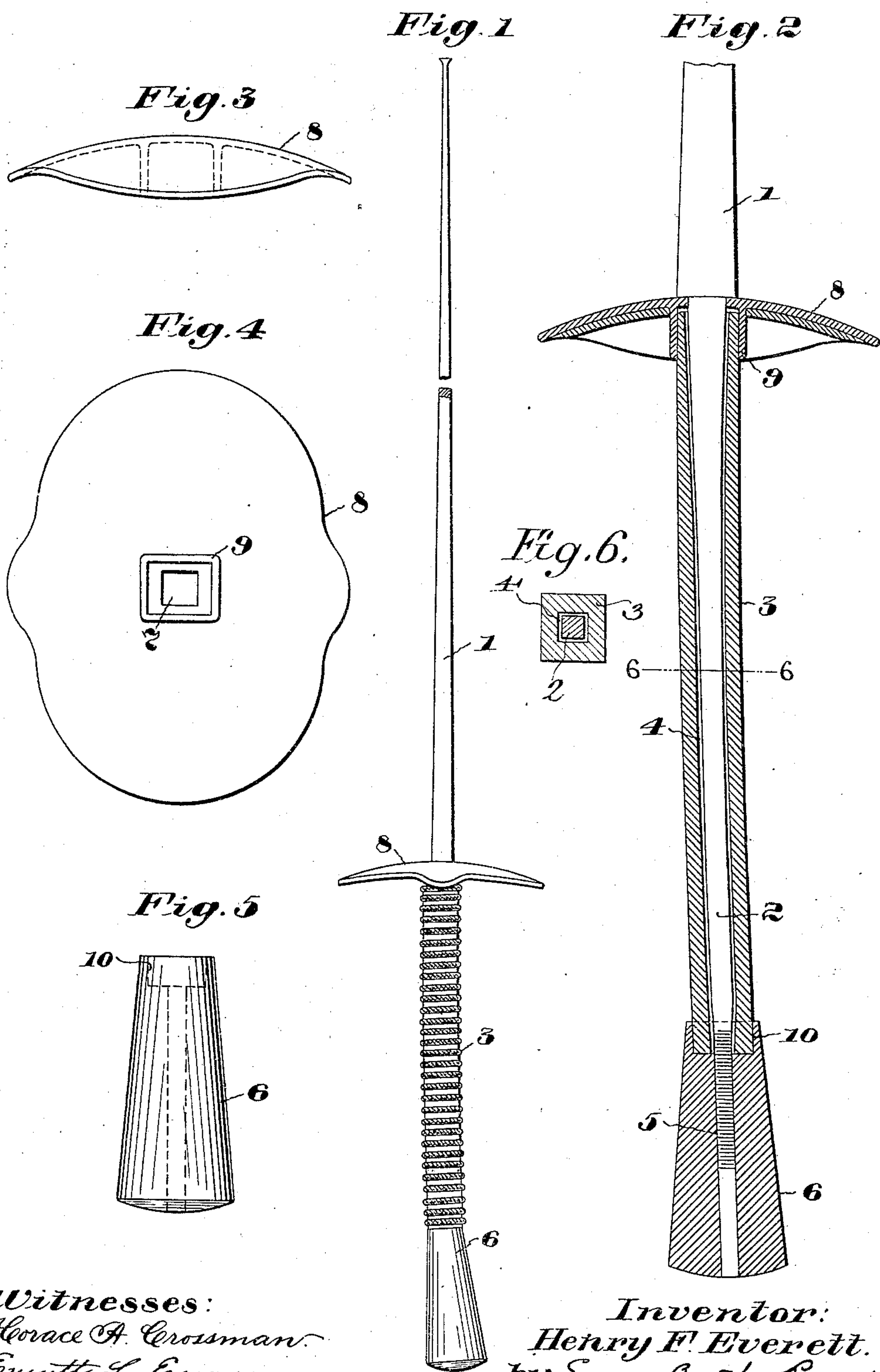


No. 840,832.

