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CUSHION

Filed Nov. 14, 1930

FIG. 1.

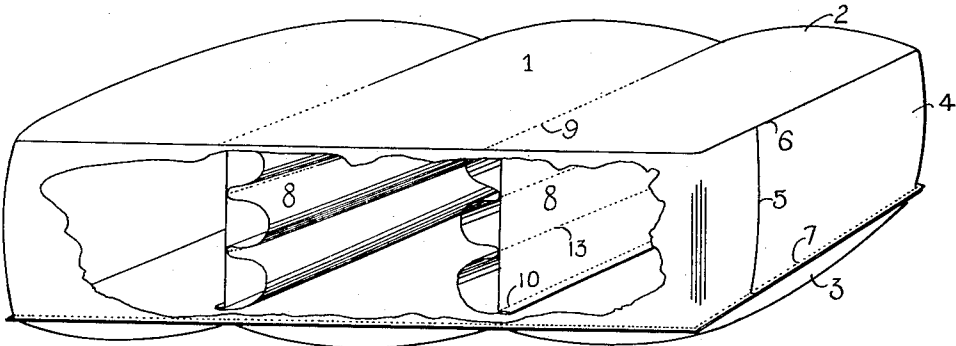
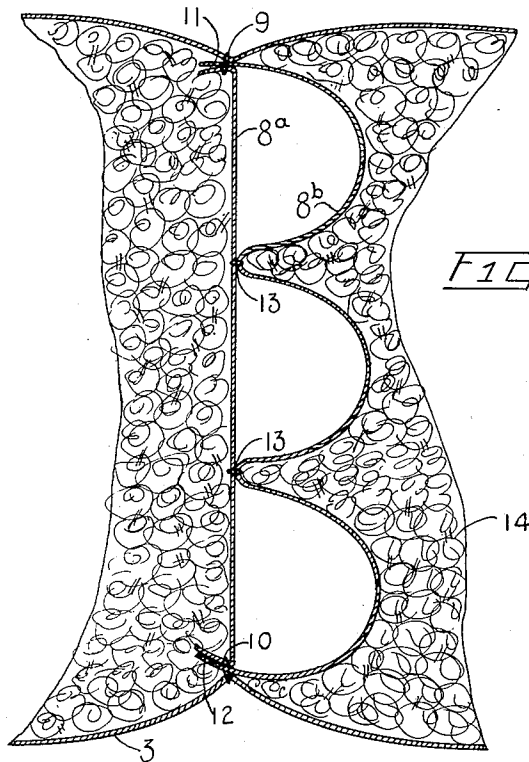


FIG. 2.



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CHARLES L. HAYES, OF BROOKLYN, NEW YORK, ASSIGNOR TO BELLA AND COMPANY, OF BROOKLYN, NEW YORK, A PARTNERSHIP COMPOSED OF PAULA BELLA AND GEORGE BELLA

CUSHION

Application filed November 14, 1930. Serial No. 495,604.

This invention relates to cushions, more particularly those removable and/or reversible cushions for use in connection with upholstered furniture, and has for its object to provide a cushion of novel internal construction characterized by its great resilience and shape-keeping quality.

Another object is to provide a cushion of simple and inexpensive construction which upon release will tend to spring back into shape with pneumatic effect and resilience greater than would be possible were the stuffing material alone relied upon.

A still further object is to provide a cushion so constructed that, even though filled with inferior stuffing material, it will compare favorably in resilience and shape-keeping quality with other cushions stuffed with higher grade filling material.

With these and other objects in view the invention consists in the novel construction and arrangement of parts hereinafter described, illustrated in the accompanying drawing, and particularly pointed out in the appended claims, it being understood that various changes in the form, construction and operation may be made without departing from the spirit of the invention or sacrificing any of the advantages thereof.

In the drawing:

Figure 1 is a perspective view of a cushion embodying my invention, having the foremost side broken away to show the internal construction thereof with the filling material omitted; and,

Fig. 2 is a detail in cross-section of one of the internal partitions shown in Fig. 1.

In the preferred embodiment of my invention as shown in the drawing, the cushion consists of the usual casing 1 fashioned of suitable material, having a top piece 2, bottom piece 3, and sides 4. The sides 4 are made of a single strip of material joined by sewing together its ends, as at 5, and which is sewn to the top 2 as at 6 and to the bottom 3 as at 7, along its upper and lower edges respectively to form the four sides 4 of the cushion casing.

Partitions 8 of double thickness are sewn along their top and bottom longitudinal

edges, as at 9 and 10 respectively, to the top 2 and bottom 3 inside the casing 1, said partitions being disposed so as to divide the casing into three substantially equal compartments.

