June 8, 1948. J. MARINO 2,442,929

ARCH MEMBER FOR OPENINGS

Filed June 6, 1944

Fig. 1

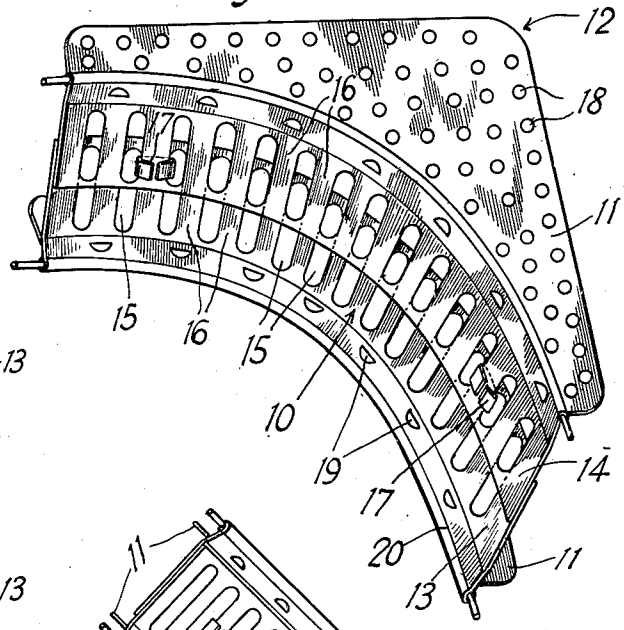
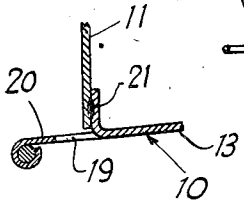


Fig. 4



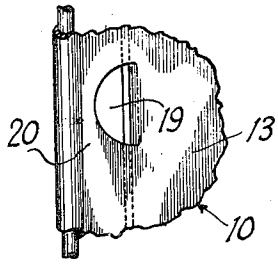


Fig. 5

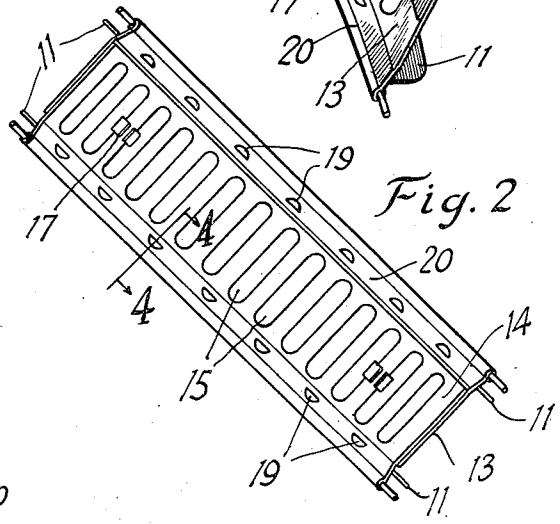


Fig. 2

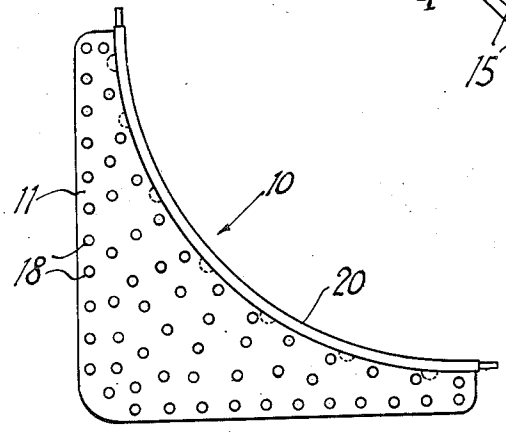


Fig. 3

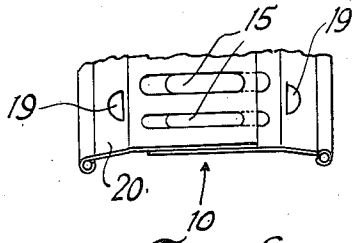


Fig. 6

INVENTOR
Joseph Marino
BY F. Lederman
ATTORNEY

Patented June 8, 1948 2,442,929

UNITED STATES PATENT OFFICE

2,442,929

ARCH MEMBER FOR OPENINGS

Joseph Marino, Brooklyn, N. Y.

