J. V. HAYES.

CLOTH HANGER.

APPLICATION FILED NOV. 1, 1916.

1,250,453.

Patented Dec. 18, 1917.

FIG. 1.

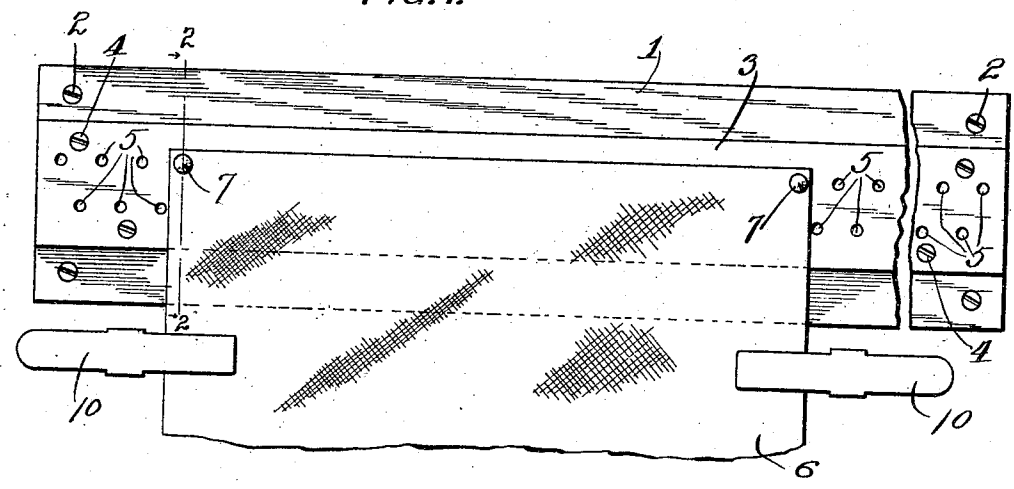


FIG. 2.

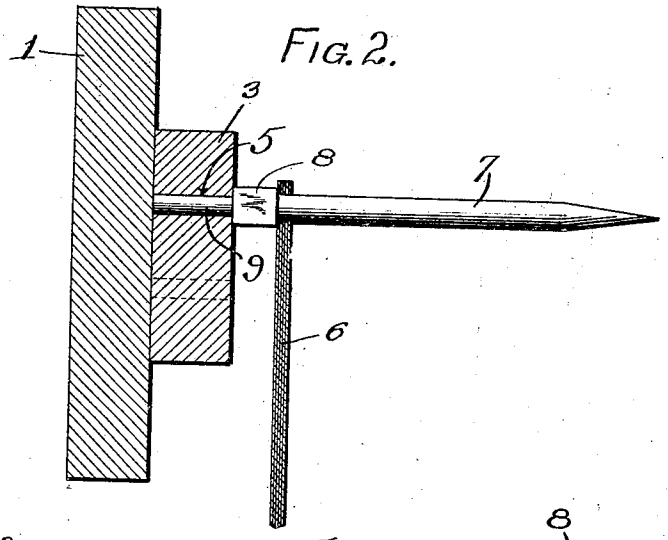
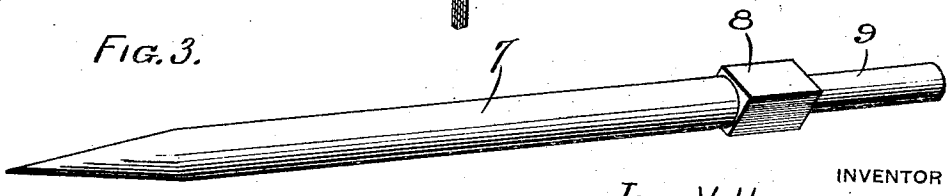


FIG. 3.



WITNESSES

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CLOTH-HANGER.

1,250,453. Specification of Letters Patent. Patented Dec. 18, 1917.

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To all whom it may concern:

Be it known that I, JOHN V. HAYES, a citizen of the United States, residing at Ossining, in the county of Westchester and State of New York, have invented certain new and useful Improvements in Cloth-Hangers, of which the following is a specification.

My invention relates, generally, to apparel apparatus, and, the invention has reference, more particularly, to an improved cloth hanger.

The invention has for its principal object to provide a cloth hanger especially adapted for use in marking and cutting of fabric for wearing apparel, in which, the various layers of cloth as arranged upon the hanger, will be properly supported, that is, each layer of the fabric will be arranged directly over the preceding one, also, the various layers will be free from wrinkles, thereby, permitting the accurate cutting of each layer according to the design of the particular pattern which is transferred to the top layer, thus, preventing waste of material and additional outlay upon the part of the manufacturer.