The partitions 8 are fashioned of a strong closely woven stiff fabric, such as a stiff ticking, and the manner of their attachment to the top as at 11 and bottom as at 12 of the casing proper will be clear from the detail view, Fig. 2, from which it will also be clear that, owing to the expansive tendency of the stuffing, one wall 8^a of the double partition 8 is normally taut, while the other wall 8^b is fluted to form corrugations therein, the two walls being sewn together longitudinally of each corrugation by parallel rows of stitching 13 to make said corrugations permanent. The ends of the corrugations are left open and the partitions 8 are detached and actually slightly spaced from the sides 4 of the casing. The material of which the corrugated wall 8^b of the partition is fashioned may be any of a wide variety of fabrics well-known and in use by those skilled in the art, but should be much stiffer and springier than that used for the taut wall 8^a, or material of such stiffness that the corrugations will maintain their shape against the expansive pressure of the stuffing material with which the casing is filled, the preferable degree of stiffness being dependent upon the size of cushion and the purpose for which it is intended to be used, as will be obvious to those skilled in the upholstery art.

The three compartments of the casing formed by the said partitions 8 being filled with usual stuffing material 14, such as feathers, or down, it will be evident that with compression and release of the cushion in use, the hollow longitudinal air cells, formed by the corrugations in the partitions, will impart an added resilience to the cushion beyond that which is an inherent property of the stuffing material itself. The partitions 8 also of course keep the stuffing material in place in the casing.

Although the drawing and the above specification disclose the best mode in which I have contemplated embodying my inven-

tion, I desire to be in no way limited to the details of such disclosure, for in the further practical application of my invention, many changes in the construction and in the details may be made as circumstances may require or experience suggest without departing from the spirit of the invention within the scope of the appended claims.

What I claim is:

1. A cushion of the character described, comprising a casing, a partition wall within the casing, down feathers in the casing, and cellular means directly connected to said partition wall and acting with said down feathers to improve the shape-keeping quality of the cushion.

2. A cushion of the character described, comprising a casing, partition walls attached to the bottom and top of the casing, longitudinally corrugated partition walls attached to the bottom and top of said casing and to said first mentioned walls for improving the shape-keeping quality of the cushion, and feathers in the casing.

3. A cushion of the character described, comprising a casing, feathers in the casing, partition walls attached to the bottom and top of the casing, and longitudinally corrugated partition walls attached to the bottom and top of said casing and to said first mentioned walls by parallel lines of stitching for improving the shape-keeping quality of the cushion.

4. A cushion of the character described, comprising a casing of relatively pliable fabric, down in the casing, partition walls of relatively stiff fabric attached to the bottom and top of the casing, and longitudinally corrugated partition walls attached to the bottom and top of said casing and to said first-mentioned walls for improving the shape-keeping quality of the cushion.

5. A cushion of the character described, comprising a casing of relatively pliable fabric, feathers in the casing, partition walls of relatively stiff fabric attached to the bottom and top of the casing, and longitudinally corrugated partition walls of fabric relatively stiffer than that of the first-mentioned partition walls attached to the bottom and top of said casing and to said first-mentioned walls for improving the shape-keeping quality of the cushion.

6. A cushion of the character described, comprising a fabric casing, down feathers within the casing, double fabric partitions

sewn along their longitudinal edges to the bottom and to the top of said casing but spaced slightly from the casing at their ends, one wall of each double partition being normally taut and the other corrugated and capable of maintaining its corrugated shape against the expansive pressure of the stuffing.

7. A cushion of the character described, comprising a casing, double partitions attached to the bottom and top of said casing and dividing the same into a plurality of compartments, one wall of each double partition being normally taut and the other corrugated and sewn to the taut wall longitudinally between each of its corrugations, and feathers in said compartments.

8. A cushion of the character described, comprising a casing, down in the casing, a plurality of double partitions within the casing dividing the latter into substantially equal compartments, each double partition comprising a taut wall and a corrugated wall, the corrugations of one double partition being disposed so as to face the corrugations of the adjacent double partition.

9. A cushion of the character described, comprising a casing, feathers in the casing, and double partitions therein each arranged so as to form a vertically disposed series of longitudinal air-cells for improving the shape-keeping quality of the cushion.

10. A cushion of the character described, comprising a casing of relatively pliable fabric, feathers in the casing, normally taut partition walls of relatively stiff fabric attached to the bottom and top of the casing and dividing the latter into substantially equal compartments, longitudinally corrugated partition walls of fabric relatively stiffer than said first-mentioned partition walls attached to the bottom and top of said casing and attached along the valleys of the corrugations to said first-mentioned walls by equally-spaced parallel lines of stitching, the taut and the corrugated partition walls forming a vertical series of longitudinal pockets of D-shaped cross-section, so disposed that upon release of a load from a portion of the cushion they cooperate with the feather stuffing to restore the cushion to its original shape.

In testimony whereof I have signed my name to this specification.

CHARLES L. HAYES.