Sept. 25, 1928. 1,685,729

P. STONE

BRIDGING CONSTRUCTION FOR JOISTS

Filed July 27, 1927

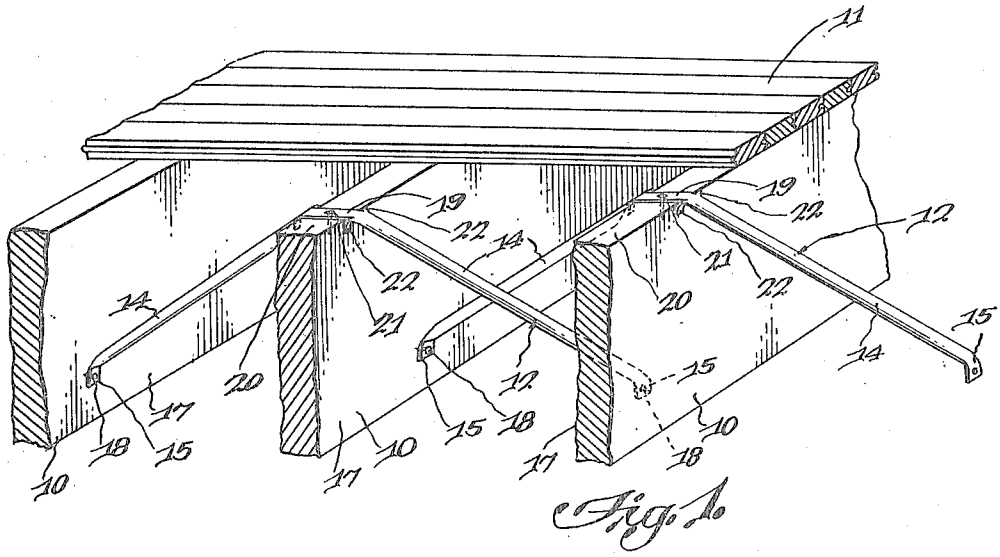


Fig. 1.

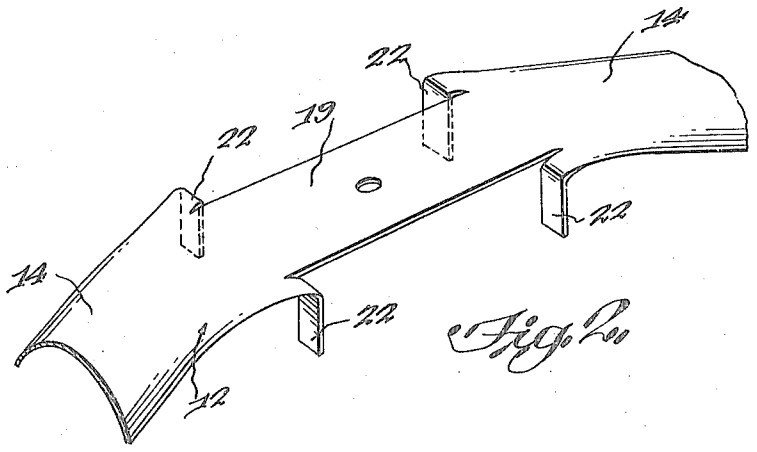


Fig. 2.

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UNITED STATES PATENT OFFICE.

PETER STONE, OF CHICAGO, ILLINOIS.

BRIDGING CONSTRUCTION FOR JOISTS.

Application filed July 27, 1927. Serial No. 208,841.

This invention relates to bridging constructions for joists and has for its principal object the provision of an improved construction of this character which will be highly efficient in use and economical in manufacture.

Among the salient objects of the invention is to provide a joist bridging which when in applied position functions to transmit lateral strain to the top edge of the joist to which the floor boards are nailed and which also will relieve the lateral strain of the joist on the elements connecting the bridging to the joist.

Other objects will appear hereinafter.

The invention consists in the novel combination and arrangement of parts to be hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawings, showing the preferred form of construction and in which:

Fig. 1 is a perspective view showing the invention in applied position; and

Fig. 2 is a fragmentary perspective view of a bridging embodied in the invention.

Referring more particularly to the drawing, 10 indicates a joist to which floor boards 11 are secured. My improved joist bridging includes a bar 12 of an elongated construction. This bar 12 has outer portions 14 which are substantially oval-shaped in cross section and the end portions 15 are flattened and angled with respect to the portions 14. These angled portions 15 are adapted to engage the sides 17 of the joist and the angled end portions have perforations formed therein for the projection of nails 18 whereby to effect connection between these end portions and the joist. The intermediate portion 19 of the bar is substantially flat and this flat portion is adapted to rest upon the top edge 20 of the joist and be secured thereto through the medium of a nail 21 or the like. At this intermediate portion 19 there is struck from the bar 12 prongs 22. These prongs 22 are spaced from each other and arranged in pairs on opposite sides of the joist and are adapted to engage the opposite sides of the joist to re-enforce the point of connection between the intermediate portion of the bar 12 and the joist.

From the above description it will be manifest that the prongs 22 function to resist the lateral sway of the joist and at the same time re-enforce the connection between the bridging and the joist.

In practical use the end portions 14 extend downwardly from the top edge of the joist to their points of connection with adjacent joists.

While I have illustrated and described the preferred form of construction for carrying my invention into effect, this is capable of variation and modification, without departing from the spirit of the invention. I, therefore, do not wish to be limited to the precise details of construction set forth, but desire to avail myself of such variations and modifications as come within the scope of the appended claim.

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

A bridging for floor joists including an elongated member having a substantially flat portion at substantially the mid point in the extent thereof, said member including substantially oval shaped portions extending outwardly from said flat portion at an angle thereto, said flat portion having ears struck from the edges thereof adapted to join said member at the juncture between said flat portion and said oval shaped portions, said ears being adapted to extend substantially at right-angles with respect to said flat portion, said flat portion being adapted to be disposed on the upper side of the joists whereby the sides of said joists may be engaged by said ears, said flat portion having an opening therein through which a securing element may be extended, and substantially flat portions at the free ends of said oval shaped portions adapted to extend at an angle with respect to said oval shaped portions, said last named flat portions having openings provided therein through which securing elements may be extended whereby said member may be secured to the sides of joists juxtaposed said first named joist.

In testimony whereof I affix my signature.

PETER STONE.