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1,611,031

T. HENDERSON

COMPOUND FABRIC

Filed May 31, 1924

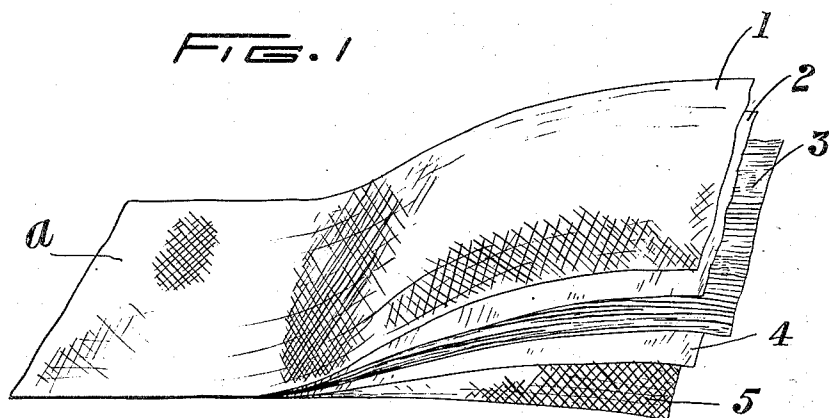
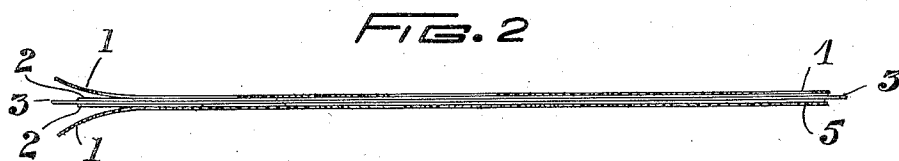
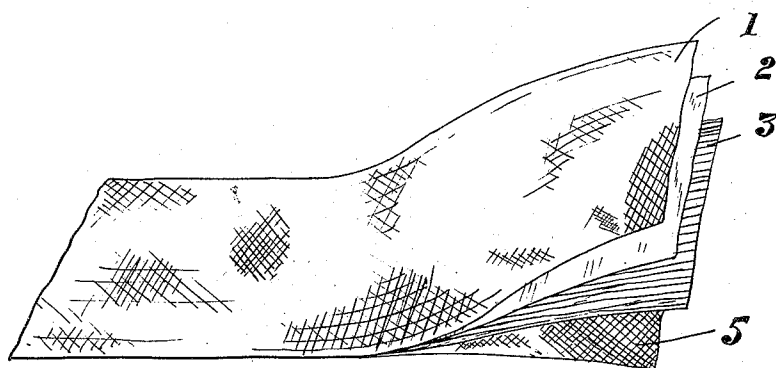


FIG. 3

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UNITED STATES PATENT OFFICE.

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COMPOUND FABRIC.

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This invention relates to a compound material of that kind which comprises layers of lead or other metal foil and a flexible material for protecting same.

5 My improved material is particularly designed for resisting the actinic rays of the sun and for employment in the manufacture of tents, awnings, screens, sun-shades and coverings for the like.

10 It is known that an ordinary fabric material will resist or partly resist rays of light but is pervious to actinic rays with the result that the said awnings or screens will reduce the light but are not proof
15 against heat or actinic rays and therefore afford but little protection in tropical countries.

In addition to the heat and actinic resisting properties my material is also rendered
20 waterproof and is flexible so that it can be easily rolled or folded and thereby rendered portable so that its employment for many purposes is possible.

Briefly the improved material consists of
25 a layer of thin thread fabric preferably previously waterproofed overlying at one or both sides a layer of lead or other metal foil which is supported by thin paper on one or both sides, said paper being preferably at-
30 tached to the foil by waterproof adhesive. The fabric may be secured to the paper through the use of any suitable adhesive.

My invention is illustrated in the accompanying drawings, in which, Fig. 1 shows a
35 piece of the compound material *a* the sev-

eral layers 1, 2, 3, 4, and 5 of which are laid together in the finished article on the left hand side and are shown separated on the right hand side.

Fig. 2 shows, on larger scale, an edge of 40 a like piece of material with the outer layers separated from the central layers on the left hand side. Like reference numerals are used in these two drawings.

Fig. 3 shows a piece of material similar 45 to that shown in Fig. 1, but with the layer 4 omitted. In these drawings, the outer layers 1 and 5 are thin thread fabric, 2 and 4 are thin paper and 3 is the layer of metal foil.

50 What I claim is:—

1. A compound fabric for use as a cover protection against both the light and heat rays of the sun, comprising an intermediate layer of a material which is resistive to the 55 penetration of the heat rays of the sun, a thin paper layer secured to each side of the intermediate layer, and an outer layer of a material resistive to the light rays of the sun secured to each thin layer.

60 2. A compound fabric for use as a cover protection against both the light and heat rays of the sun, comprising an intermediate layer of thin metal foil, a thin paper layer secured to each side of the metal foil, 65 and a cloth fabric layer secured on each thin paper layer.

In testimony whereof I have signed my name to this specification.

TURNER HENDERSON.