

April 12, 1932.

W. J. DENNIS

1,853,339

SCREEN MOLDING BEAD

Filed May 31, 1930

Fig. 1.

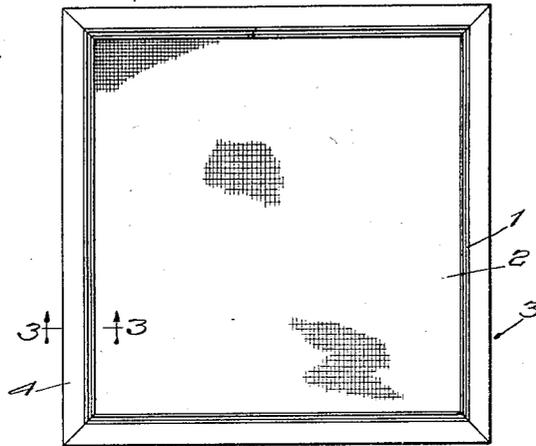


Fig. 2.

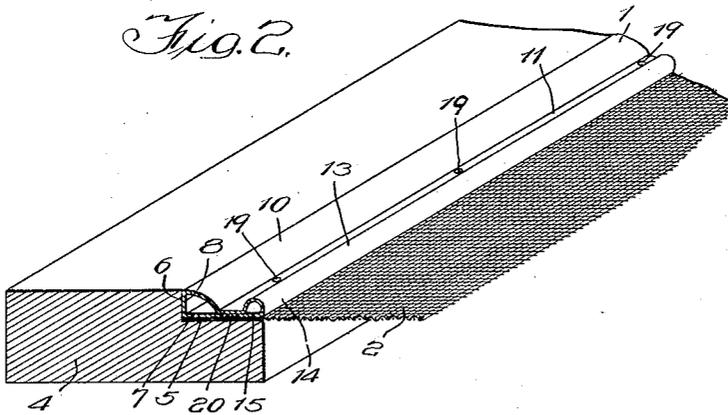
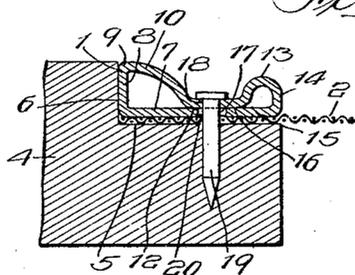


Fig. 3.



Witness:

William P. Kilroy

Inventor:
William J. Dennis

By *Hill Hill*

Attys 30

UNITED STATES PATENT OFFICE

WILLIAM J. DENNIS, OF CHICAGO, ILLINOIS

SCREEN MOLDING BEAD

Application filed May 31, 1930. Serial No. 453,158.

This invention relates to a metal screen molding bead member which serves to assist in securing a wire screen or other fabric to a frame.

5 The principal object of the invention is to provide a metal bead member adapted to be positioned within the confines of a rabbet formed in a frame, and constructed to cause a portion of the wire screen or other fabric to be forced or worked inwardly into an opening formed in the lower part of the bead member to thereby tighten and anchor the wire screen or other fabric evenly about its perimeter to the frame.

15 Another object is to provide an article formed with two longitudinal hollow bead portions extending therefrom, of which one is provided with a shoulder portion of a height to abut against the wall or shoulder part of a rabbet and lie substantially flush with the face of the frame.

20 The invention has as another object to construct an article having a flat base with two spaced longitudinal bead portions formed thereon in such a manner that the material between the beads is flattened to contact the base portion, and provide a nailing channel portion.

25 The invention further aims to provide a construction which will be very economical of manufacture, of attractive appearance and durable in use.

30 With reference to the drawings wherein several views of the screen molding bead device is shown, and wherein the important features of the device are designated by numerals:

35 Fig. 1 is a front view in elevation of a window screen frame showing the bead device secured thereto;

40 Fig. 2 is an oblique projection of the device, showing it secured within a rabbeted frame member or rail; and

45 Fig. 3 is an enlarged sectional view taken substantially on the line 3—3 of Fig. 1, clearly showing the important points underlying the construction of the bead.

50 With reference to the drawings and particularly to Fig. 1, the screen molding bead device 1 is shown in its adapted position to

thereby aid in securing a wire screen 2 or other fabric which may be used to a frame 3.

