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54 Cylindrically developed pack of pressed textile material (bump), with annular ties on diametral planes.

57 A substantially cylindric developed pack of pressed textile material (bumps) - with annular ties with nylon strap or string or the like - which annular ties are substantially diametral positioned on the bottoms, that is, on the pack bases, surrounding the pack itself approximately along the largest sections; generally three ties are provided lying approximately on planes spaced apart of 60° from each other.

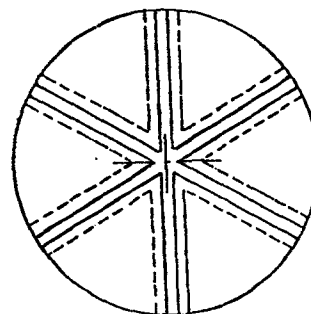


FIG.2

DESCRIPTION

It is known that textile material coming out from the intersecting (combing line end-machine) in the form of tape can be pressed in packs having a substantial cylindrical development, generally indicated by the term "bumps"; these packs are stabilized, in the pressed state and before being abandoned by the active members of the press, by means of ties performed with nylon straps or string, or other which engage annularly the pressed mass mostly with lengths parallel to the axis and lengths extending on the bottoms, that is, on the bases of the geometric figure of the cylindrical mass according to chords more or less remote from the geometric center of said bases. Usually six ties are provided which define on the bases a star-like pattern (David star), as it is shown in Fig. 1 of the accompanying drawing. The ties, in fact, are presently formed mostly in pairs which define on each base two parallel and opposite chords; in the central zone of each base a substantially hexagonal surface is located, being relatively large and lacking in ties, thereby the material in such zones is

tending to swell by making difficult the stability of the pressed packs which are stored upright in overlapped arrangement.

The pack according to the Model eliminates these storage drawbacks besides reducing the packaging costs and in particular those of the pack tying.

Substantially, according to the Model, the pack of pressed textile material (bump), having a substantially cylindrical development with annular ties of nylon strap, string, or of other equivalent tying material, is characterized by the fact that said annular ties have substantially diametral orientation on the bottoms, that is, on the bases of the pack, the same pack being surrounded approximately along the largest sections.

In practice, three ties may be provided roughly lying on planes spaced apart from each other of 60°.

In the drawing:

Fig. 1 shows - as above mentioned - the tying arrangement respectively the pressing plane to carry out this tying, in the traditional packs;

Fig. 2 shows, similarly, the pressing plane respectively the tying arrangement on the bottoms, that is, on the bases of the pack, in a pack according to the Model;

Fig. 3 shows a demonstrative section of a pressing

plane.

According to what is illustrated in the accompanying drawing, it can be seen in Fig. 1 that a tie is traditionally made up of three pairs of "launches" of strap or other A, A; B, B; C, C which define a "David star-like" pattern on the pack bottoms and respectively, on the pressing planes being furrowed by guide channels for straps or other tying filiform elements. Substantially, there are six annular ties in planes which are parallel to and spaced apart from the axis of the cylindrical mass of the cylindrically pressed pack. In the central zone of the bases there is a shortage of ties and a tendency of the material to swell, although six ties are present.

In Fig. 2 a tie is shown according to the Model, which is only threefold instead of sixfold, the three ties lying on diametral planes and the ties meeting about in the bases center. The ties lie on three diametral planes being angularly equidistant between them.

By this arrangement a pack of pressed textile material is obtained which, firstly, is more economical since it is performed with only three ties on about diametral planes spaced apart of 60° and, secondarily, permits to obtain a greater regularity on the bottoms, that is, on the bases of the cylindrical masses of the

pressed packs. It will be appreciated, in fact, that no bulges are formed in the pack central parts. In some cases, periferical limited bulges may occur which, anyhow, are uniformly distributed and therefore do not impair the stability of superimposed bales or packs upon stowing for storage and transfer.

