

No. 813,163.

PATENTED FEB. 20, 1906.

W. J. MOELLER.
READY MADE ROOFING.
APPLICATION FILED APR. 18, 1904.

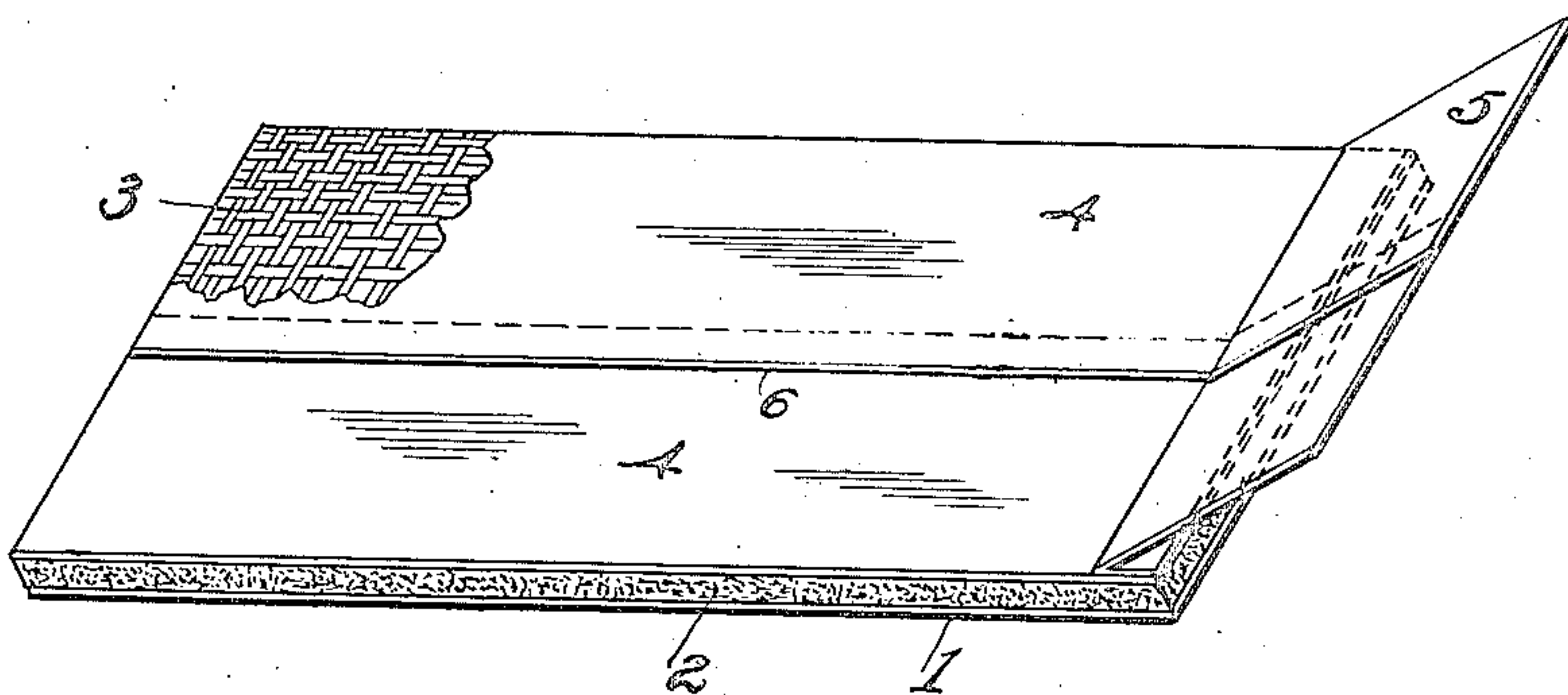


Fig. 1.

