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2,048,238

CORSET STEEL

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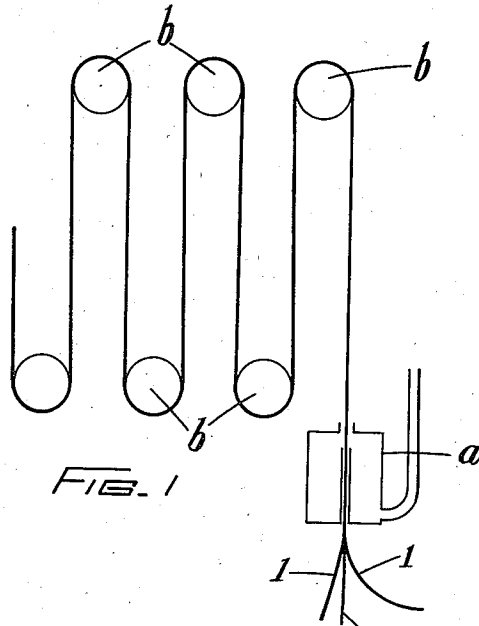


FIG. 1

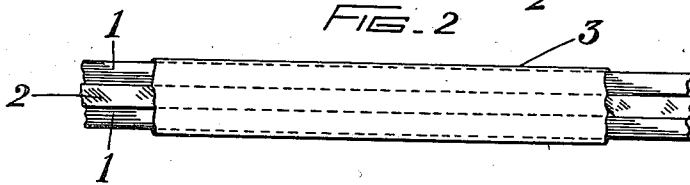


FIG. 2

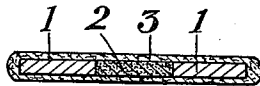


FIG. 3

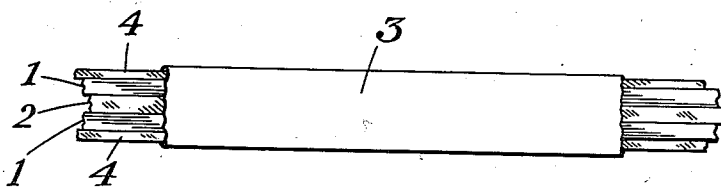


FIG. 4

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CORSET STEEL

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2 Claims. (Cl. 2—260)

This invention relates to corset steels to which a coating of plastic material is applied by an extruding or like process, said material being of some quick-drying nature, such as nitro-cellulose, cellulose acetate or celluloid solution, which material will hereinafter be referred to as plastic material.

According to the present invention the corset steel consists of two or more steel bands the edges of which are spaced apart and the space or spaces between the edges is filled with a strip of paper or other textile material, and the whole is coated with plastic material. The outer edges of the steel bands may be shielded or reinforced with narrow paper or like strips.

The paper or like strip or strips and the steel bands are supplied from reels and after being appropriately positioned relatively have the coating applied to them. The coating consists of pasty or plastic material applied by an extruding or like process, said material being of some quick-drying nature such as nitro-cellulose, cellulose acetate or celluloid solution. The filling or shielding strips may be of any suitable material, for example, paper, cardboard, or a thread or threads.

Corset steels constructed according to the present invention have a high degree of resiliency and are lighter, width for width, than those at present known since the filling or fillings between the steel strips are lighter than steel of the same width, thickness and length. This advantage is particularly desirable when the cost of carriage on the strips in bulk is considered, and the said advantage is enjoyed by a person wearing corsets containing the steels.

The invention will now be described with reference to the accompanying drawing wherein:—

Fig. 1 shows, diagrammatically, steel bands 1, 1 and a filling strip 2 being passed through an extruding device *a* (to receive a coating 3 of plastic material) and over and under rollers *b*, *b* which delay the time of delivery of the composite band to a coiling or like machine so as to give the plastic material fed to the band by the device *a* time to dry or initially set. The steel bands 1 are supplied from rolls and the strip 2 from spools.

Fig. 2 is a plan view of a length of corset steel provided with a filling strip 2 between two steel bands 1, 1 with the ends broken off;

Fig. 3 is an end view on an enlarged scale and in section of the steel illustrated in Fig. 2; and

Fig. 4 is a plan view of a length of corset steel with shielding strips 4 along the outer edges of the steel bands, the ends being broken away.

In Figs. 2 and 3 the steel bands 1, 1 are spaced apart and the space between their immediately opposite edges is filled with a strip 2 of paper or the like and the whole is coated with the plastic material 3 as above set forth.

The plastic material around the outer edges of the bands 1, 1 may be made thicker than that along the faces of the steel by enlarging the ends of the die opening in known manner.

In Fig. 4 steel bands 1, 1 spaced apart and the space filled with a paper or like strip 2 are shielded at their outer edges by means of paper or like strips 4, 4, the two bands and three strips being simultaneously coated with plastic material 3 in a manner analogous to that described with reference to Figs. 1, 2 and 3. The strips 4, 4 shield the outer edges of the bands 1, 1 so that bands 1, 1 with rough edges can be satisfactorily used, and the said strips may be of material which reinforces the said steel bands and/or increases the overall width of the composite steel.

Although only two steel strips and one intermediate filling strip have been described and illustrated a steel of the same width or a wider steel may be produced by arranging three or more steel bands in spaced relation, interposing filling strips between them, shielding or not, as desired, the outer edges of the outermost steel bands, and coating the whole with plastic material.

What I claim is:—

1. A corset steel comprising steel strips and an intermediate paper strip, the strips being arranged edge to edge in the same plane and being substantially of the same thickness, and a plastic coating envelope completely enclosing and covering the steel strips and paper strip and serving to hold said strips in steel-forming relation.

2. A corset steel comprising steel strips and an intermediate paper strip, the strips being arranged edge to edge in the same plane and being substantially of the same thickness, and a coating of cellulose material forming an envelope for and completely enclosing and covering the steel strips and paper strip, and serving to hold the strips in corset steel forming relation.

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