

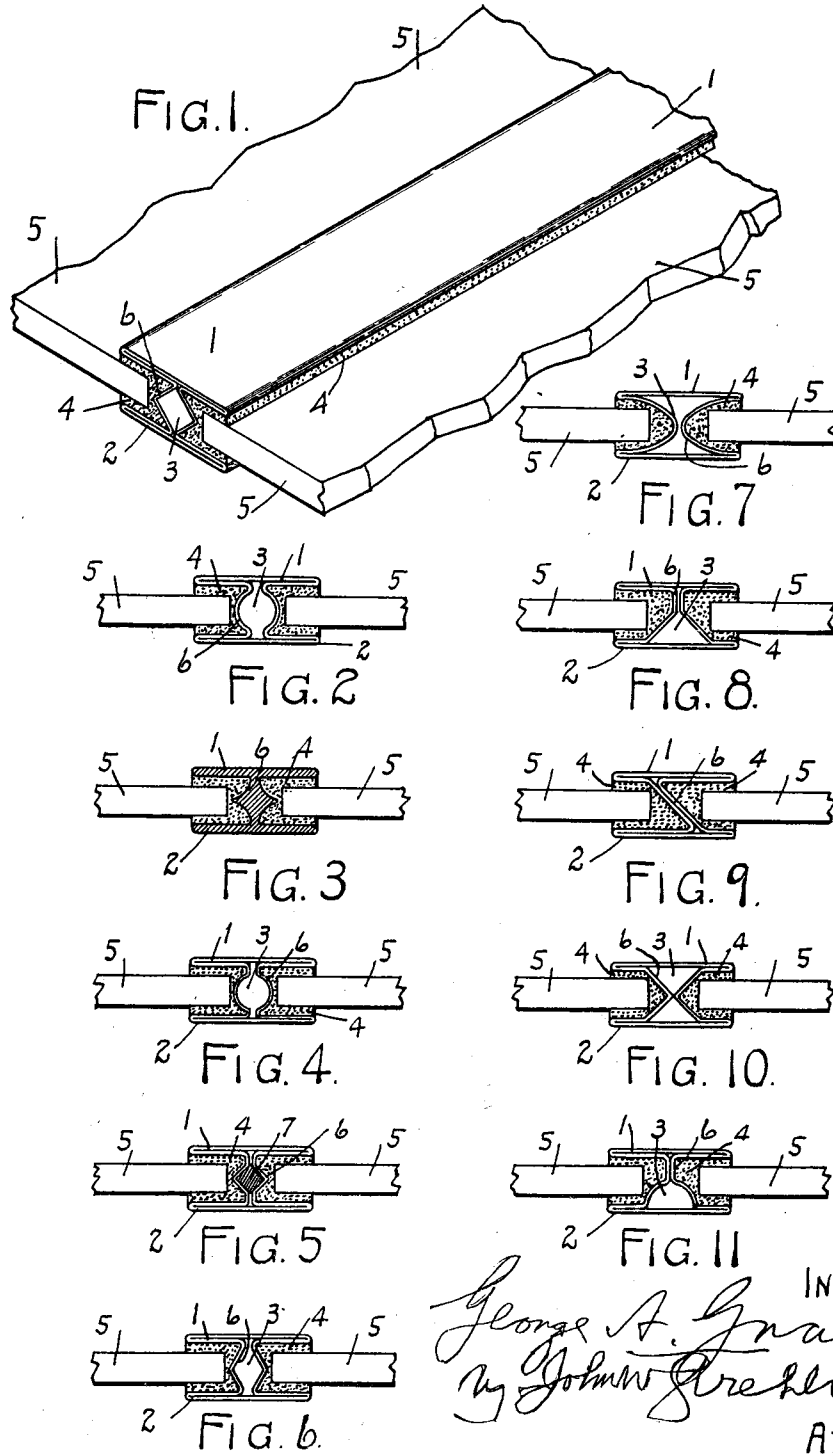
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CAME

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My invention relates to comes or metal glazing bars or strips, principally used in leaded glass work for stained glass windows or doors, or for ornamental work of such character, or for metal bar divisions, used instead of wood, bars or muntins.

