

No. 827,676.

PATENTED JULY 31, 1906.

H. E. VANCE.
SLAT FOR CONSTRUCTING FIREPROOF BLINDS.
APPLICATION FILED JAN. 31, 1905.

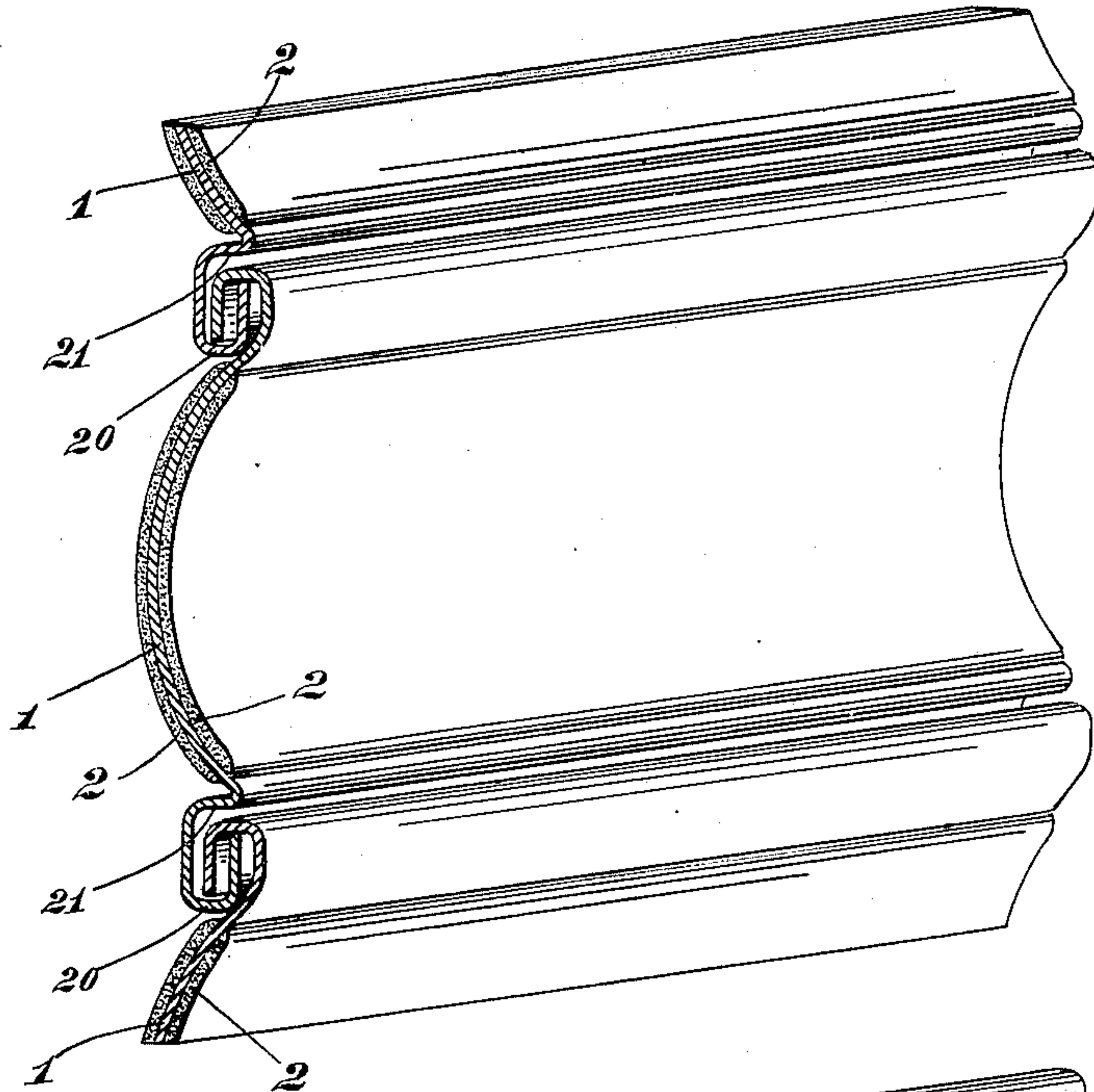


Fig. 1.

