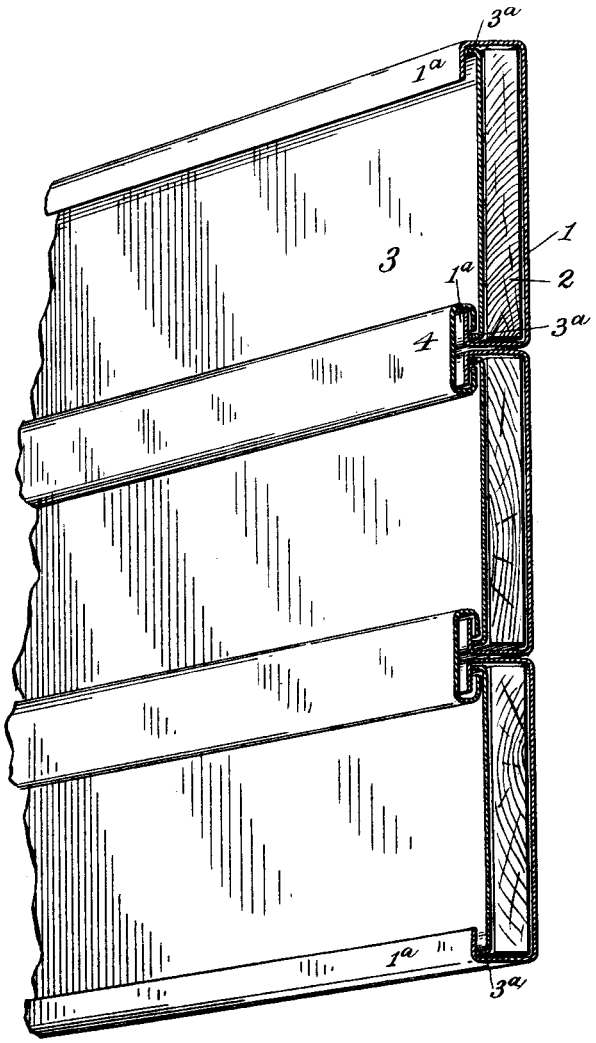
No. 675,954. Patented June 11, 1901.

W. R. KINNEAR.

FIREPROOF BLIND.

(Application filed Oct. 20, 1900.)

(No Model.)



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UNITED STATES PATENT OFFICE.

WILLIAM RAYMOND KINNEAR, OF COLUMBUS, OHIO.

FIREPROOF BLIND.

SPECIFICATION forming part of Letters Patent No. 675,954, dated June 11, 1901.

Application filed October 20, 1900. Serial No. 33,746. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM RAYMOND KINNEAR, 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.

The object of this invention is to provide an improved fire-resisting blind or curtain; and the invention is embodied in a curtain composed of slats of sheet metal formed with a cavity or pocket to contain a fire-resisting medium or heat-resisting medium, said slats having tongues at their upper and lower edges formed out of the sheet metal alone, the tongues of adjoining slats to be engaged by a coupling or locking strip or piece, permitting a hinge-like movement of the slats with respect to each other.

The accompanying drawing, showing one embodiment of the invention, is a view in oblique perspective of a fraction of a curtain or blind.

In the view referred to, 1 designates the outer part of the sheet-metal slat, which, generally stated, when viewed as seen in the drawing is of a reversed flattened **C** form in cross-section. Within the cavity of this piece is placed a filling 2 of wood or other poor conductor of heat, and on the inner side of the said filling is another piece of sheet metal 3, having its edges bent, as shown at 3^a, to form braces between the tongues 1^a of the outer piece 1 and the filling 2. When the slats so formed are placed edge to edge, the adjoining tongues 1^a are coupled by a strip 4 (or several of them) of flattened **C** form, the tongues 1^a entering the cavity of the strip 4. This form of slat and blind is economically made and put together. Such a curtain rolls quite compactly and affords adequate resistance to fire and heat.

By insetting the hooks or tongues 1^a the thickness of the curtain at the joint can be considerably diminished.

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

1. A slat for fireproof blinds and the like comprising a strip of sheet metal bent in the form of a flattened **C** in cross-section to form tongues 1^a, a body of wood or other poor conductor of heat within the cavity of said strip, and a strip of metal 3 having bent edges 3^a covering the inner side of said body of wood or other poor conductor of heat, said edges 3^a bracing the tongues 1^a, substantially as described.

2. A curtain composed of slats formed of a strip of sheet metal bent in the form of a flattened **C** in cross-section to form tongues 1^a, a body of wood or other poor conductor of heat within the cavity of said strip and a strip of metal 3 having bent edges 3^a covering the inner side of said body of wood or other poor conductor of heat, said edges 3^a bracing the tongues 1^a, combined with a supplemental strip of **C** form engaging and locking together the tongues 1^a of adjoining slats, substantially as described.

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

WILLIAM RAYMOND KINNEAR.

Witnesses:
E. S. CAMPBELL,
GEORGE M. FINCKEL.