United States Patent

Archbold

[15] **3,698,023**

[45] **Oct. 17, 1972**

[54] PILLOW AND METHOD OF MAKING

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[22] Filed: **Jan. 4, 1971**

[21] Appl. No.: **103,750**

[52] **U.S. Cl.** **5/337,** 5/355, 161/43

[51] **Int. Cl.**.....**A47g 2/00,** A47c 27/00

[58] **Field of Search** .....5/355, 337, 338, 361, 361 B; 161/43, 152, 156

[56] **References Cited**

UNITED STATES PATENTS

3,555,580	1/1971	Willis	5/337
3,290,703	12/1966	Worrall	5/339 X

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Assistant Examiner—Andrew M. Calvert
Attorney—Jeffers and Rickert

[57] **ABSTRACT**

The specification discloses a pillow which is cylindrical so as to be receivable under the neck thereby to support the head without disturbing the hair. The pillow is made by rolling up textile material to form a cylinder and enclosing the pillow in a snugly fitting case. The textile material is in the form of a long strip of woven material and a strip of plastic material is placed on top of the woven material at one end and then a batt of fibers is placed on the major portion of the remainder of the length of a woven material and this assembly is then rolled up from the end having the plastic strip thereon so that the plastic strip is in the radially inner part of the pillow and forms stiffening means therefor.