In Fig. 2, one member 4 of the frame is shown provided with a rabbet having a base portion 5 and a shoulder 6, and within the confines of this rabbet the device is adapted to be arranged and secured. Although the device is shown secured within a rabbet, it is to be understood that the same may also be mounted on the face side of an unrabbeted frame. The device in part includes a substantially flat base portion 7 and an upstanding right angular shoulder part 8, which is adapted to abut against the shouldered face of the rabbet. The height of this right angular part 8 is substantially equal to the depth of the rabbet less the thickness of the wire screen 2 to thereby cause the point or part 9 of the device to lie substantially flush with the face of the frame or rail member 4. The material comprising the device is also folded or curved around as at 10 and down and across to provide a hollow bead and a flat nailing channel portion or area 11, the latter of which is adapted to contact the base portion 7, as indicated at 12. This channel portion is preferably constructed to lie substantially parallel with and contact the base portion of the device, but may, of course, be altered to some extent, as it will be obvious that it is not essential that it be formed to lie parallel with the base or even contact the same. The device is further folded around as at 13 and 14, and under as at 15 to provide a hollow longitudinal bead portion; of which the portion 14 is adapted to lie substantially flush with the inner edge of the frame or rail member; and the base portion 15 is adapted to lie substantially in the same plane as the base portion 7 and contact the channel portion, as indicated at 16, contacting similar to the manner in which the base portion 7 is adapted to contact the channel portion as indicated at 12.

These base portions 7 and 15 are constructed to provide a space or opening 17 into which the wire screen 2 or other fabric is adapted to be crowded. Provided in the channel portion 11 opposite this opening 17 are a plurality of holes 18. It will thus be

clear that upon securing the bead device in position by means of small nails or brads such as 19, that the screen 2 will be worked or crowded into the opening 17, as indicated at 20, to thereby cause the edges of the screen to be firmly anchored.

From the above description, it will be clearly apparent that an improved molding bead device is constructed which has many advantages over the wooden bead; and that the same may be made of various kinds of metals which may be finished in any suitable manner corresponding, if desired, to a particular kind of finish which may be applied to the frame.

Having thus described my invention, it is obvious that various immaterial modifications may be made in the same without departing from the spirit of my invention; hence, I do not wish to be understood as limiting myself to the exact form, construction, arrangement and combination of parts herein shown and described or uses mentioned.

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

1. A molding strip formed with bead portions, and with its edges turned under to contact at points between the beads.
2. A molding strip formed with hollow bead portions, and with its edges folded under in the same plane to provide a flat base.
3. A molding of sheet material folded to provide a base portion, an upwardly extending part which is folded around, down and over to provide a hollow bead and a channel portion, said channel portion adapted to contact said base portion, said material further folded upwardly, down and under to provide a bead and base portion, said base portion being adapted to contact said channel portion and lie in spaced relationship in the same plane with said first-mentioned base portion, and said channel portion provided with a plurality of apertures arranged opposite the space between said base portions.
4. A molding strip formed with hollow bead portions, and with its edges folded under to engage the strip intermediate the beads and thereby provide a base having a longitudinal opening, one bead being larger and formed with a shoulder thereon, and a nailing portion provided between the beads.
5. A molding material folded to provide a base portion, an upwardly extending shoulder part which is folded around, down and over to provide a hollow bead and a flat channel portion, said channel portion adapted to contact said base portion, said material further folded upwardly, around, and under to provide a bead and base portion, said base portion being adapted to contact said channel portion and lie in spaced relationship in the same plane with said first-mentioned base portion and in a plane parallel with said channel portion, and said channel portion pro-

vided with a plurality of apertures arranged opposite the space between said base portions.

6. A molding strip formed with its longitudinal edges folded under to engage the strip intermediate its sides to thereby provide a flat base having a narrow opening therein extending the length thereof.

7. A molding strip comprised of sheet material, the longitudinal edges of the strip being folded under to engage the body portion of the strip so as to provide a base and form a narrow opening extending the full length thereof.

8. The combination of a frame, and a molding strip with a fabric arranged therebetween, said molding strip being formed of sheet material with its edges folded under to engage the strip so as to provide a base having a narrow opening therein, said opening providing means for receiving a portion of the fabric upon the application of said strip to said frame.

In witness whereof I hereunto subscribe my name this 28th day of May, A. D. 1930.

WILLIAM J. DENNIS.