

(No Model.)

O. A. SMITH & F. L. KANE.

READY MADE ROOFING FELT OR OTHER MATERIAL.

No. 259,228.

Patented June 6, 1882.

Fig: 1,

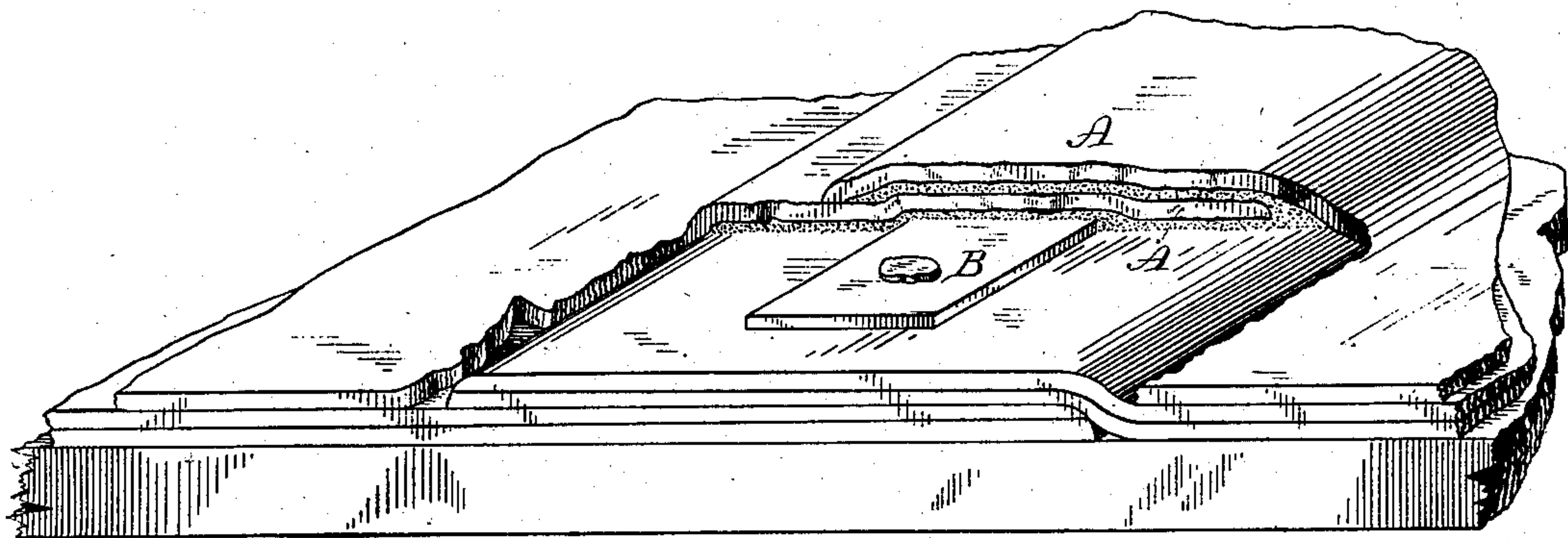
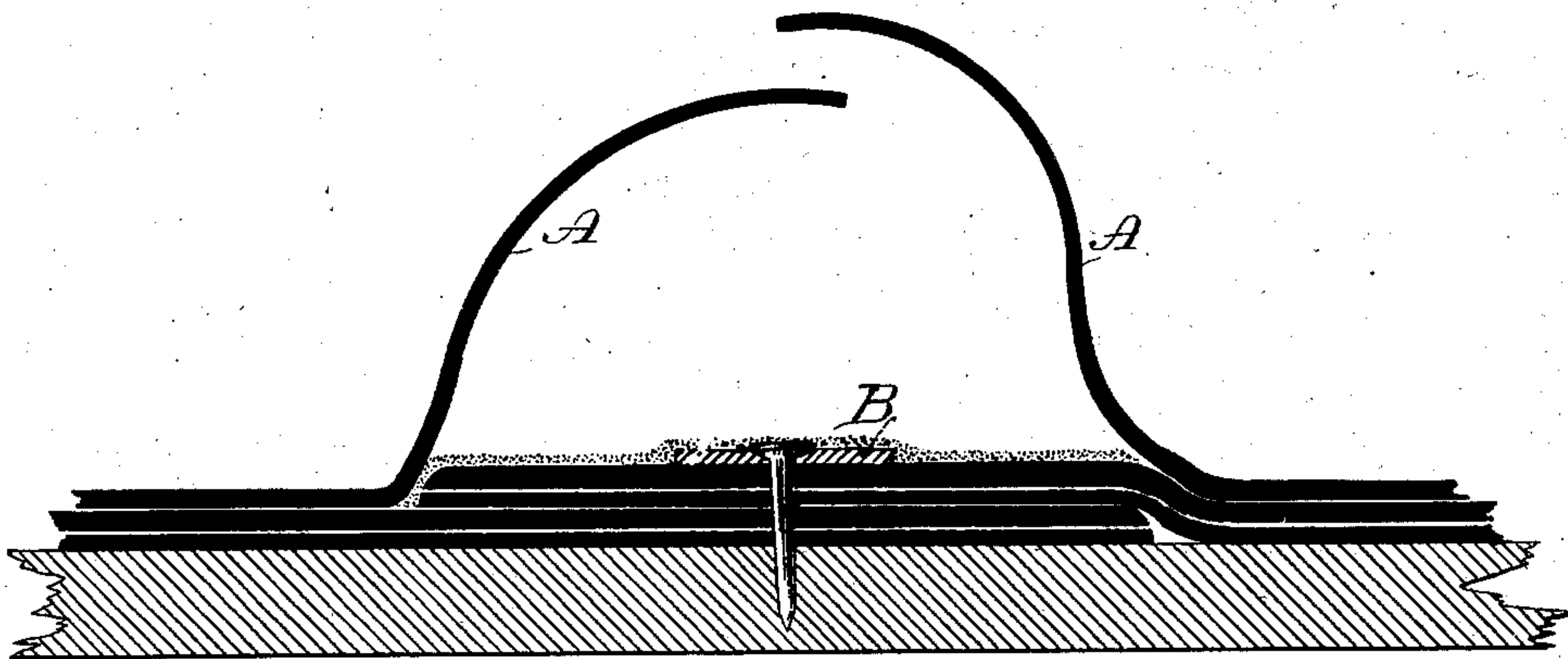


