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C. GILMORE

METAL FURRING

Filed May 22, 1922

Fig. 1.

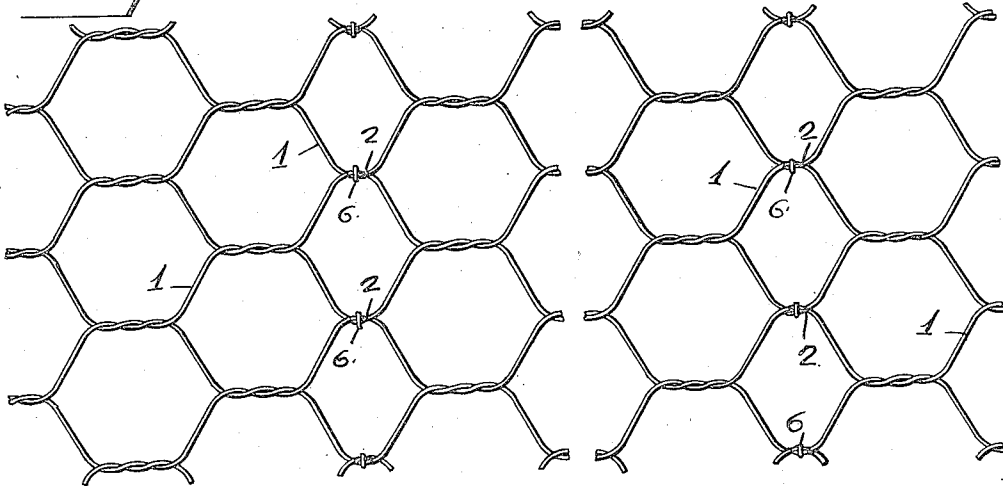


Fig. 2.

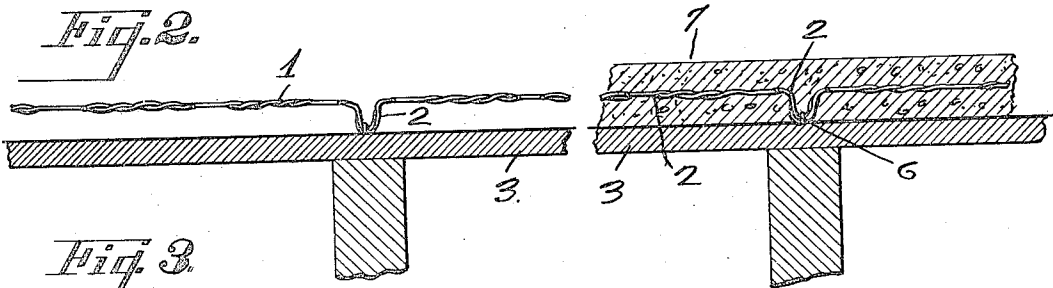


Fig. 3.

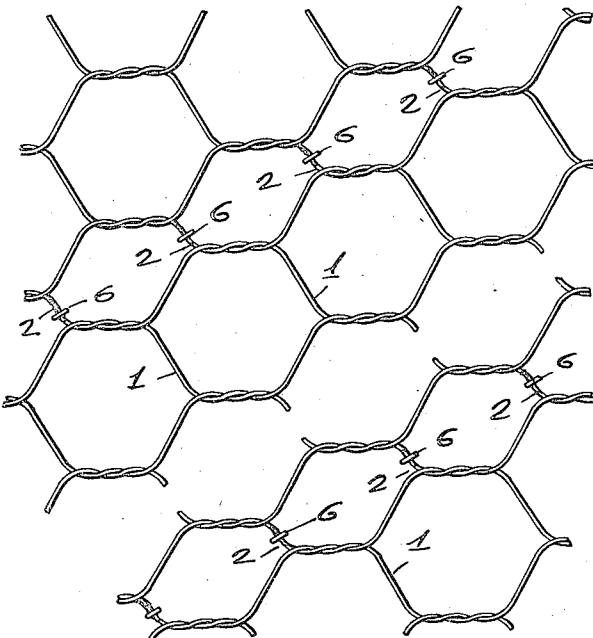
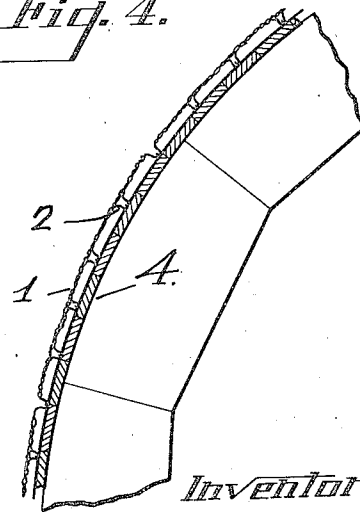


Fig. 4.



Inventor

Carl Gilmore

By Arthur H. Slee,

Att'y.

UNITED STATES PATENT OFFICE.

CARL GILMORE, OF OAKLAND, CALIFORNIA.

METAL FURRING.

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To all whom it may concern:

Be it known that I, CARL GILMORE, a citizen of the United States, residing in the city of Oakland, county of Alameda, and State of California, have invented a new and useful Improvement in a Metal Furring, of which the following is a specification.

My invention relates to improvements in metal furring as an article of manufacture wherein a wire screen is provided with integral lugs by means of which the body of the furring is held in spaced relation to a vertical wall in such a manner as to permit of the application and support of a coat of plaster or stucco that is substantially uniform in thickness.