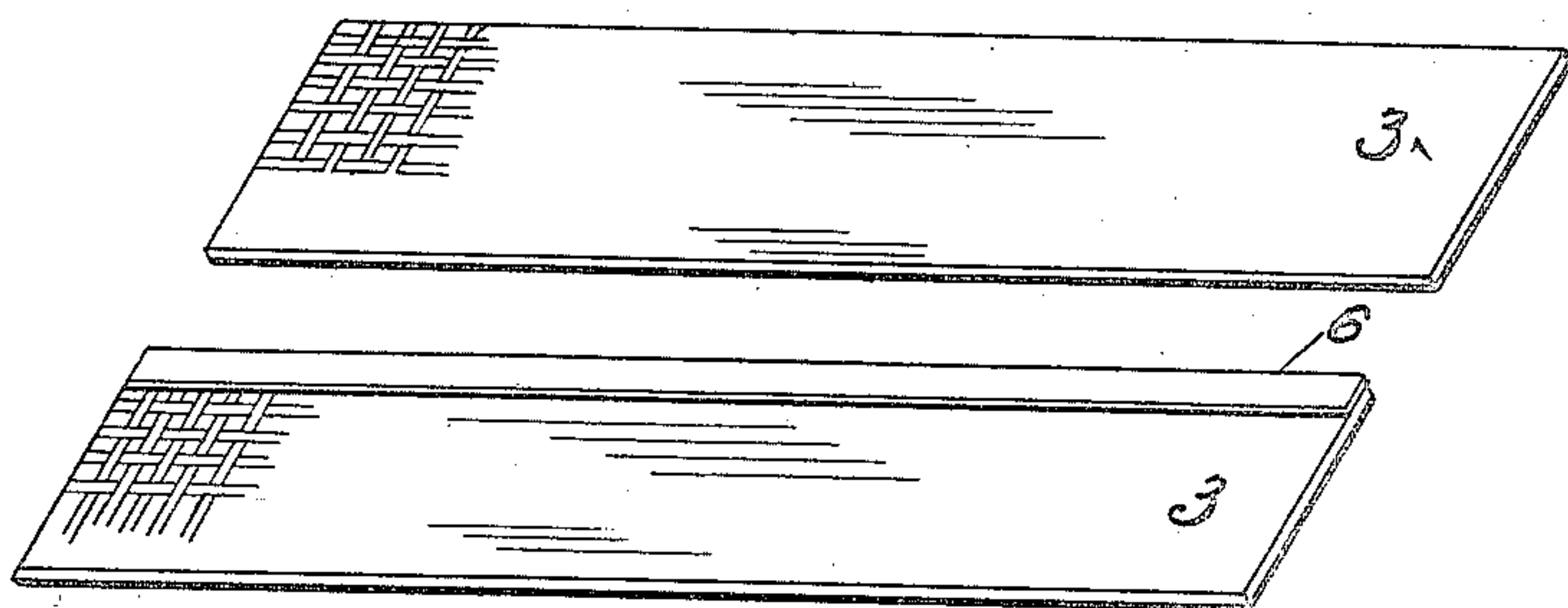


Fig. 2.

