

M. A. BROWN.
RETICULATED SHEET PACKING MATERIAL.
APPLICATION FILED JAN. 13, 1910. RENEWED JAN. 11, 1911.

1,002,132.

Patented Aug. 29, 1911.

FIG. 1

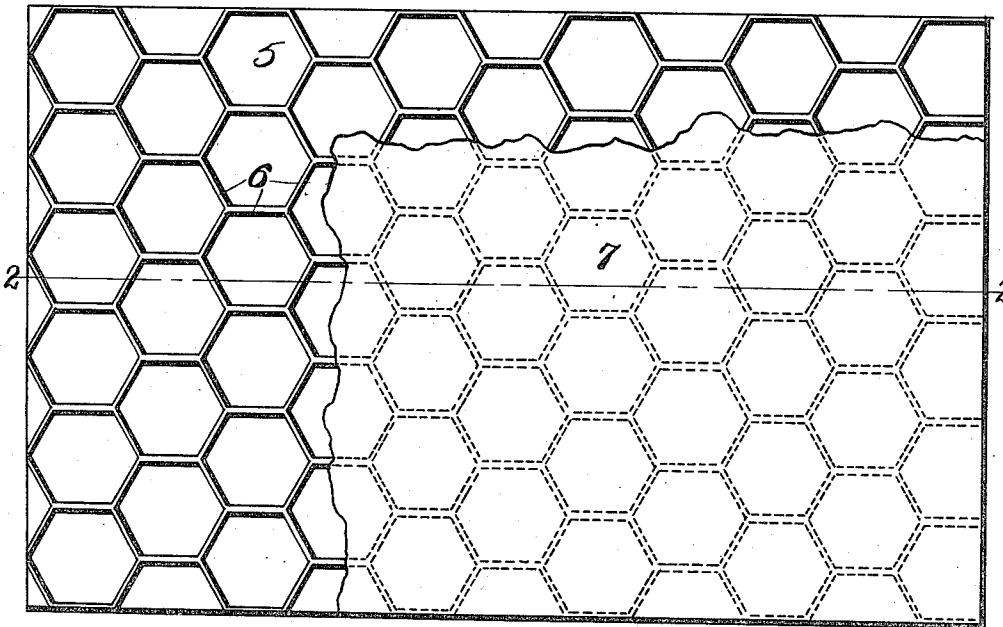


FIG. 2

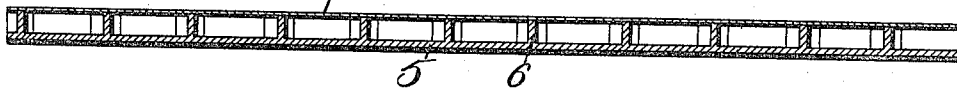


FIG. 3

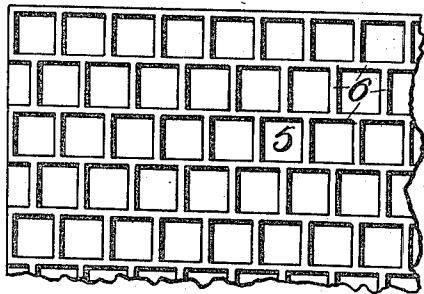
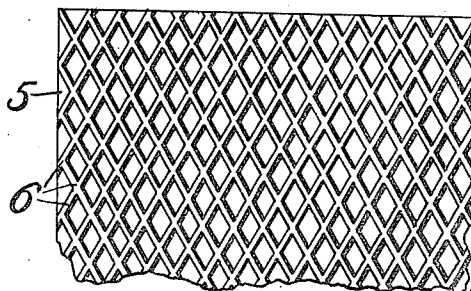


FIG. 4



Witnesses
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UNITED STATES PATENT OFFICE.

MARCUS A. BROWN, OF ST. LOUIS, MISSOURI, ASSIGNOR TO M. A. BROWN PAPER BOX COMPANY, A CORPORATION OF MISSOURI.

RETICULATED-SHEET PACKING MATERIAL.

1,002,132.

Specification of Letters Patent.

Patented Aug. 29, 1911.

Application filed January 13, 1910, Serial No. 537,964. Renewed January 11, 1911. Serial No. 602,096.

To all whom it may concern:

Be it known that I, MARCUS A. BROWN, a citizen of the United States, and resident of St. Louis, Missouri, have invented certain new and useful Improvements in Reticulated-Sheet Packing Materials, of which the following is a specification.

My invention relates to an improved reticulated sheet packing material, and has for its object to provide a protective sheet of fibrous material, such as paper, having upon one of its surfaces a symmetrical network of ridges formed integral with the sheet itself.

In the drawings—Figure 1 is a top plan view of a device embodying my invention, showing a portion of the covering sheet in place. Fig. 2 is a longitudinal sectional view of the same taken on the line 2—2 of Fig. 1. Figs. 3 and 4 are plan views of modified forms of the device of my invention.

As shown in the drawings, the device of my invention comprises a foundation sheet 5 upon which the integral reticulated web 6 is formed, its reticulations being symmetrical, and the web being of any desired depth. The flexibility of the sheet of packing material will be governed by the fineness of the reticulated web 6 and the size of its reticulations.

Over the surface of the web 6 a covering sheet 7 may be used when it is desired to use the material in making containers; by employing a water-proof sheet 7, the material is particularly adaptable for use in making cartons. The sheet 7, however, is not indispensable, as the sheet 5 with its reticulated web 6 forms a packing sheet which may be used either for flat packing or as a protective covering for glass and other fragile structures.

The material of my invention is also suitable for use as insulating material and its cellular structure renders it an effective packing for thermal purposes, such as in lining frame building houses, ice boxes, refrigerator cars and the like.

Having thus fully described my invention, what I claim as new and desire to have secured to me by the grant of Letters Patent, is:

1. As a new article of manufacture, a reticulated sheet packing material comprising a foundation sheet and a reticulated symmetrical web upon one of the surfaces of said sheet and integral with said sheet and a waterproof sheet secured to the top of the web, substantially as described.

2. As a new article of manufacture, a reticulated sheet packing material comprising a foundation sheet of fibrous material and a reticulated symmetrical web of the same material upon one of the surfaces of said sheet and integral with said sheet and a waterproof cover placed on the top of the web, substantially as described.

3. As a new article of manufacture, a foundation sheet, webs projecting from said foundation sheet at right angles thereto and formed integral therewith; said webs forming cells on the surface of the foundation sheet; and a waterproof covering placed over the tops of the cells, substantially as specified.

In testimony whereof, I have signed my name to this specification, in presence of two subscribing witnesses.

MARCUS A. BROWN.

Witnesses:

ALFRED A. EICKS,
WALTER C. STEIN.