I am aware that similar devices have heretofore been used for this purpose, some of which comprise clamping boards, whereby, the layers of fabric are arranged upon the board and the edges thereof then clamped to the same in order that relative movement of the layers will be prevented. In addition to the above means, heavy weights are often used, the weights being placed over portions of the layers of fabric to hold the same in position for marking and cutting. The clamping method is mainly objectionable, in view of the fact, that the various layers of fabric held thereby frequently wrinkle, hence, when cutting according to the design cut upon the guide layer, they do not correspond thereto, while the weighting down of the layers, invariably permits certain of the under layers to become displaced, consequently, when cut are useless. By my invention these disadvantages are completely overcome.

Among other objects of the invention may be recited, the provision of a device of the character mentioned with a view to compactness, and in which the number of parts are few, the construction simple, the cost of production small, and efficiency and operation high.

Other and further improvements and novel details in the construction and arrangement of parts will be appreciated from the description to follow, which for a clear understanding of the invention should be considered in connection with the accompanying drawings, forming a part hereof and wherein the preferred embodiment of the invention is shown for the purpose of illustration.

In the drawings:

Figure 1 is a fragmental top plan of the improved cloth hanger showing the manner in which the layers of fabric are engaged therewith,

Fig. 2 is a transverse section therethrough taken on the line 2—2 of Fig. 1 looking in the direction of the arrows, and

Fig. 3 is a detail in perspective of one of the cloth engaging and supporting pins.

Similar characters of reference are employed in all of the above described views, to indicate corresponding parts.

Referring now in detail to the several figures of the said drawings, the invention embodies a base board 1, which has formed therein a plurality of openings, whereby screws or other fastening devices, indicated by the numeral 2 may be passed therethrough and the board thus, held in position. A second board of less width than the base board 1 designated by the numeral 3 is secured to the said base board, the same being disposed longitudinally thereof and secured in position by means of screws 4 or the like which are passed through the end portions thereof into engagement with the base board. A plurality of rows of pockets or holes, generally indicated by the reference character 5 are formed within the board 3, the different rows being, preferably, arranged in staggered relation.

To provide for means whereby the layers of fabric 6 may be supported by the construction, a plurality of engaging and supporting pins 7 are employed. Squared portions 8 of a size greater than the diameter of the pins 7 are formed thereupon in proximity to the base thereof while the remainder of the pins are reduced to provide cylindrical extensions 9. The cylindrical extensions 9 are receivable within the various pockets 5, it being obvious, that the same may be adjusted to various positions to accord with the size of the layers to be marked and cut.

In carrying out the marking and cutting operation, hinged spring clamping members 10 are engaged with the edges of the various layers of fabric at spaced points thereabout, in order that the same may be properly held in position against relative movement. It is of course to be understood, that the clamps 10 do not form a part of the present invention and hence, any form of clamp other than that as shown, may be substituted, such as conditions or preference may dictate.

The operation of the device may be reviewed as follows:

The engaging and supporting pins 7 are positioned within certain of the pockets 5 to accord with the size of the layers of fabric which are to be engaged therewith. The various layers are now successively passed into engagement with the pins and when the desired number have been placed or hung thereon, the clamps 10 are engaged with the edges thereof and the layers as a whole then slid off the pins and placed on to a cutting table. At this stage, a pattern is placed upon the uppermost layer and the design of the same marked on the said layer. When the design has been transferred, the various layers are then cut in a single operation.

As above indicated, I have by providing my hanging board overcome the various objectionable features encountered in cutting and marking fabric for wearing apparel, since, by first arranging the said layers upon the hanging board they will be properly positioned and any wrinkles therein will be entirely eliminated, by reason of the fact that the layers are hung instead of being placed upon a flat supporting surface.

It is also evident, that by arranging the various rows of pockets 5 in staggered relation, more minute adjustment of the pins 7 is afforded and consequently, fabric differing slightly in size may be supported by the hanger.

While I have herein illustrated and described with a considerable degree of particularity, constructional details of the device embodying my invention, it is to be understood that the invention is not limited to the particular form and arrangement of the several parts, which may be modified within a wide range without departing from the essence of the invention, the construction shown and the description based thereon being intended to be taken in an illustrative rather than a limiting sense.

I claim:

1. A cloth hanger, including a base, a plurality of rows of pockets formed in said base, said rows of pockets being arranged in staggered relation, and cloth engaging and supporting pins removably received within the various pockets.

2. A cloth hanger, comprising a base, a plurality of rows of pockets formed within said base, said rows of pockets being arranged in staggered relation, and cloth engaging and supporting pins having stops formed thereon removably received within the various pockets.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN V. HAYES.

Witnesses:
M. W. WALKER,
I. R. LOUNSBERRY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."