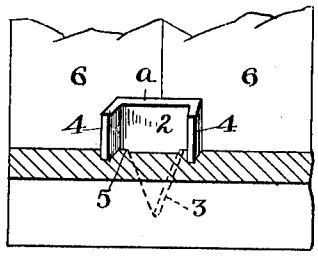
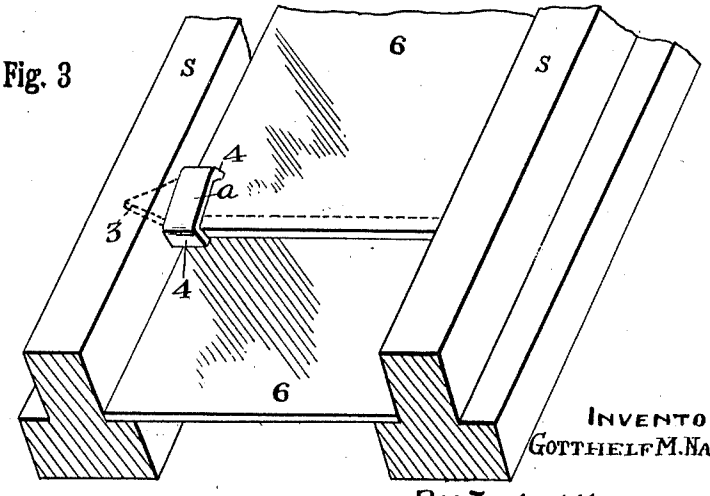


Fig. 2

Fig. 3



ATTEST

E. M. Fisher

F. C. Mussen.

INVENTOR

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UNITED STATES PATENT OFFICE.

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BRAD FOR FASTENING WINDOW-GLASS.

1,066,646. Specification of Letters Patent. Patented July 8, 1913.

Application filed August 22, 1912. Serial No. 716,348.

To all whom it may concern:

Be it known that I, GOTTHELF M. NAUMANN, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Brads for Fastening Window-Glass, of which the following is a specification.

My invention relates to a glazier's brad or point adapted to fasten glass in wooden sashes, the same being a new article of manufacture and sale.

In the accompanying drawings, Figure 1 is a perspective view of the brad or point alone. Fig. 2 is a direct perspective of a section of a window sash *s* and two glasses edge to edge and a brad overlapping both glasses. Fig. 3 is a perspective view of a small section of a hot-bed sash wherein the glasses overlap from above and tend to slide down unless specially fastened by the brad.

The brad, point or fastener *a* is constructed as shown from sheet metal and preferably of brass so as to make it durable and avoid the tendency to rust which iron or steel are liable to. The said brad has a body 2, a V-shaped driving point 3 at the middle of said body and right angled rearwardly bent wings or flanges 4 at its sides of the full width of the said body and of a depth relatively about as shown. The said point is of less width at its base than the body of the brad as between its sides and this leaves shoulders 5 on the lower edge of the brad at each side of the base thereof which in any case is the driving limit of the brad, and the said shoulders are flush with the lower edges of the flanges 4. It follows when the brad is driven its full depth into the sash that the said shoulder 5 and the lower edges of the flanges will alike bear on the sash and serve as braces for sustaining the brad against the glass, especially when used as seen in Fig. 2. In Fig. 3 the glasses 6 overlap as usual in hot bed sashes and the brad is driven in laterally and one of the flanges or lips 4 engages the edge of the upper sash and holds it in place. Both corners or angles of the said upper glass can be fastened in the same way but in fact one brad for each glass suffices to hold the glass indefinitely.

In the manufacture the blank is struck from a suitable piece of sheet metal and then the ends of the body are bent back alike or to the same side and at substantially right angles and constitute the so-called flanges or wings 4. Then it depends on the use made of the brads whether one or the other becomes the inside.

The shoulders 5 on the ends of the body 2 are of such length as will sufficiently spread the flanges 4 to use the brad as seen in Fig. 3 and hold the driving point as nearly as possible in line with the grain of the wood into which it is driven, the spread of the flanges relatively as far apart as shown by means of said shoulders enabling this important effect to be obtained and which would not be possible with the requisite depth of flange if they came immediately at the base of the point and which would necessarily narrow the brad to such short space between flanges that it would throw the point at such a decided angle across the grain of the sash that it would be liable to split the sash. This occurs because the idle flange must rest on the glass while the other flange is dropped down over the edge of the glass.

What I claim is:

As a new article of manufacture, a brad for fastening glass in hot-bed sashes having a V-shaped driving point and a body extending laterally from the base of said point at both sides and providing shoulders at each side of said base, and said body provided with flanges at its ends extending rearward at right angles to said body from the outer portions of said shoulders.

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

GOTTHELF M. NAUMANN.

Witnesses:
F. C. MUSSUN,
E. M. FISHER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."