

J. E. MEEK.
FLEXIBLE FIREPROOF FABRIC.
APPLICATION FILED DEC. 13, 1906.

906,252.

Patented Dec. 8, 1908.

Fig. 1.

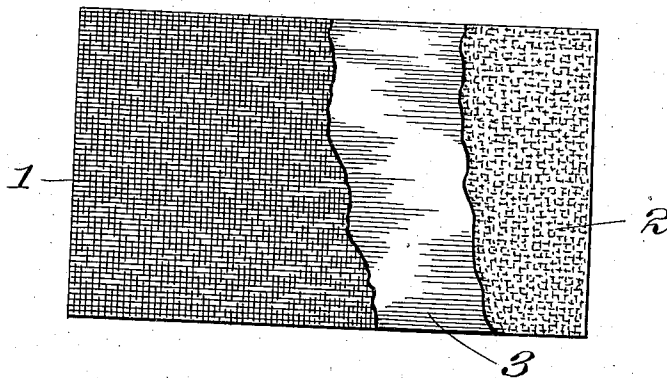
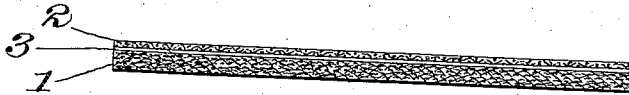


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN EMORY MEEK, OF NEW YORK, N. Y., ASSIGNOR TO H. W. JOHNS-MANVILLE COMPANY,
A CORPORATION OF NEW YORK.

FLEXIBLE FIREPROOF FABRIC.

No. 906,252.

Specification of Letters Patent.

Patented Dec. 8, 1908.

Application filed December 13, 1906. Serial No. 347,639.

To all whom it may concern:

Be it known that I, JOHN EMORY MEEK, a citizen of the United States of America, and a resident of the borough of Manhattan, city, county, and State of New York, have invented certain new and useful Improvements in Flexible Fireproof Fabric, of which the following is a specification.

My invention relates to the insulation of heat and sound and comprises a flexible compound fabric which is fireproof and an effective deadener of sound.

The best form of structure embodying my invention at present known to me is illustrated in the accompanying sheet of drawings, in which:

Figure 1 is a plan view with parts broken away. Fig. 2 is a cross section.

Throughout the drawings, like reference figures indicate like parts.

1 is a strip of flexible, soft, elastic, fireproof felt, preferably formed of fairly long asbestos fiber made in substantially the manner described in Patent No. 497,382, granted to Robert H. Martin May 16, 1893. This felt is fastened to a layer of cloth 2, formed of asbestos fiber. The attachment is by means of any suitable fireproof adhesive substance or cement shown at 3. Preferably silicate of soda or other mineral cement is used as cementing material.

The result is a cheap, strong, flexible, fireproof fabric of any desired thickness which I call ceilinite. The cloth gives it tensile strength and the fireproof felt, which can be made of any desirable thickness, gives it body, and makes it impervious to sound. This fabric is useful as a lining for partitions, ceilings, floors, side walls, etc. and being of mineral or non-combustible composition, is not subject to decay. Nails can be driven through it without injuring it, and it can be readily cut by shears or knife without danger of the edges unraveling.

Having, therefore, described my invention, I claim:

1. A thick, flexible, soft, tough mineral fabric comprising in combination a layer of thick, flexible, soft, elastic asbestos felt and a layer of woven asbestos cloth, the two being fastened together with a mineral cement.

2. A thick, flexible, soft, tough mineral fabric comprising in combination a layer of thick, flexible, soft, elastic asbestos felt and a layer of woven asbestos cloth, the two being fastened together by silicate of soda.

Signed at New York, N. Y. this 11th day of December 1906.

JOHN EMORY MEEK.

Witnesses:

THOS. T. LYMAN,
CHARLES W. GEARHART.