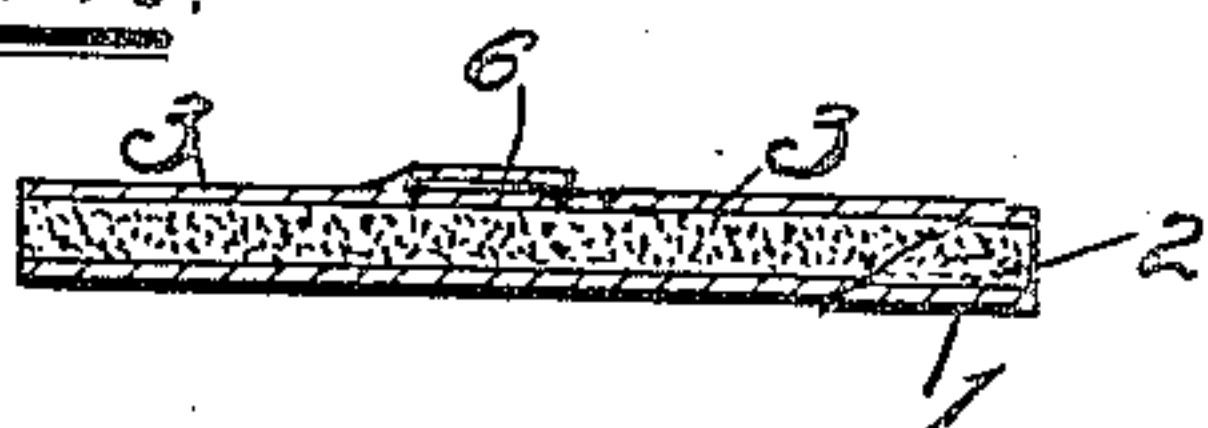


Fig. 3.

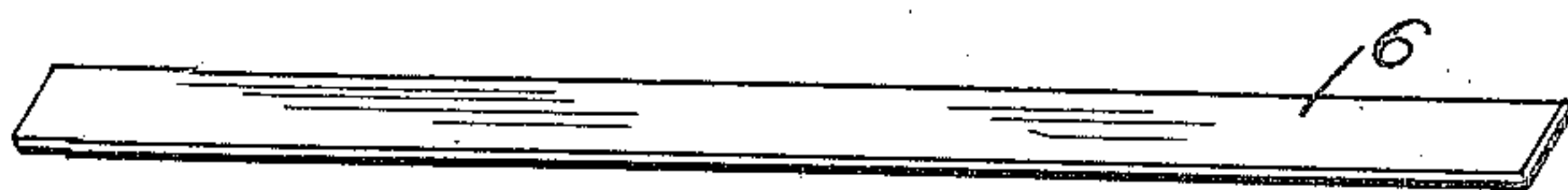


Fig. 4.

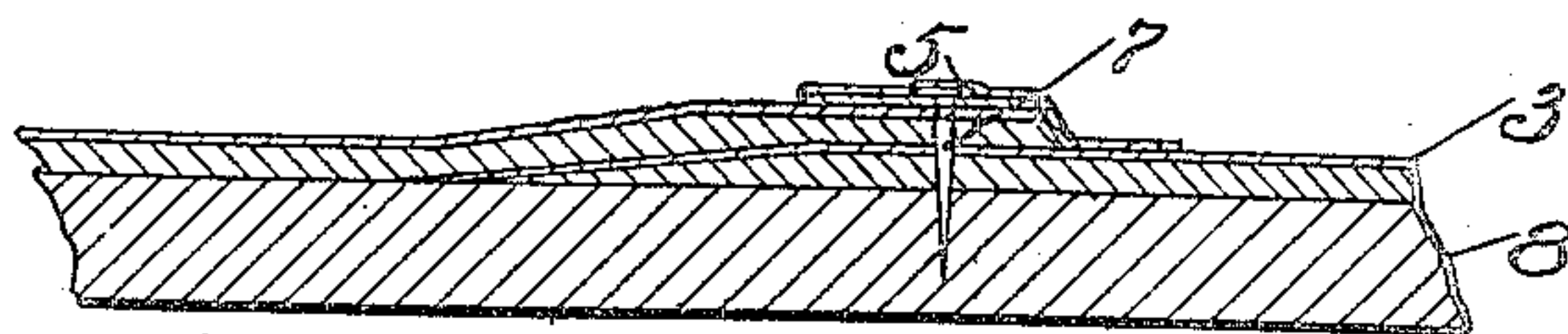


Fig. 5.

WITNESSES.
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UNITED STATES PATENT OFFICE.

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READY-MADE ROOFING.

