S. M. BLISS.

UPHOLSTERER'S TACK.

APPLICATION FILED JULY 3, 1919.

1,336,273. Patented Apr. 6, 1920.

Fig. 1.

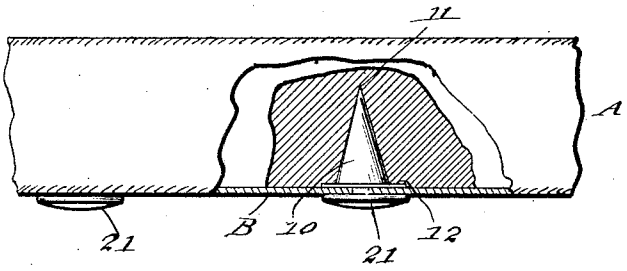


Fig. 2.

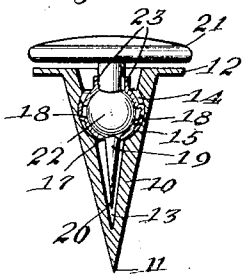


Fig. 3.

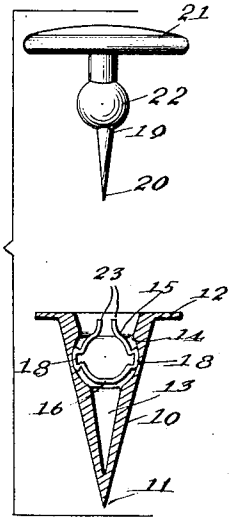
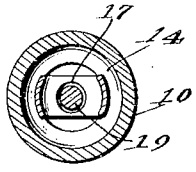


Fig. 4.



WITNESS:

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UPHOLSTERER'S TACK.

1,336,273. Specification of Letters Patent. Patented Apr. 6, 1920.

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To all whom it may concern:

Be it known that I, SARAH MABEL BLISS, a citizen of the United States, residing at Albuquerque, in the county of Bernalillo and State of New Mexico, have invented new and useful Improvements in Upholsterers' Tacks, of which the following is a specification.

This invention relates to securing devices, particularly to tacks especially designed for use by upholsterers and others, and has for its object the provision of a tack which is formed as a sheath portion adapted to be permanently associated with the article to have material or the like secured thereon and which further comprises a headed shank portion engageable within the sheath portion and provided with an enlarged intermediate portion engaged within a spring disposed within the sheath whereby the shank portion will be firmly and permanently associated with the sheath until forcibly withdrawn therefrom as when it is necessary to replace upholstering material and the like.

A more important object is the provision of a tack of this character in which the spring disposed within the sheath has its lower portion flattened and perforated to permit the passage of the point of the shank which extends an appreciable distance below the lower portion of the spring.

An additional object is the provision of a tack of this character which will be simple and inexpensive in manufacture, highly efficient and durable in use, which will save furniture from the necessity of making a multiplicity of holes therein every time reupholstering is carried out, and which will consequently be a general improvement in the art.

With the above and other objects and advantages in view, the invention consists in the details of construction to be hereinafter more fully described and claimed, and illustrated in the accompanying drawing, in which—

Figure 1 is a sectional view through the frame of a chair or the like, showing my tack applied thereto in elevation, the upholstering fabric being also shown in section,

Fig. 2 is a longitudinal sectional view through my tack engaged within the sheath,

Fig. 3 is a longitudinal sectional view through the tack, the sheath and shank being separated, and

Fig. 4 is a detail cross sectional view through the shank, showing the lower portion of the spring in plan.

Referring more particularly to the drawing, the letter A designates a portion of the frame of a chair or the like, and B designates the upholstering fabric. These parts are shown and described merely as illustrating the application or use of the tack though it will be readily understood that the tack may be used at any desired location and in any art where its use may be found advantageous.

In carrying out my invention I provide a conical member 10 which has a penetrating point 11 and a head 12, preferably of circular form whereby this member may be driven into wood. This member 10 is formed hollow, as shown, the recess 13 therein conforming substantially to the outer contour except that adjacent the upper portion the recess is provided with an enlarged portion 14.

Disposed within this enlarged portion 14 of the recess is a spring 15, the lower portion of which is flattened, as shown at 16, and provided with a hole 17, for a purpose to be described. This spring has its sides 18 so formed as to prevent shifting of the spring within the enlarged portion 14 of the recess.

Adapted for engagement within this sheath member 10 is a shank 19 provided with a penetrating point 20 adapted to pass through the fabric B and also through the hole 17 in the flattened lower portion of the spring. This shank portion is provided with a preferably circular head 21 adapted to coöperate with the head 12 of the sheath for gripping between these two heads the fabric B for holding the same firmly. Intermediate its ends, the shank 19 is provided with an enlarged portion 22 of substantially spherical shape adapted for passage between the ends 23 of the spring 15 and for disposition within the spring 15. The ends 23 of the spring are disposed in spaced relation to the inner periphery of the upper end of the recess in the sheath so that these ends 23 may be forced apart when the shank member is driven into the sheath to permit passage of the enlarged portion 22 of the shank into the spring.

In the use of the device, the sheath member 10 is driven into the wood of the article upon which the fabric or other material is adapted to be secured, the fabric is placed in position, and the shank member 19 is then so disposed that its point 20 will pass through the fabric, between the ends 23 of the spring, and is then driven in so that the point will pass through the perforation or hole 17 in the lower portion of the spring and into the lower portion of the recess 13. As the substantially spherical enlarged portion 22 on the shank passes between the ends 23 of the spring and engages within the spring, the shank will be firmly held within the sheath so as to prevent relative dislocation of the parts until some tool is used for prying the head 21 of the shank so that the shank can be removed from the sheath.

From the foregoing description and a study of the drawing it will be apparent that I have thus provided an extremely simple and inexpensive tack adapted for many uses but especially designed for use by upholsterers for securing fabric upon the frame-work of chairs, settees, couches, or the like whereby the fabric may be firmly held in position while at the same time the making of new holes in the frame-work is obviated whenever it is necessary to replace the upholstering fabric.

While I have shown and described the preferred embodiment of my invention, it is of course to be understood that I reserve the right to make such changes in the form, construction, and arrangement of parts as will not depart from the spirit of the invention or the scope of the subjoined claim.

Having thus described my invention, I claim:—

An upholsterer's tack comprising a conical sheath having a penetrating point and having its other end provided with a head, said sheath being provided with a conical recess provided intermediate its ends with an enlarged portion, a longitudinally arranged spring disposed within the enlarged portion of said recess and substantially conforming thereto, the lower portion of said spring being flattened and provided with a hole, said spring having its upper ends spaced apart and arranged in spaced relation to the walls of the enlarged portion of said recess, and a shank member adapted for disposition within said sheath and having a penetrating point adapted to pass through the hole in said spring and further including a head adapted to have coöperation with the head of said sheath, the intermediate portion of said shank being formed with a substantially spherical enlargement adapted for passage between the ends of said spring and for engagement within said spring.

In testimony whereof I affix my signature.

S. MABEL BLISS.