CLAIMS

1) A pack for pressed textile material (bumps) having substantially cylindrical development with annular ties of nylon strap, string, or other equivalent tying material, characterized by the fact that said annular ties have substantially diametral orientation on the bottoms, that is, on the pack bases, surrounding the same pack approximately along the largest sections.

2) A pack according to the preceding claim, characterized by the fact that three ties are provided lying approximately on planes spaced apart from each other of 60°.

3) A cylindrically developed pack of pressed textile material (bump), with annular ties on diametral planes; all as described and illustrated.

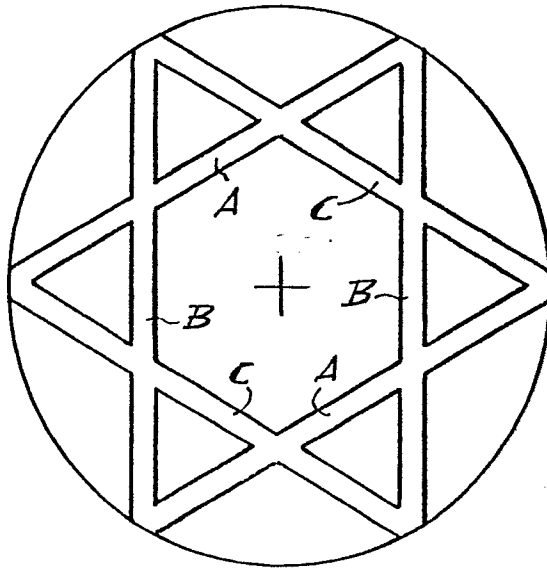


FIG. 1

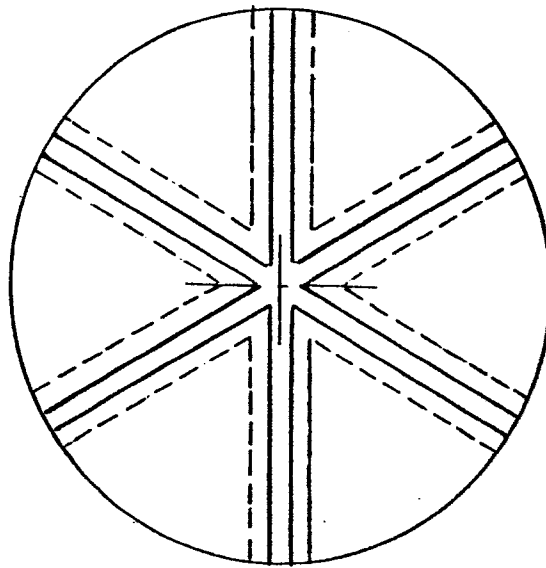


FIG. 2

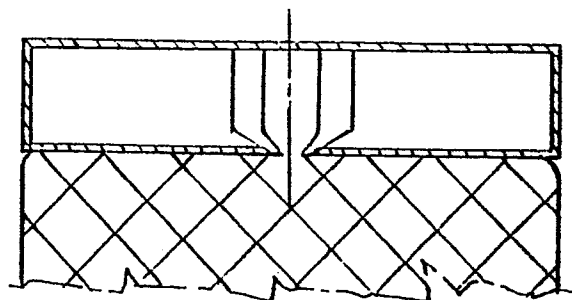


FIG. 3



European Patent
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EUROPEAN SEARCH REPORT

0190541

Application number

EP 85 83 0025

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
X	GB-A- 250 293 (GRAVES) * Page 2, lines 70-84; claim 1 *	1-3	B 65 D 85/16
X	FR-A- 835 858 (TRANSORMA BUNDEL-SLUIT-MACHINE B.S.M.N.V.) * Page 2, lines 51-59; page 2, lines 96-99; figure 3 *	1,3	
A	US-A-3 521 424 (WIRFEL) * Column 7, lines 44-50; figure 5 *	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
			B 65 D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 25-09-1985	Examiner BERRINGTON N.M.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure o : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			