No. 813,163.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILLIAM J. MOELLER, a citizen of the United States, residing at Hartwell, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Ready-Made Roofing, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to that class of roofing known as "ready-made" roofing, usually consisting of a body portion of cement of about one-eighth of an inch in thickness, having a bottom layer of paper and a top layer of burlap embedded in the top surface of the cement. This is made up into rolls in the factory ready to be taken out and to be applied to roofs as the occasion requires. In making roofing of this character it is the practice to make it in a long continuous web in the special machinery provided for that purpose and then to cut it into lengths, each of which constitutes a separate roll of a predetermined length. The burlap, which is embedded in the top of the cement body portion is procured in bales, each containing a number of separate pieces of varying lengths, and these, while of the same width as the finished roll or of approximately the same width, have to have their ends cut, overlapped, and united before being applied to the cement body portion. This joint of the edges of the burlap has heretofore been made by sewing the overlapped edges together; but owing to the very loose and sleazy character of the material and under the stretching required to make the same lie smooth and even upon the cement body portion the seams frequently tore loose in whole or in part, thus necessitating the severing of the entire web for some distance on each side of the joint and forming a new joint of all the parts, which not only entailed a considerable loss of material, but was a waste of time, or if this new joint was not formed the burlap would buckle up and not lie smooth upon the cement portion, and a very imperfect job would be the result.

The chief object of my present invention is the provision of a very simple and efficient cement joint for the overlapped edges of the burlap, which will not tear loose and which insures the perfectly straight and smooth running of the burlap from its roller in the

machine upon the cement body portion without any loss of time or waste of material.

The novelty of my invention will be hereinafter more fully set forth, and specifically pointed out in the claim.

In the accompanying drawings, Figure 1 is a perspective detail of a portion of the roofing-web, including a joint made by the overlapping and cementing of the burlap in accordance with my present invention. Fig. 2 is a corresponding view, showing the two ends of the burlap with the cement strip in place and the parts ready to be united. Fig. 3 is a longitudinal section in detail through the web or roofing-strip at the joint where the edges of the burlap are overlapped and united. Fig. 4 is a perspective view of the cement strip. Fig. 5 is a sectional detail at the joint where one strip of the roofing is overlapped and secured upon the next one below it.

The same numerals of reference are used to indicate identical parts in all the figures.

In the drawings, 1 represents the base or bottom strip of tar-paper or other suitable material of the width of each roll, upon which is poured in an even layer the cement body portion 2, which covers the same to a uniform depth in its passage through the suitably-constructed machine adapted to constructing roofing of this character, and 3 is the burlap which is applied on top of the cement body portion and is lightly embedded in the same and over which is finally sprinkled a coating or layer of magnesia or other fireproof fiber to complete the roofing.

I prefer in its general construction to have the roofing constructed like that of Patent No. 636,022, of October 31, 1899, issued to my present assignee, The Philip Carey Manufacturing Company, and in which the burlap was extended on one side of the web, was turned back upon the same at the edge to receive the fastening-nails 7, Fig. 5, and was then folded back over the heads of the nails and overlapped the underlying strip of roofing material, as clearly indicated in Fig. 5, where 8 represents the roof.

Now referring more particularly to Figs. 2, 3, and 4, the benefit of my present invention will be readily understood from the following description: For each joint of the burlap where it is overlapped at its meeting edges I insert an adhesive strip of rubber-tape 6,

which comes between the overlapped portions, as seen in Fig. 3, and, all the parts being dry, permits the joint thus made to be evenly laid with the outer edges of the burlap in perfect alignment, and then by passing a heated iron or roller over the overlapped portions of the burlap and the interposed strip of rubber-tape the latter is sufficiently melted to form a close and tight joint which cannot be pulled loose in whole or in part, as in the case of sewing the edges of the burlap together, and all waste of material is thereby prevented and a perfect and even web of burlap is provided to overlie the cement body portion and be embedded therein without any creases or wrinkles, as will be readily understood.

Having thus fully described my invention, I claim—

A ready-made roofing consisting of a base portion, a cement body portion overlying the same, and a burlap portion partially embedded upon the top of the cement body portion, the transverse joints of said burlap portion being united by an adhesive cement strip interposed between the overlapping ends thereof, substantially as and for the purpose specified.

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Witnesses:

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