One of the salient features of my invention consists in forming comes of the above character with "hearts" of peculiar form and contour, enabling me to secure strength for the came and providing means for holding the glass and its securing elements as putty composition or the like, in a normal locked position, preventing leakage and rattling, in this manner securing a water-proof and anti-rattling joint.

Instead of forming a vertical heart shape I form the heart of a round, oval, diamond, double, semi-circular, double elliptical, or other form, contour or configuration, some of which forms are shown in the drawing, so that pockets, locking corners, recesses, spaces, and the like, will be present to receive the putty or composition when the glass is inserted into the came, putty or the like will be forced and pressed into said spaces and pockets and hold the glass intact and in a locked position, from which it will not be dislodged. In this work the putty composition will be more than normal in quantity so that the same will remain longer in a line formation and withstand the elements and prevent rain, moisture and the damp-destroying elements from entering behind the glass. This also prevents the window glass from rattling as the putty, cement, or like compound remains in a normal condition, not drying or shrinking only to a minimum degree.

My new came can be made up of flat strips and rolled or drawn, or formed with dies or both, into the various configurations shown in the drawings or of any other preferred form or contour, or they may be cast into any form, thus making them of solid metal, or I may place bars or rods in the hearts when they are tube-like or hollow, all of which forms are shown in the drawing.

By employing my heart formation the same is not weakened, but on the contrary, is strengthened.

It will readily become obvious that my new came is simple, efficient in use, and economical in use as dispensing with undue repair, and it possesses a marked degree of utility.

In the accompanying drawing forming a part of this specification:

Fig. 1, is an isometric view of the came in position with the glass and putty composition in place, parts being broken away,

Fig. 2, is an end or elevation view showing one form, being shown in position as a came, with the glass in position, the glass being broken away,

Fig. 3, is a section showing the parts same as Fig. 2, except that the came is solid, instead of being rolled and drawn,

Fig. 4, is similar to Fig. 2, but of a different form,

Fig. 5, is a similar view to Fig. 2, excepting that a solid bar is used in the heart for strengthening,

Figs. 6, 7, 8, 9, 10 and 11, are views similar to that shown in Fig. 2, excepting that each is of a different and distinct form.

The came is made up of two body parts and 2, and the central body part 3, said body parts being spaced apart except where the central body part 3 is present. This central body part is called the "heart" of the came.

In the spaces between the upper and lower body parts 1 and 2 on each side of the heart 3, I place the glass, putty, cement, or holding composition 4. In this putty I imbed the glass 5. On account of the peculiar shape of the heart it will be seen that the putty enters into pockets, recesses, spaces, and the like, 6 formed by the peculiar shape of the heart in connection with the upper and lower body part, thus the glass will be held against displacement and the finished came, putty and glass will retain a normal position, preventing the inlet of water and moisture, preventing drying, and to form the anti-rattler, as the glass and putty will not become loosened very readily.

I really imbed the glass in the putty preparation and lock the putty preparation between the glass and the elements which make the came and by the peculiar formation of the "heart", holding said glass in perfect alignment as the putty preparation will always hold it in such a position, and the putty preparation holding its position, thus forming a perfect combination of elements to form an ideal joint between the window came and the glass.

In Figs. 1, 2, 4, 6, 7, 8, 9, 10, and 11, the heart of the came is of a form which is made by dies

or rolled into shape. In Fig. 3, the came part and the other parts of the came are cast into shape, and in Fig. 5, the heart of the came is provided with a rod or bar passing there-
5 through, the bar being marked 7.

It will be understood that by forming my came as herein shown, that is, the heart there-
of, I strengthen the same and do not weaken it as I use the full quota of metal and my
10 peculiar shape of said heart enables it to properly and efficiently hold the glass and putty composition together against deteriora-
tion, thus prolongating the life of the came and the glass it holds in position.

What I claim as new and my invention and 15
desire to secure by Letters Patent is:

A came of the character described, body
portions, connected by a heart element, and
spaced apart on each side of said heart ele-
ment to receive the glass, and composition for 20
holding and suspending the glass around its
entire edges, said heart element shaped other
than vertical in face outline, the face of the
heart being smooth.

In testimony whereof, I affix my signature 25
at Cincinnati, Ohio, this 22nd day of July,
1924.

GEORGE A. GRAU.