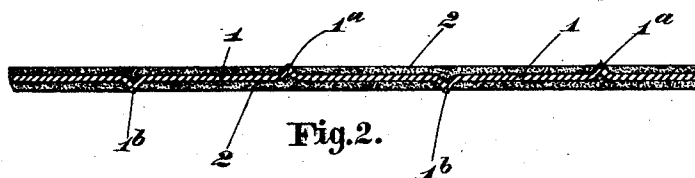
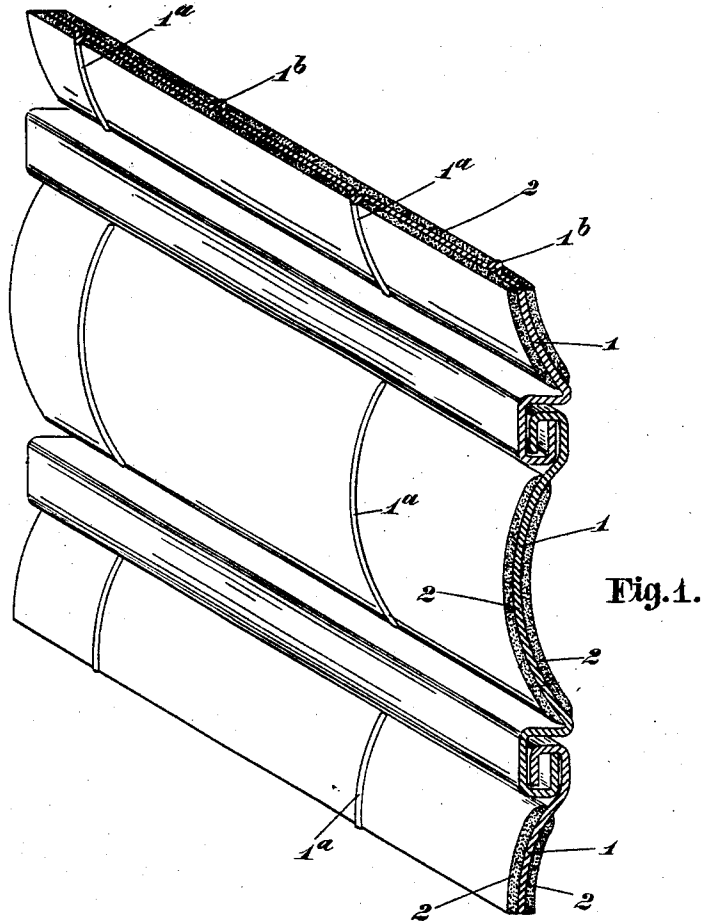


No. 866,830.

PATENTED SEPT. 24, 1907.

H. E. VANCE.
FIREPROOF BLIND.
APPLICATION FILED APR. 8, 1905.



Witnesses
Ray Finckel
Osborne & Peterson

Inventor
Herman E. Vance
by *Finckel* *Finckel*
His Attorneys

UNITED STATES PATENT OFFICE.

HERMAN E. VANCE, OF COLUMBUS, OHIO.

FIREPROOF BLIND.

No. 866,830.

Specification of Letters Patent.

Patented Sept. 24, 1907.

Application filed April 8, 1905. Serial No. 254,560.

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 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.

This invention relates more particularly to that class of flexible or rolling fire resisting curtains which are made up of metallic slats or sections having sheathings or coatings of a material different from that of the metallic portion of the slat adapted to resist or retard the fire and heat and especially the conduction and radiation of heat. In some instances the resisting or retardant sheathings may be of a comparatively brittle or friable nature in which case it will be important that the impact of the slats upon each other in such manner as to menace the integrity of the sheathing be prevented.

The object of the present invention therefore is to provide a construction of slat and curtain in which contact between the sheathing of a slat on another slat is in large measure or wholly prevented, and the invention is embodied in an improved construction for this purpose, the invention not being limited 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 metallic portion can be provided at its edges with any suitable hooks or means for connecting it with other slats or sections. The metallic body portion of the slat is provided with a series of ribs 1^a projecting from one side of the slat and a series of ribs 1^b projecting from the opposite side thereof. These ribs are shown to be struck up or formed in the sheet metal of the slat but they can be otherwise made. The ribs are also shown to extend transverse the length of the slat, and the series of ribs on one side to alternate with those on the other. Between the ribs on each side of the slat is applied the sheathing or covering 2 which can be of papier mâché, asbestos fiber or any other preparation or compound adapted to resist fire

or retard heat. The fire or heat 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 rather than by the sheathing. 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 sheathings or coatings of heat resisting material on both sides, said slats or sections having projections extending from the body of the slat substantially through the outer surface of the coatings or sheathings.

2. In a flexible fire resisting curtain, a metallic slat or section provided with means for joining it to other slats and having its body portion provided on both sides with sheathings of heat resisting material different from that of which the body of the slat is formed and metallic projections extending from both sides of the body of the slat substantially through the outer surfaces of the sheathings.

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 both sides with sheathing of heat-resisting material, and alternating rib-like projections bent up in opposite directions out of the body of the slat and projecting substantially through the surfaces of the sheathings.

4. In a fire resisting curtain, a metallic slat provided with means for joining it to other slats and with projections bent up in opposite directions out of the body of the slat, and sheathings or coatings of heat resisting material applied to the faces of the slat, said projections extending substantially through the outer surfaces of the sheathings.

5. In a flexible fire resisting curtain, a metallic slat provided with means for joining it to other slats and having its body portion provided on both sides with sheathings of heat-resisting material different from that of which the body of the slat is formed, and transverse metallic projections extending from both sides of the body of the slat substantially through the outer faces of the sheathings.

6. In a flexible fire resisting curtain, a curved metallic slat provided with means for joining it to other slats and having its body portion provided on both sides with sheathing of heat-resisting material different from that of which the body of the slat is formed, and metallic projections extending from both sides of the body of the slat substantially through the outer faces of the sheathing.

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

HERMAN E. VANCE.

Witnesses:

ULYSSES R. PETERS,
BENJ. FINCKEL.