

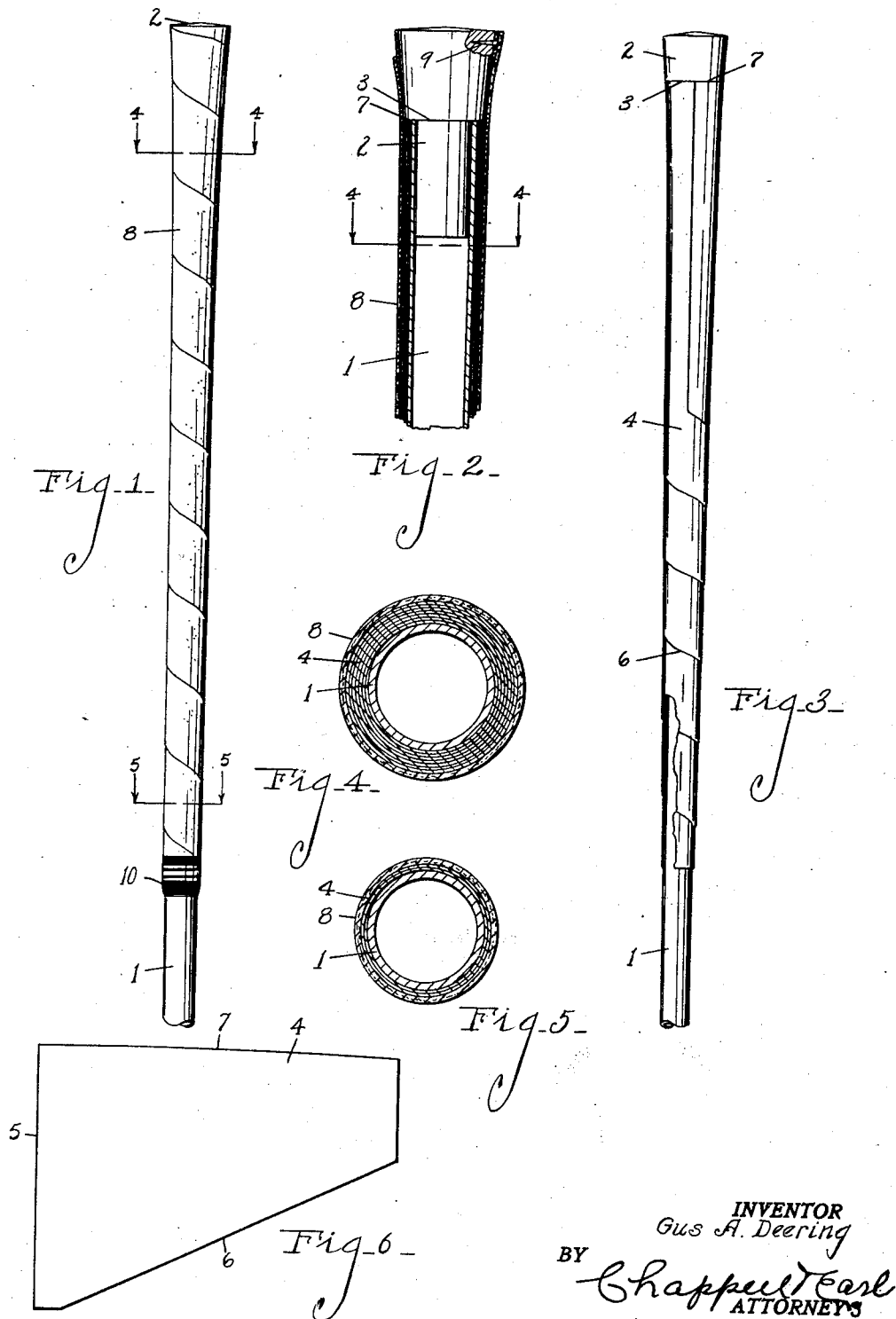
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GRIP FOR GOLF CLUBS AND THE LIKE

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GRIP FOR GOLF CLUBS AND THE LIKE

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The main objects of this invention are to provide in a golf club a grip which has a very firm and secure foundation, is of the desired taper and can be very rapidly and economically produced.

Objects relating to details and economies of my invention will appear from the description to follow. The invention is defined and pointed out in the claims.

A structure which is a preferred embodiment of my invention is illustrated in the accompanying drawings, in which:

Fig. 1 is a fragmentary view of a golf club shaft embodying my invention.

Fig. 2 is a fragmentary view partially in central longitudinal section.

Fig. 3 is a fragmentary view of the shaft with the grip foundation wound thereon prior to the applying of the grip covering.

Fig. 4 is a transverse section on line 4—4 of Fig. 1.

Fig. 5 is a transverse section on line 5—5 of Fig. 1.

Fig. 6 is a plan view of the foundation sheet, this being of reduced size but showing it in its preferred form.

In the embodiment illustrated, I show my improvements as applied to a tubular steel shaft 1, the outer end of which is an end or tip piece 2 shouldered at 3, a projecting portion of the tip or end piece being inwardly tapered.

The grip foundation sheet 4 is preferably formed of heavy strong paper the width of the sheet at its wide end 5 being approximately the length of the completed grip.

The inner edge 6 of the sheet is cut on an incline so that the sheet is tapered, its upper edge 7 however being at right angles to the edge of its wide end.

This sheet is convolutely wrapped upon itself around the shaft with its outer edge abutting the shoulder 3 of the tip member 2. The winding may be done before the tip member is inserted or after, as found convenient.

By thus convolutely winding the sheet upon itself around the shaft, its inner or lower edge lies spirally around the shaft so that there are a substantially greater number of convolutions at the outer than at the inner

end of the foundation, resulting in a tapered foundation.

The covering is preferably of leather in the form of a strip 8, this being spirally wound upon the foundation to overlap the joint between the foundation and the tip member 2, its outer end being secured as by means of the brad 9 to the tip member, its inner end being bound by the wrapping 10. The strip is laid spirally around the foundation so that the edges of its several wrappings abut.

My improved grips may be very rapidly and economically produced, the desired taper to the foundation being secured merely by the shape of the sheet and further, the foundation does not slip or shift about under the covering.

I have not attempted to illustrate certain adaptations contemplated by me as it is believed this disclosure will enable those skilled in the art to embody or adapt my improvements as may be desired.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:

1. The combination with a tubular shaft, of a shouldered end piece arranged in the outer end of said shaft, a grip foundation sheet having a width at one end approximating the length of the grip wound convolutely upon itself around said shaft with its outer edge in abutting relation to the shoulder of said tip member, the inner edge of said foundation sheet being on an angle whereby there are a substantially greater number of convolutions at the outer than at the inner end of the foundation providing a taper therefor, and a covering strip spirally wrapped upon said foundation to overlap said tip member and secured at its outer end thereto.

2. The combination with a shaft, of a grip foundation sheet having a width at its inner end approximately the length of the grip wound convolutely upon itself around said shaft, the inner edge of said foundation sheet being cut on an angle whereby there are a substantially greater number of convolutions at the outer than at the inner end of the

foundation providing a taper therefor, and a covering for said foundation.

3. The combination of a shaft, a tapered grip foundation sheet having a width at its wide end approximating the length of the grip wound convolutely upon itself around said shaft with the outer edges of the convolutions aligned, the inner edge of the foundation sheet being spirally disposed, and a covering for said foundation.

In witness whereof I have hereunto set my hand.

GUS A. DEERING.