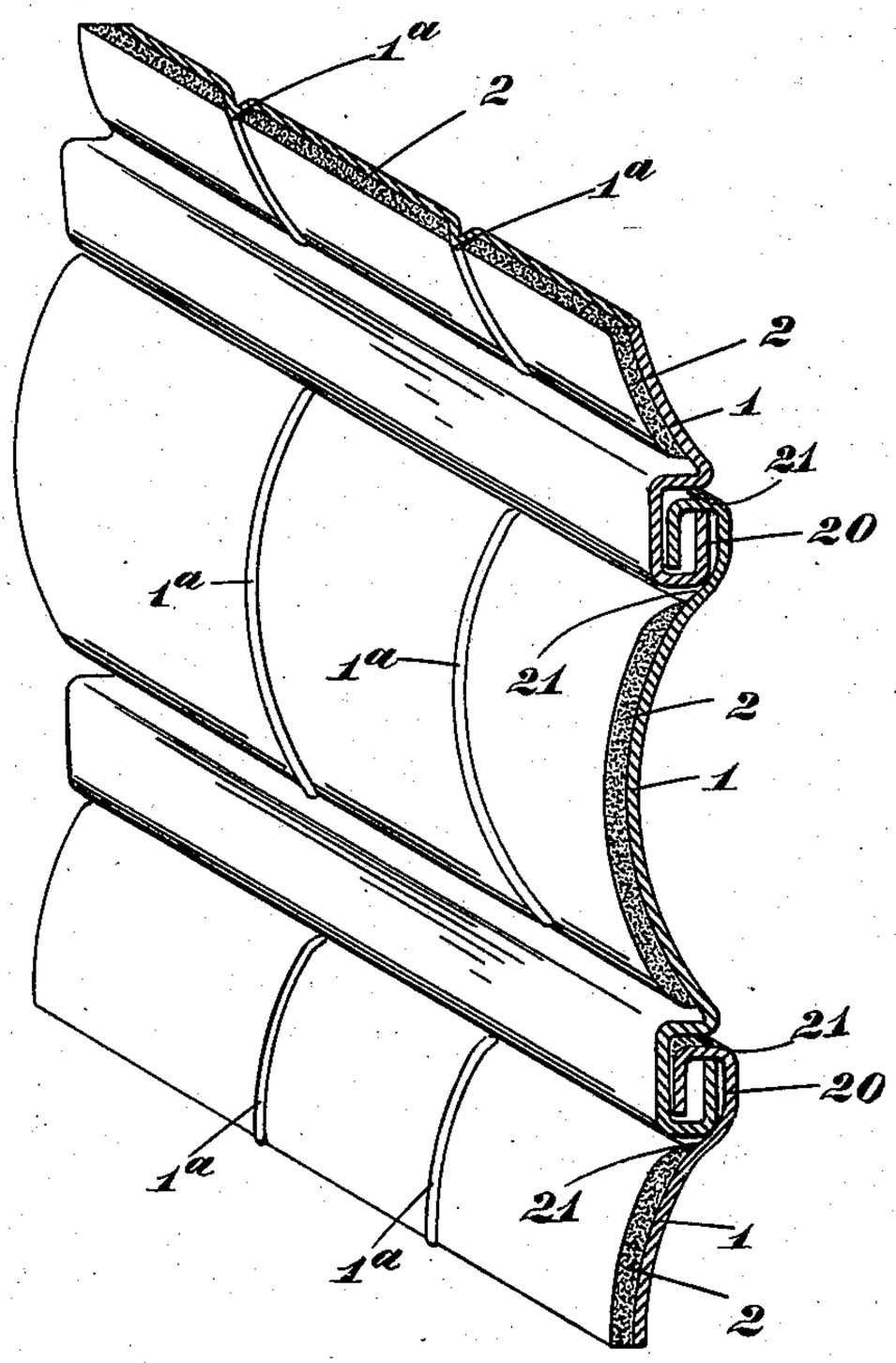
No. 866,894. PATENTED SEPT. 24, 1907.

H. E. VANCE.

FIRE RESISTING CURTAIN.