5 Claims, 7 Drawing Figures

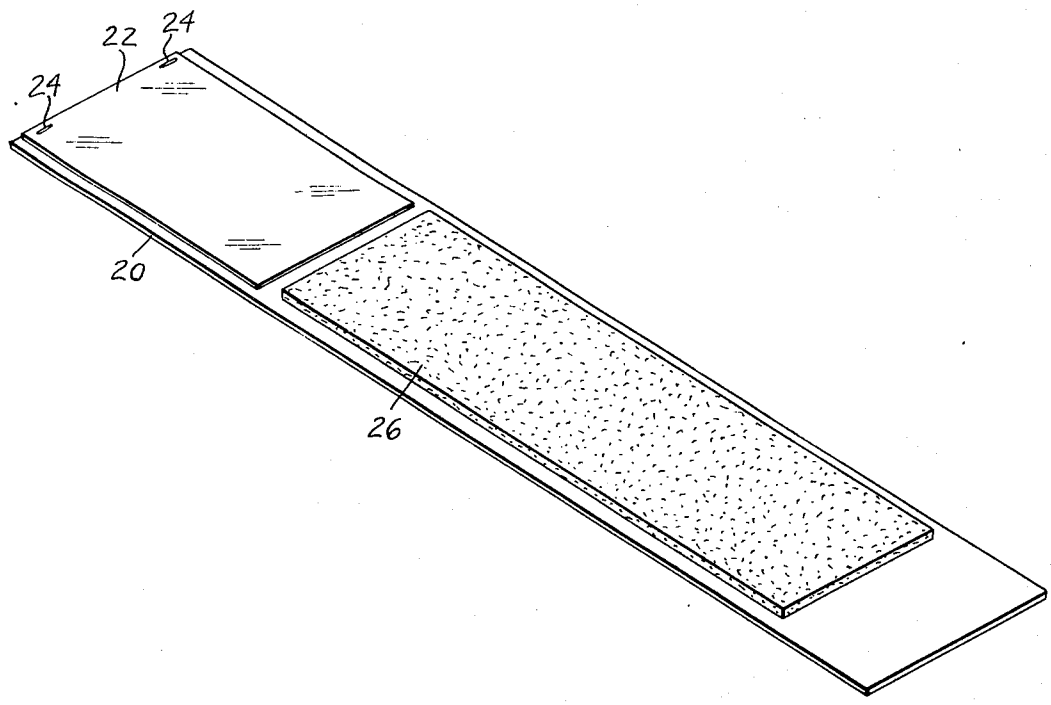


FIG-1

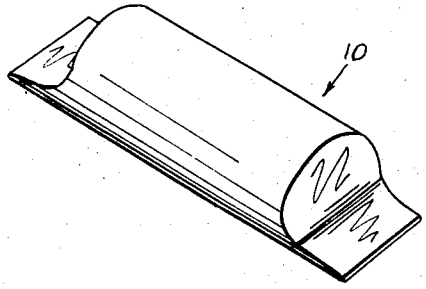


FIG-2

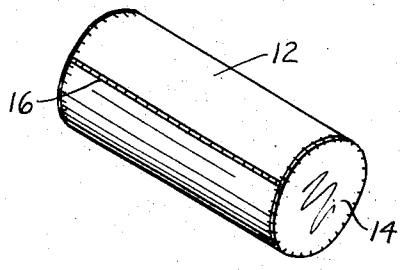


FIG-3

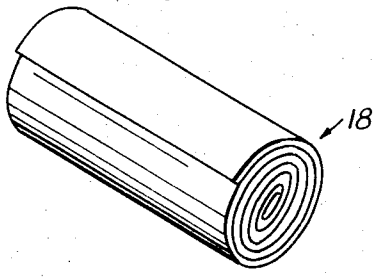


FIG-5

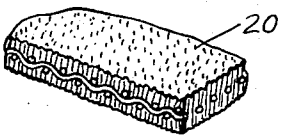


FIG-6

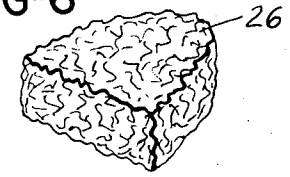


FIG-7



FIG-4

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PILLOW AND METHOD OF MAKING

The present invention relates to pillows and is particularly concerned with a cylindrical pillow that can be placed under the neck and support the head without interfering with the hair while at the same time realizing the known advantages of cylindrical pillows in respect of proper support for the head and neck.

A particular object of the present invention is the provision of an improved pillow of the nature referred to and a method of making the pillow.

A still further object of the invention is the provision of a cylindrical pillow and a method of making the pillow which permits the pillow readily to be made to different sizes.

Still another object of the invention is the provision of a cylindrical pillow and a method of making the pillow which results in a relatively inexpensive product but one which, nevertheless, is superior with respect to maintaining the shape thereof and to the comfort thereof.

The exact nature of the present invention will become more apparent upon reference to the following detailed specification, taken in connection with the accompanying drawings, in which:

FIG. 1 is a perspective view rather schematically illustrating a pillow according to the present invention enclosed in a pillow slip of a suitable type;

FIG. 2 is a perspective view showing the pillow with the slip removed;

FIG. 3 is a perspective view showing the pillow with the case removed;

FIG. 4 is a perspective view showing the manner in which the parts of the pillow proper are assembled prior to rolling up;

FIG. 5 is a fragmentary view showing the woven fabric forming the major structural element of the body of the pillow;

FIG. 6 is a perspective view schematically illustrating a fibrous filler material forming a part of the body of the pillow; and

FIG. 7 is a fragmentary perspective view showing a plastic material also forming a part of the pillow structure.

BRIEF SUMMARY OF THE INVENTION

According to the present invention, an elongated strip of woven, and preferably napped, textile material, for example, Dacron polyester material, is provided with an overlying plastic strip near one end while the major portion of the remainder of the length of the strip of woven material is provided with a batt of fibers, preferably, polyester fibers.

The strip of woven textile material is rolled up commencing at the end having the plastic strip thereon to form a resilient cylindrical, rather firm, pillow-like body. A snug fitting case is mounted on the body and upon placing a slip thereover, the pillow is ready for use.

DETAILED DESCRIPTION

Referring to the drawings somewhat more in detail, a pillow with a slip thereon according to the present invention is generally indicated at **10** in FIG. **1**. The pillow with the slip removed is shown in FIG. **2** and will be seen to comprise a cover, or case, **12** consisting of a

strip of material formed into a cylinder and having disc-like end members **14** stitched thereto. A slit **16** extending axially of the case is provided with a closure such as a zipper or the like to provide access to the interior of the case.

The case, or cover, may advantageously consist of a fabric made up of about **50** per cent polyester and about **50** per cent cotton, fits snugly on the rolled up body of the pillow, and serves to keep the body of the pillow rolled up and to protect it from soil.

FIG. **3** shows the body **18** forming the portion of the pillow that is schematically received in case or cover **12**. As will be seen, body **18** of the pillow is in the form of a wound up strip.