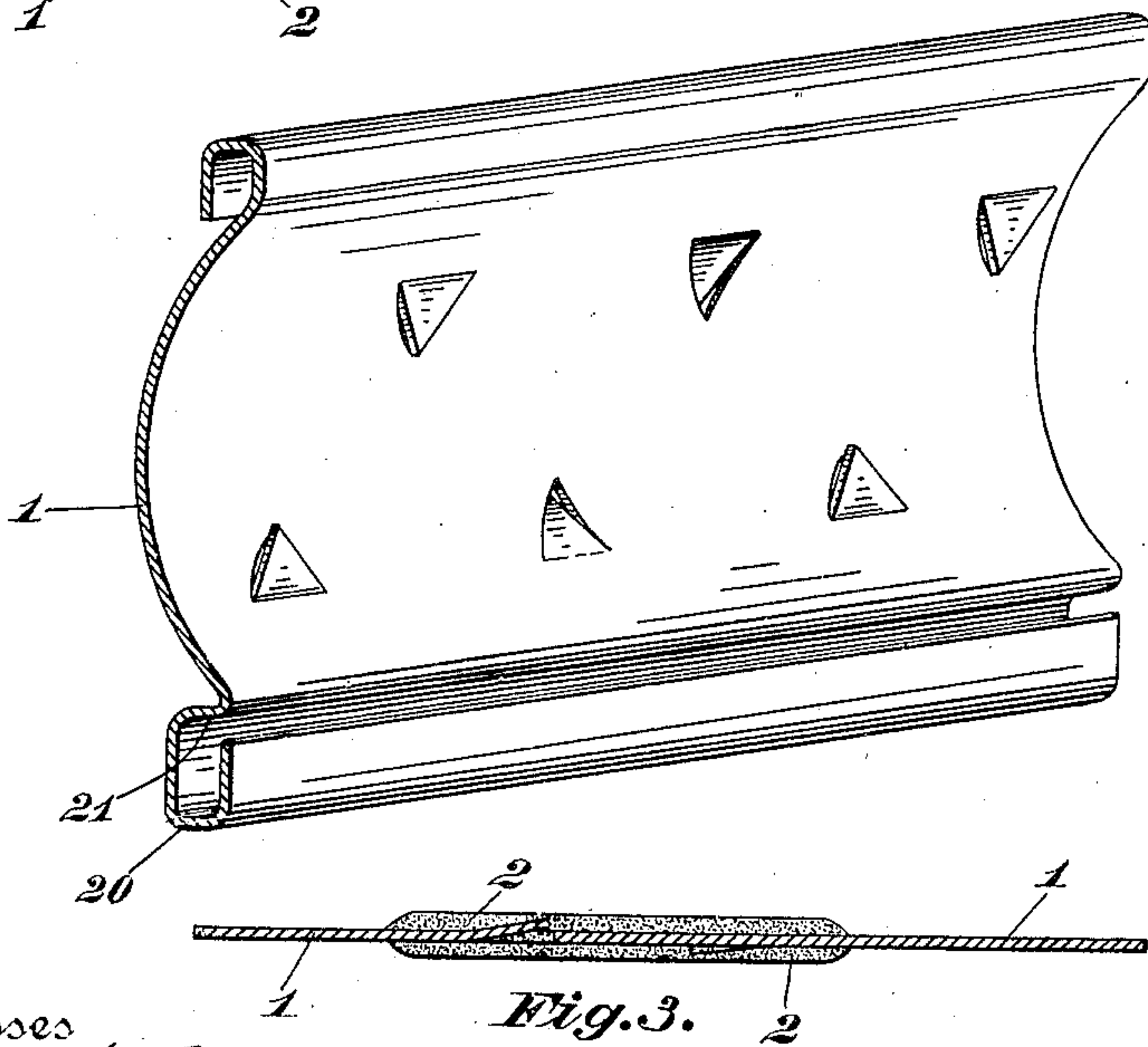


Fig. 2.