The primary object of my invention is to provide a new and improved article of manufacture.

Another object of the invention is to provide a new and improved metal furring adapted to cheapen and facilitate the application and support of a coat of plaster or stucco to a vertical wall, partition or the like.

A further object of the invention is to provide a new and improved metal furring adapted to permit the application and support of a coat of plaster of uniform thickness throughout.

A still further object is to provide a new and improved metal furring adapted to eliminate the time, labor and cost of providing battens for holding the furring in spaced relation to its wall or support.

Another object of the present invention is to provide a new and improved article of manufacture of the character set forth whereby a uniform thickness of plaster or stucco may be applied to prevent a uniform sectional area throughout thereby preventing cracking of the plaster or stucco after the same has set.

A still further object is to provide a new and improved article of manufacture of the type described having means for supporting the furring or screen in true arcuate spaced relation around columns and the like to facilitate the production of a true circular formation of stucco around said column with a substantially uniform thickness.

Another object of the invention is to provide a metal furring, as a new and improved article of manufacture, having indentations therein arranged to form integral lugs by means of which said furring may be fas-

tened and supported in spaced relation to a vertical wall or the like.

I accomplish these and other objects by means of the improved device illustrated in the drawings forming a part of the present specification wherein like characters of reference are used to designate similar parts throughout the said specification and drawings, and in which:

Fig. 1 is a broken elevation of one form of my improved metal furring;

Fig. 2 is a broken horizontal sectional view through a structure disclosing the application of my invention;

Fig. 3 is a broken elevation of another form of the invention; and

Fig. 4 is a broken sectional view disclosing the latter and preferred form of the invention as applied to the circular surface of a column.

In the present state of the art, metal furring or metal lath is applied to regularly spaced battens on the outside or walls of a structure to hold a flat metal furring in spaced relation to said wall. After the stucco or plaster is applied, these battens form pockets within the applied stucco or plaster and thereby prevent the application of a uniform thickness, which, due to unequal expansion caused by variation in temperature, strains and stresses and other causes, usually produces cracks to admit moisture which eventually disintegrates the stucco.

In the present invention I provide a metal furring which not only eliminates the time, labor and cost of applying the battens, but which holds the furring in spaced relation to the wall to be covered in such a manner that a coat of stucco or plaster may be applied which is uniform in thickness throughout, thereby eliminating cracks and the like.

Referring to the drawings the numeral 1 is used to designate a metal screen or furring, preferably of what is known as "chicken screen," said screen 1 being provided with regularly spaced indentations 2 whereby integral bifurcated lugs of equal length are provided to hold the said screen 1 in spaced relation to a wall or structure 3.

The lugs are aligned so as to prevent undue warping of the screen to facilitate even application of the same to its supporting structure. The lugs may be aligned transversely to the screen body as in Figs. 1 and 2 or they may be aligned diagonally as in Figs. 3 and 4. I prefer the diagonal align-

ment as this method will readily permit an even application of the screen to a flat wall or structure and also to the curved surface of a column 4, said diagonal arrangement or alignment of the lugs 2 then forming a spiral support which will tend to more evenly and readily impart a true curved or arcuate position to the body of the screen.

The screen 1 may be held in position by suitable staples 6 or any other suitable fastening device.

After the screen 1 is applied to its supporting structure the bifurcated lugs will readily permit the passage of the plastic material being applied and the result will be a uniform thickness of applied plaster or stucco 7 which will entirely surround said lugs and thereby prevent the formation of pockets within the plaster as when wooden battens are used as in the present state of the art.

It will be noted that the lugs 2 are formed from the strands of wire extending along the sides of spaced rows of interstices so that each lug will be independent of the other lugs. This structure is of particular importance because of the fact that when the screen is rolled in the usual manner for storage or shipping, the lugs 2 will enter adjacent interstices of the screen as said screen is rolled, thereby effecting a very great saving in space as the rolled screen will occupy no greater space than a corresponding amount of ordinary screen.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:

1. An article of manufacture comprising a metal furring formed from twisted wire screen having relatively large hexagonal interstices, spaced rows of which are foreshortened along one diameter by indenting the wires upon opposite sides of each inter-

stice of such rows to form loops arranged to engage and be secured to a supporting structure to hold the furring in uniformly spaced relation to said structure.

2. An article of manufacture comprising a metal furring formed from twisted wire screen having relatively hexagonal interstices spaced rows of which are foreshortened along one diameter by indenting the wires upon opposite sides of each interstice of such rows to form independent loops arranged to engage and to be independently secured to a supporting structure to hold the furring in uniformly spaced relation to the said structure.

3. An article of manufacture comprising a metal furring formed from twisted wire screen having relatively large hexagonal interstices, spaced diagonal rows of which are foreshortened along one diameter by indenting the wires upon diagonally opposite sides of each interstice of such rows to form diagonally aligned loops arranged to engage and to be independently secured to a supporting structure to hold the furring in uniformly spaced relation to said structure.

4. An article of manufacture comprising a metal furring formed from twisted wire screen having relatively large hexagonal interstices, spaced diagonal rows of which interstices are foreshortened along a diameter thereof by indenting the wires upon diagonally opposite sides of each interstice of such rows to form a plurality of rows of loops extending in diagonal alignment across the width of the furring, said loops being arranged to engage a supporting structure and to be independently secured thereto to hold the furring in uniformly spaced relation to said structure.

In witness whereof I hereunto set my signature.

CARL GILMORE.