FIG. **4** shows the manner in which the materials of the body of the pillow are put together. For a pillow of one size, an elongated strip **20** is provided which is a woven fabric, preferably of Dacron polyester, and napped on both sides. A fragment of such a fabric is illustrated in FIG. **5** wherein the base fabric and the nap thereof on both sides will be seen.

The one end of strip **20** and centered with respect thereto is a strip **22** consisting of plastic material, say, about **1/32** inch thick. A fragment of the plastic strip **22** is shown in FIG. **7**. The one end of the plastic strip is preferably in registration with the adjacent end of strip **20** and the two strips are connected together as by staples **24**. Strip **22** is about **18 1/4** inches wide and about **26** inches long and, when rolled up with strip **20** will form the core of the pillow body and impart a certain amount of stiffness thereto so that the pillow will hold its shape but will still remain resilient and comfortable to use.

Extending from about the end of plastic strip **22** toward the other end of strip **20** and terminating short thereof is a batt of fibers **26** which are preferably polyester fibers. The batt of fibers at **26** forms the filler material for the body of the pillow. The batt **26** is about **17** inches wide and about **48** inches long and is also centered on strip **20**.

After the materials are assembled, as shown in FIG. **4**, the assembly is rolled up, starting at the end where the plastic strip is disposed, and when thus closely wound up, will form the cylindrical body of the pillow which is shown at **18** in FIG. **3**.

Inasmuch as the case **12** fits snugly about the body, it will hold the body in rolled up condition without any other fastening means.

The batt **26**, a fragment of which is shown at enlarged scale in FIG. **6**, is relatively soft and resilient and imparts the characteristics of a rather firm pillow to the rolled up assembly.

The distance from the end of the batt to the adjacent end of strip **20** may vary and, as illustrated, is about **9** inches so that the final end of strip **20** will lap over the preceding convolution of the strip **20** and thus protect the end of batt **26** from being displaced when the pillow is used.

The dimensions given are for a pillow about 15 inches in circumference but the pillow could be made larger or smaller by varying the amount of filler material represented by batt **26** and the length of strip **20**. The pillow could, in this manner, be made either larger or smaller according to individual preference with the case being modified in size to accommodate the particular size of the body of the pillow.

For a pillow of the size referred to, the pillow slip illustrated in FIG. **1** might be finished to about 29½ inches in length and would be a relatively loose fit in the direction of the diameter of the pillow.

The strip **20**, although napped, is especially treated to resist pilling and is about one-fourth of an inch in thickness when napped.

The fiber batt at **26** which is, as mentioned, made up of polyester filaments, is about three-eighths inches thick.

The 2-inch space at each side of the filler material provides for relatively soft ends on the body of the pillow for added comfort and also confines the side edges of batt **26**, while the ends of the plastic sheet do not offer any problem in respect of comfort since the plastic sheet is confined to the core of the pillow and is also inset from the side edges of strip **20**, although to a somewhat lesser degree than the side edges of the batt **26**.

Pillows according to the present invention are relatively simple and inexpensive to manufacture and offer considerable comfort in addition to supporting the head and neck without disturbing the hair.

Modifications may be made within the purview of the appended claims.

What is claimed is:

1. A pillow comprising a cover case and a pillow body enclosed therein, the pillow body being formed of an elongated strip of textile woven material having a relatively thin strip of flexible firm plastic material extending from one end of said strip of woven material toward the other end thereof and being only a fraction of the length of said strip of woven material, a batt of filler material extending from the region of said other end of said strip of woven material toward the said one end thereof and terminating in the region of the end of said strip of plastic remote from said one end of said strip of woven material, said strip of woven material together with said strip of plastic and the batt of filler material being rolled up commencing at said one end of said strip of woven material.

2. A pillow according to claim **1** in which said woven material is napped.

3. A pillow according to claim **2** in which said strip of plastic is secured to said woven material at least at said one end of said strip of woven material.

4. A pillow according to claim **3** in which said strip of plastic material is narrower than said strip of woven material and wider than said batt of fibers.

5. A pillow according to claim **3** in which both said woven material and said batt of fibers comprises polyester filaments.

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