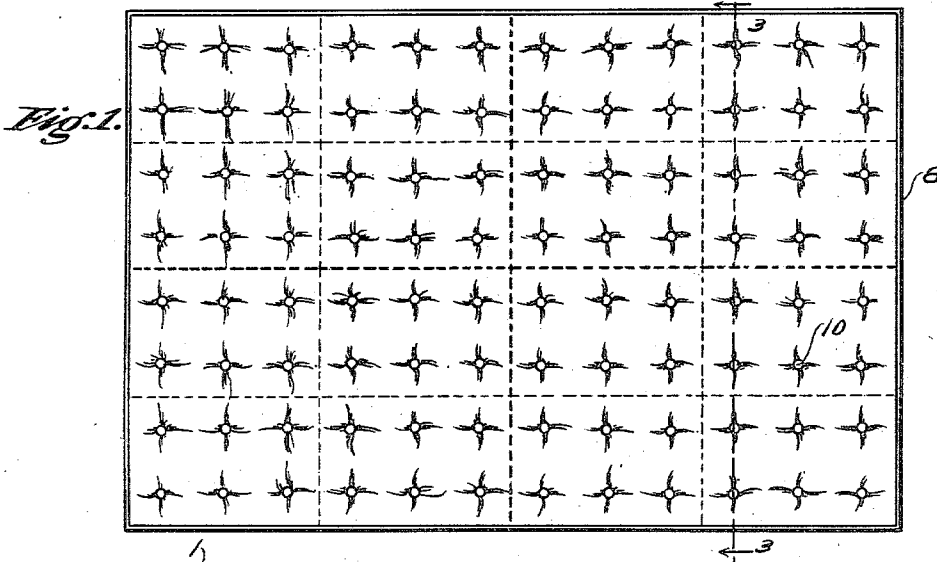
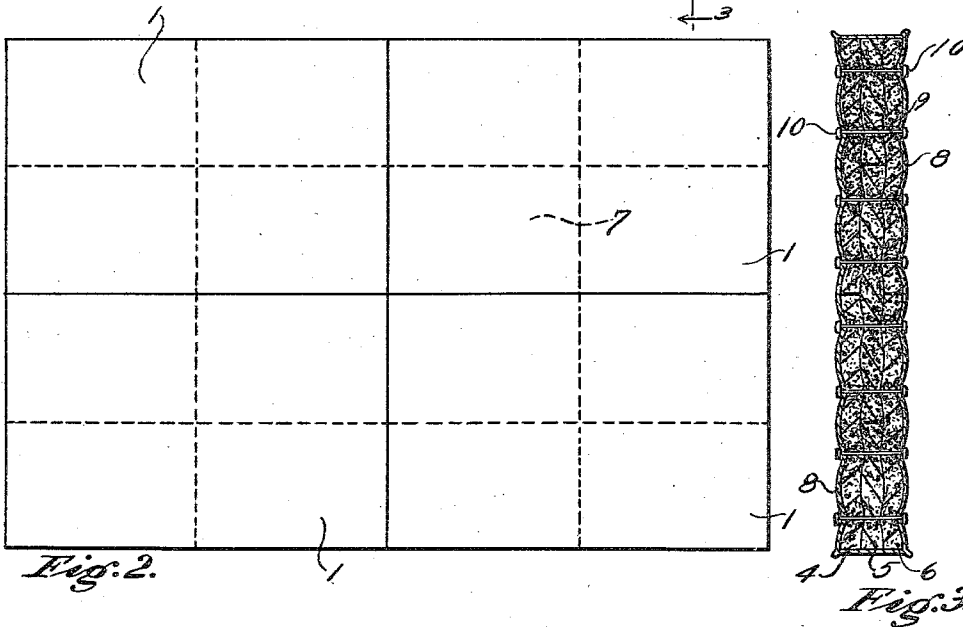
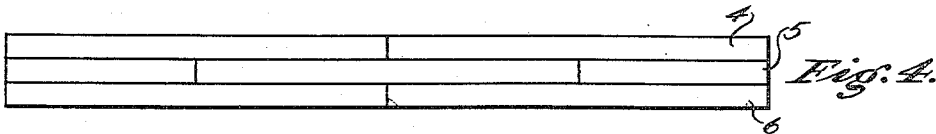


No. 752,147.

