

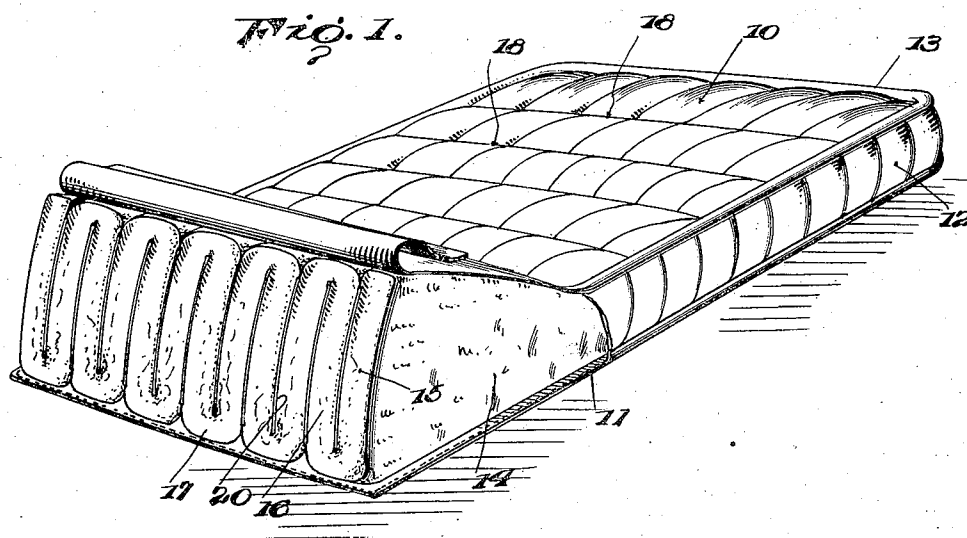
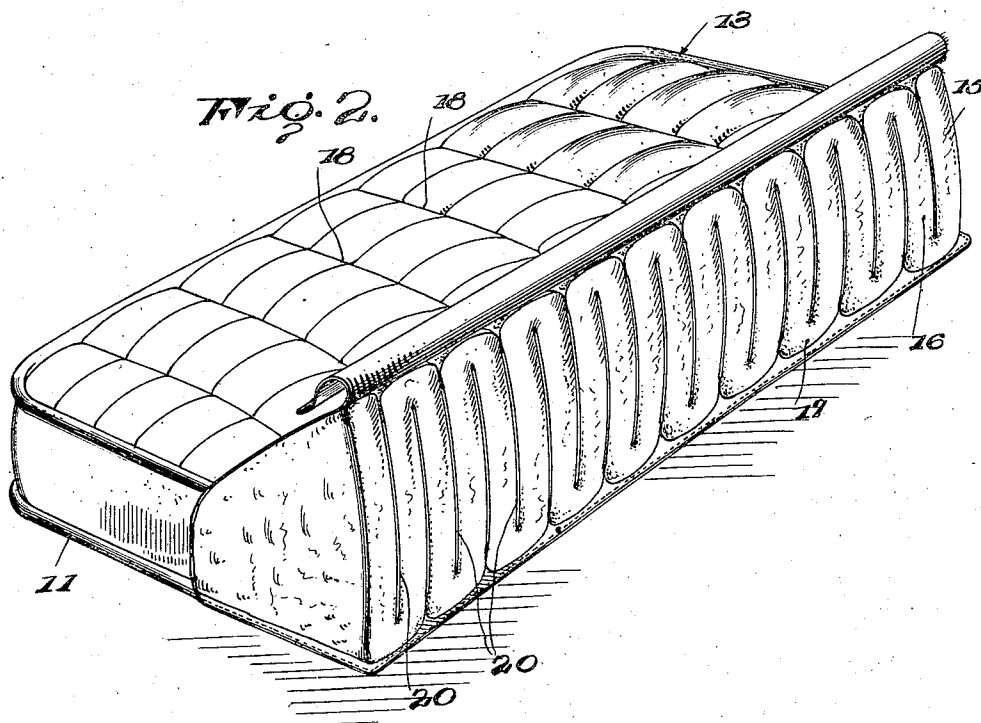
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J. I. MORGAN

MATTRESS

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INVENTOR
J. I. Morgan.
BY *Miner Geo.*
ATTORNEYS

UNITED STATES PATENT OFFICE.