Fig. 3.

Witnesses

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UNITED STATES PATENT OFFICE.

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SLAT FOR CONSTRUCTING FIREPROOF BLINDS.

No. 827,676.

Specification of Letters Patent.

Patented July 31, 1906.

Application filed January 31, 1905. Serial No. 243,546.

To all whom it may concern:

Be it known that I, HERMAN E. VANCE, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful Improvements in Slats for Constructing Fireproof Blinds; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The object of this invention is to provide a slat for making up rolling shutters, doors, curtains, and the like through which the radiation or conduction of heat shall be retarded or not be so great as through a curtain in which the slats are wholly of metal.

The invention consists in the improved construction hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of a fraction of these slats, showing an embodiment of the invention. Fig. 2 is a perspective view of the metallic portion of a slat, showing how it can be prepared before the fire-resistant covering or sheathing is applied. Fig. 3 is a transverse sectional view showing another way of preparing the slat and sheathing thereon before it is bent to provide the hooking members.

In the several views, 1 designates the metallic portion of the slat. This portion can be provided at its edges with hooks 20 and shoulders 21, the latter standing across the mouths of the hooks after the manner illustrated in the United States patent to W. R. Kinnear, No. 572,014, dated November 24, 1896, said hooks adapting the slat to be joined to other slats to form the curtain.

To the body of the slat between the shoulders I apply a covering 2, of papier-mâché and asbestos cloth or any other fire-resisting or heat-retarding material that is different from that of the metallic body of the slat for the purpose of retarding or preventing radiation or conduction or convection of heat. The said retardant material can be applied in several different ways. It may be pressed or rolled onto the metallic body of the slat while in a pulpy state, in which case it may at the same time be pressed into open-

ings or into engagement with spurs made in or on the body of the slat, as seen in Fig. 2. The retardant material may be riveted or cemented on. The retardant material can be applied either before or after the hooks and shoulders are formed in the edges of the slat. If applied before the hooks are formed, the retardant material and the slat may first have a cross-section like that seen in Fig. 3, the edges being afterward bent to form jointing hooks and shoulders.

The heat-resisting material can be applied to one side of the slat only with beneficial results.

Some changes can be made without departing from the scope of the invention.

What I claim, and desire to secure by Letters Patent, is—

1. A flexible fire-resisting curtain, composed of a plurality of hinged metallic sections, the surfaces of said sections having secured thereon a material non-conductive of heat.

2. A flexible fire-resisting curtain composed of a plurality of hinged metallic sections, the surfaces thereof being partly covered by a material, non-conductive of heat.

3. In a fire-resisting curtain, a metallic slat provided with means for joining it to other slats and having its body portion provided on its exterior with a heat-resisting material different from that of which the body of the slat is formed.

4. In a fire-resisting curtain, a metallic slat provided with means for joining it to other slats and having its body portion provided with openings and a heat-resisting material different from that of which the body of the slat is formed applied to the exterior of the slat and extending into the openings therein.

5. In a fire-resisting curtain, a metallic slat provided with means for joining it to other slats and having a heat-resisting material different from that of which the slat is constructed applied to its exterior and means for binding the applied material to the slat.

6. In a fire-resisting curtain, a metallic slat provided with means for joining it to other slats, and having a heat-resisting ma-

terial different from that of the material of the metallic body of the slat applied to both its sides.

7. In a fire-resisting curtain, a metallic
5 slat provided with means for joining it to other slats and provided with openings in its body and a heat-resisting material different from that of the material of the metallic

body of the slat applied to both its sides and engaging said openings.

In testimony whereof I affix my signature
in presence of two witnesses.

HERMAN E. VANCE.

Witnesses:

U. R. PETERS,
BENJ. FINCKEL.