Application June 6, 1944, Serial No. 538,996

1 Claim. (Cl. 72—121)

1

This invention relates to corner arch members, and although it may be applied to other purposes it is primarily intended for use as a support or base adapted to be covered with plaster. Such members are commonly used for the latter purpose, and they are secured in frame openings or on supports or brackets, in the construction of arched corners for doorways and the like.

The main object of this invention is the provision of such a member which is readily adjustable in width to accommodate the particular width of the opening or frame to which it is secured and also of the desired finished or plastered arch.

A further object of the invention is the provision of means whereby the applied plaster will be securely anchored to the metal arch member.

The above and other objects will become apparent in the description below, wherein characters of reference refer to like-numbered parts in the accompanying drawings. It is to be noted that the drawings are intended for the purpose of illustration only, and it is neither desired nor intended to limit the invention necessarily to the specific details of construction shown excepting insofar as they may be deemed essential to the invention.

Referring briefly to the drawings, Fig. 1 is perspective view of the member looking up from below it at an angle.

Fig. 2 is a face view of the arched shell of the member.

Fig. 3 is a side view of the member.

Fig. 4 is a sectional view taken on the line 4—4 of Fig. 2.

Fig. 5 is a bottom plan view of Fig. 4.

Fig. 6 is a fragmentary view showing an end portion of the member with sections partially extended.

Referring in detail to the drawings, the numeral 10 represents an arched panel-like plate having a pair of identical wings 11 secured thereto along opposite side edges thereof at right angles thereto. The wings 11 are square cornered as shown at 12 so that the device may be applied to the corner formed by the intersection of the wall of a room with the ceiling.

The panel 10 is formed of two identical sections 13 and 14 laterally slidable with respect to each other. Each section 13 and 14 has a plurality of similarly positioned and spaced slots 15 cut therethrough, the solid lengths of the sections between successive slots 15 being indicated at 16. To lock the sections 13 and 14 slidably and separately together, metal strips or bands 17 are passed

2

through two successive slots 15 of both sections around the solid length 16 therebetween, thus providing a means of restraining the two sections mutually against any movement excepting a lateral movement toward or away from each other. It is therefore obvious that the width of the arched member may be varied at will within its limits.

Both wings 11 are provided with a plurality of openings 18 therethrough, and partly circular or lunate openings 19 are provided through the projecting edges or eaves 20 of the panel 10. The wings 11 may be secured to the panel sections 13 and 14 in any desired manner, such as, for instance, by spot welding as shown at 21.

When such an arch member has been mounted in place, the plaster which is applied to cover it gets through the slots 15, and openings 18, and the openings 19, so that, when hardened, the plaster is firmly anchored to the member not only under the arch but also on the sides and edges.

Obviously, modifications in form and structure may be made without departing from the spirit and scope of the invention.

I claim:

An arch member comprising a pair of substantially parallel side wings defining the width of the member, each of said wings having a curved edge of one of a pair of mutually overlapping complementary arched strip sections secured at right angles thereto, said sections having spaced slots therein, and means slidably interlocking said strip sections, said means comprising chain-link-like bands passing through the portions of a pair of said slots common to both of said sections and around the material of said sections between said slots.

JOSEPH MARINO.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
265,740	Betts	Oct. 10, 1882
1,046,666	Smith	Dec. 10, 1912
1,048,988	Mayo, Sr.	Dec. 31, 1912
1,979,701	Merryweather	Nov. 6, 1934
2,005,572	Vass	June 18, 1935
2,344,279	Beerthuis	Mar. 14, 1944

FOREIGN PATENTS

Number	Country	Date
50,788	Denmark	Oct. 21, 1935