PATENTED FEB. 16, 1904.

M. L. DERICK.
SPONGE RUBBER MATTRESS.
APPLICATION FILED OCT. 27, 1902.

NO MODEL.



Witnesses:

Rudow Rummel
Blanche Michael.

Inventor:
Myron Lloyd Derick,
by Rummel & Rummel
his Attorneys.

UNITED STATES PATENT OFFICE.

MYRON LLOYD DERICK, OF CHICAGO, ILLINOIS.

SPONGE-RUBBER MATTRESS.

SPECIFICATION forming part of Letters Patent No. 752,147, dated February 16, 1904.

Application filed October 27, 1902. Serial No. 128,956. (No model.)

To all whom it may concern:

Be it known that I, MYRON LLOYD DERICK, a citizen of the United States of America, and a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Sponge-Rubber Mattresses, of which the following is a specification.

The main objects of my invention are to provide an improved comparatively inexpensive sanitary mattress, to combine in a mattress the properties of resiliency and uniformity of support, and to provide for suitably constructing such mattress with slabs of sponge-rubber which can be readily combined to make mattresses of different sizes and which can be readily separated for thorough cleaning of the structure. I accomplish these objects by the device shown in the accompanying drawings, in which—

Figure 1 is a top plan of a mattress constructed according to my invention. Fig. 2 is a top diagrammatic plan of the same with the cover of fabric removed to show the arrangement of the parts in the interior of same. Fig. 3 is a transverse section on the line 3 3 of Fig. 2. Fig. 4 is a side diagrammatic elevation of the parts shown in Fig. 2.

In the form shown the mattress consists of a plurality of slabs of sponge-rubber arranged in a plurality of layers 4, 5, and 6. The layers 4 and 6 each consist of four slabs 1, arranged as shown by the full lines in Fig. 2. The inner layer 5 consists of nine slabs, arranged as indicated by the dotted lines to break joints with the slabs in the layers 4 and 6. The central slab 7 in the layer 5 is of the same size as the slabs 1 in the layers 4 and 6. The remaining slabs of the layer 5 are halves and quarters of the slabs 1. The rubber parts of the mattress are surrounded by a covering 8 of suitable textile fabric. The three layers of rubber and the covering 8 are all secured together and quilted by a plurality of stays or cords 9, arranged as shown in Fig. 1, and connected with suitable buttons 10 on the upper and lower faces of the mattress.

Each slab is constructed of sponge-rubber, and when molded in the usual manner will when taken from the mold have all of its outer surfaces covered by a continuous film of rubber of denser structure than the interior of the slab. I prefer to cut off such film, so as to make the slabs more porous and resilient at their outer surface.

The mattress may be cleaned by immersing same in boiling water or an antiseptic solution. The nature of the material and structure of the mattress permits this to be done without separating the slabs or removing the cover. If a more thorough renovation is desired, the parts may be separated by removing the stays 9. The quilting of the mattress serves to hold the slabs together, to make the general structure more rigid, and to provide for air-spaces between the mattress and the body of the user, such as are now provided in other quilted mattresses and upholstery, such air-spaces being in addition to the air-spaces provided by the porousness of the slabs.

It will be seen that some of the details of the construction shown may be altered without departing from the spirit of my invention. I therefore do not confine myself to such details except as hereinafter limited in the claim.

What I claim as my invention, and desire to secure by Letters Patent, is—

As an article of manufacture, a mattress comprising a plurality of layers of sponge-rubber surrounded by a covering of textile fabric, each of said layers consisting of a plurality of slabs with abutting joints, the slabs of one layer being arranged so as to break joints with those of the next succeeding layer, substantially as described.

Signed at Chicago this 22d day of October, 1902.

MYRON LLOYD DERICK.

Witnesses:

EUGENE A. RUMMLER,
WM. R. RUMMLER.