Fig: 2,



WITNESSES

Wm A. Skinkle.
Ernest Abshagen.

INVENTORS

O A Smith
Fredrick L Kane

UNITED STATES PATENT OFFICE.

OZIAS A. SMITH, OF ATLANTA, GEORGIA, AND FREDERICK L. KANE, OF
BROOKLYN, NEW YORK.

READY-MADE ROOFING-FELT OR OTHER MATERIAL.

SPECIFICATION forming part of Letters Patent No. 259,228, dated June 6, 1882.

Application filed March 23, 1882. (No model)

To all whom it may concern:

Be it known that we, OZIAS A. SMITH, of the city of Atlanta, in the county of Fulton and State of Georgia, and FREDERICK L. KANE, of the city of Brooklyn, county of Kings, and State of New York, have invented a new and useful Improvement in Prepared or Ready-Made Roofing-Felt, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a perspective view of a prepared or ready-made roof with our lapped joint; and Fig. 2, a sectional view of the same, showing the laps before being cemented down.

The object of our invention is to furnish a prepared or ready-made composition roofing, the joints or laps of which may be made with less expense of labor and material and afford greater protection from leakage than the methods now usually employed in making prepared or ready-made composition roofings, and making the joints or laps of same when applied to the roof of a building.

The various prepared or ready-made roofings now in use consist of two or more thicknesses or layers of saturated felt paper or cloth, or both, cemented solidly together with bituminous cement, and are put up in rolls, which are portable, and in the application of same to roofs of buildings these roofing-felts, which are solidly cemented together from edge to edge, are lapped about two inches at the joint, and there secured by large-headed tacks or nails driven through metal buttons. This lap, as also the heads of the tacks or nails, has no further protection against leakage than the final coating or paint with which the roofing is finished.

Our invention consists in a prepared or ready-made roofing composed of two or more thicknesses of saturated felt paper or cloth, or both, which are solidly cemented together with any suitable water-proof flexible adhesive compound, excepting at the outer edges of the layer or layers of felt paper or cloth, for a width of about two and one-half inches at one or both edges. The uncemented edges or laps are shown in the drawings A A, and may be

made in the process of manufacturing the roofing by passing a narrow strip or strips of thin non-adhesive felt paper or cloth in between the edges of layers to be separated and the cementing material, or by any suitable device scrape off at the edges for a width of about two and one-half inches the material employed in cementing the sheets together, or by any contrivance which will confine the cementing material to that part of the surfaces intended to be solidly cemented together.

In applying this improved prepared or ready-made roofing, as shown in the drawings, the uncemented edges of the layers A A are turned back, as shown in the sectional figure of the drawings, and the other layer or layers are lapped at the edges in the usual manner, and there secured by large-headed tacks or nails driven through the strip of tin or metal B, or a strip of wood or tin buttons. Then the joint so made is coated with any suitable water-proof flexible adhesive cement or coating. Then one of the laps is turned down and its top surface is coated, on which the other lap is turned down, and so on according to the number of laps, the whole joint being thereby solidly cemented and made water-tight independent of the final coating or paint usually employed in finishing prepared or ready-made roofings.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

A prepared or ready-made roofing consisting of sheets of felt paper or cloth, or both, cemented together solidly except at one or both of the edges of the upper layer or layers, substantially as set forth, and for the purposes described.

OZIAS A. SMITH.

FREDERICK L. KANE.

Witnesses as to signature of Ozias A. Smith:

CHAS. WIGHT,

P. J. SCHUMANN.

Witnesses as to signature of Frederick L. Kane:

J. H. HUME,

GEO. E. LETSON.