JOHN IRVIN MORGAN, OF FARMVILLE, NORTH CAROLINA.

MATTRESS.

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This invention relates to a mattress, and has for its object the provision of a mattress in which the fibers are placed in substantially perpendicular manner to the cover so that a greater resiliency will be had with the consequent elimination of a ready packing of the felt.

A further object of the invention is the provision of a mattress in which the felt is folded in a continuous manner so that the fibers of the felt will be placed at substantially a right angle to the pressure applied thereon with sheets of paper or other flexible material located between a pair of layers of felt, the construction requiring less felt in the manufacture with a consequent increase of the elasticity or resiliency while permitting for a better circulation of air when the mattress is not in use.

This invention will be best understood from a consideration of the following detailed description, in view of the accompanying drawings forming a part of the specification; nevertheless it is to be understood that the invention is not confined to the disclosure, being susceptible of such change and modifications which shall define no material departure from the salient features of the invention as expressed in the appended claim.

Figure 1 is a view in perspective of a mattress with the cover partly removed disclosing the folded felt, and

Figure 2 is a fragmentary view in perspective of a mattress constructed in accordance with the principles of my invention and in which the felt is shown as folded at right angles to the direction of the fold disclosed in Figure 1.

Referring to the drawings 10 designates the top portion of a cover and 11 designates the bottom. The top and bottom portions of the cover are connected together by a side wall 12 which is corrugated in the usual manner as is the top and bottom. A bedding 13 is formed in the customary manner along the periphery of the top and bottom portion of said cover. The cover is made of any fabric suitable for the purpose and which is ordinarily employed in the manufacture of the mattress. The filling,

as indicated at 14, consists of a continuous piece of felt folded upon itself by any mechanical means to provide vertically disposed sections 15 and 16. Each of the sections are of a predetermined thickness and a sufficient number are laid in folded relation or in juxtaposition sufficient for the purpose of producing a mattress of the desired size.

The fold as shown in Figure 1 may be made longitudinally of the mattress or the fold may be transversely. In either case the results are the same for producing the desired elasticity or resiliency while at the same time providing for a saving of the felt. Furthermore, with such a construction the folded sections of the felt provide for a vertical disposition of the fibers except those portions where the felt is turned as shown at 17 at the upper and lower ends of the sections for folding. By constructing the mattress from a single sheet of felt which is folded in the manner shown, not only is greater resiliency provided but ready packing of the felt is prevented. Stitching 18 is provided at intervals in order to maintain a more uniform construction so that the top and bottom walls will be retained in substantially parallel relation.

Sheets of paper 20 or other flexible material are placed between each layer of felt for the purpose of adding greater resiliency to the mattress and also lessening the tendency of the felt to become lumpy. Furthermore, the addition of the flexible sheet reduces the quantity of the felt required while aiding in supporting the fibers and giving a greater buoyancy. It will also be noted that the strips of paper are of a restricted type so that when the upper and lower ends of the layers of felt are compressed the strips of paper or other flexible material are entirely eliminated from view.

It may be advisable at times to secure the paper or other flexible sheets of material to the felt either by adhesive elements or by light stitching.

I claim:—

A mattress comprising a casing, a continuous strip of layer felt in the casing and folded in U-shaped sections, alternate U-

shaped sections having the bends thereof oppositely disposed relative to adjacent sections, the bends at opposite faces of the mattress being in close contact and providing a relatively flat surface, the legs of the U-shaped sections being disposed in vertical planes, a strip of flexible material lo-

cated between each pair of the legs of the U-shaped sections and terminating short of the opposite ends of said sections, said flexible material being sufficiently rigid for aiding in reinforcing and bracing the U-shaped sections.

JOHN IRVIN MORGAN.