APPLICATION FILED APR. 1, 1905.

Fig. 1.



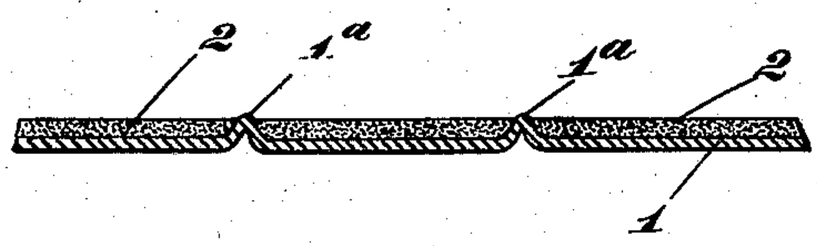


Fig. 2.

Witnesses
Benj. Finckel
Oda E. Kestein

Inventor
Herman E. Vance
by Finckel & Finckel
his Attorneys

UNITED STATES PATENT OFFICE.

HERMAN E. VANCE, OF COLUMBUS, OHIO.

FIRE-RESISTING CURTAIN.

No. 866,894. Specification of Letters Patent. Patented Sept. 24, 1907.

Application filed April 1, 1905. Serial No. 253,346.

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 Fire-Resisting Curtains; 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.

This invention relates to that class of flexible or rolling fire resisting curtains which are made up of metallic slats or sections having sheathings or coatings of non-metallic fire resisting or heat retarding material.

In some instances the resisting or retardent sheathings may be of rather brittle or friable material and it will be important that the impact of the slats upon each other in such a way as to endanger the integrity of the sheathing be prevented.

The object of the present invention therefore is to provide a construction slat and curtain in which contact between the sheathing of a slat and another slat is in large measure or wholly prevented, and the invention is embodied in the construction hereinafter described and claimed, the invention not to be confined to the precise forms shown.

In the accompanying drawings in which is illustrated an embodiment of the invention—Figure 1 is a perspective view of a fraction of a curtain showing also how the slats can be connected; Fig. 2 is a sectional view taken longitudinally through a slat as for example on the line *x*—*x* Fig. 1.

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.

The body of the slat is provided with a series of ribs or projections 1^a. These ribs 1^a are shown transversely struck up or formed in the sheet metal of the slat, but they can be otherwise made. Between the ribs is applied the sheathing or covering 2 which can be of papier mâché, asbestos cloth, or other heat and fire resisting material. The heat or fire resisting material 2 is applied to the slat only to such thickness or depth as will permit the edges of the ribs to lie substantially flush with or project beyond the face of the resisting material so that when one slat lies on another the contact and pressure of the former shall be borne by the ribs of the latter rather than by the fire resisting material thereon. The resisting material on the slats is thus protected from fracture or other injury when the curtain is rolled up.

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

1. A flexible fire resisting curtain embodying a plurality of hinged metallic slats or sections provided with a sheathing or coating of heat resisting material, said slats or sections having projections extending substantially through the outer surface of the coating or sheathing.

2. In a fire resisting curtain, a metallic slat provided with means for joining it to other slats and having its body portion provided with a sheathing of heat resisting material different from that of which the body of the slat is formed and metallic projections extending from the body of the slat substantially through the outer surface of the sheathing.

3. In a fire resisting curtain, a metallic slat provided with means for joining it to other slats and with projections bent up out of the body of the slat, and a sheathing of heat resisting material applied to the body of the slat, said projections extending substantially through the outer surface of the sheathing.

4. In a fire resisting curtain, a metallic slat provided with means for joining it to other slats, and with transverse metallic projections, a sheathing of heat-resisting material on the slat between said projections, said projections extending substantially through the outer surface of the sheathing.

5. In a fire resisting curtain, a curved metallic slat provided with means for joining it to other slats and with metallic projections, a sheathing of heat-resisting material on the slat between said projections, said projections extending from the body of the slat substantially through the outer surface of the sheathing.

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

HERMAN E. VANCE.

Witnesses:
U. R. PETERS,
GEORGE M. FINKEL.