PATENTED JAN. 8, 1907.

H. F. EVERETT.
HANDLED IMPLEMENT.
APPLICATION FILED OCT. 5, 1904.



Witnesses:
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UNITED STATES PATENT OFFICE.

HENRY F. EVERETT, OF WEST ROXBURY, MASSACHUSETTS, ASSIGNOR
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HANDLED IMPLEMENT.

No. 840,832.

Specification of Letters Patent.

Patented Jan. 8, 1907.

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To all whom it may concern:

Be it known that I, HENRY F. EVERETT, a citizen of the United States, residing at West Roxbury, in the county of Suffolk and State of Massachusetts, have invented an Improvement in Handled Implements, of which the following description, in connection with the accompanying drawings, is a specification, like numerals on the drawings representing like parts.

This invention relates to the construction and arrangement of the parts of swords, and particularly of fencing-foils, although, as will hereinafter appear, the invention may be applied to a great number of other implements. The aim thereof is to simplify and strengthen the handle construction of the implements named in such manner that they may be easily and accurately assembled by an unskilled manipulator and will admit of the substitution of blades having shanks of different thickness.

The character, scope, and further objects and advantages of the invention will be clearly apparent from a description of one embodiment thereof illustrated in the accompanying drawings, in which—

Figure 1 is a view in elevation of a fencing-foil containing the invention. Fig. 2 is a longitudinal section of the handle thereof, a portion of the blade and shank being shown in elevation. Figs. 3 and 4 are edge and plan views, respectively, of the guard; and Fig. 5 is a view of the pommel of a foil. Fig. 6 is a cross-section taken intermediate the ends of the gripping member upon the lines 5 5 of Fig. 2.

The usual construction of handles for fencing-foils and the like consists of a gripping member surrounding the shank of the blade, a guard located at the junction of the blade and shank, and a pommel at the outer extremity of said shank, said guard and pommel abutting against the opposite extremities, respectively, of the gripping member. It is customary, moreover, to employ separate ferrules mounted upon the opposite extremities of the gripping member to protect the same and to form smooth joints between said member and the abutting guard and pommel. This construction, however, has been found to be unsatisfactory, owing to lack of rigidity, due to the number

of parts and to the fact that in assembling the implement, as in case of replacing a broken blade, the parts are liable to be inaccurately put together. The present invention overcomes these objections and serves to produce a greatly-improved implement.

Referring to the drawings, the blade 1 is provided with the usual tapered shank 2, upon which is mounted a gripping member or handle proper, 3, the latter being provided with the bore 4 to receive said shank. The bore 4 is shown in this instance as of considerably larger diameter than the shank in order to accommodate blades having shanks of different thickness, thus permitting the interchange of blades and adding materially to the usefulness of the handle. The shank 2 is preferably threaded at its end 5 to receive an internally-threaded pommel 6, and the opposite extremity of the shank at its junction with the blade is shaped, preferably by squaring or otherwise, to fit the aperture 7 in the guard 8. The guard at its under side and adjacent the aperture 7 has secured thereto, and preferably integrally therewith, the ferrule or socket member 9, shaped to fit over the adjacent non-circular extremity of the gripping member 3. The pommel 6 is likewise provided with a ferrule or socket 10 to receive and hold the opposite extremity of said gripping member.

In assembling the parts herein described the guard 8 and gripping member 3 may be readily slipped upon the shank 2 and the upper extremity of the gripping member fitted within the ferrule or socket 9. The pommel 6 is then screwed upon the threaded end 5 of the shank and turned until the adjacent extremity of the gripping member 3 is seated within the ferrule or socket 10, whereupon a few additional turns will serve to force the ferrules 9 and 10 accurately and securely over the member 3. There is formed a three-part handle with the parts substantially and securely telescoped together and rigidly held by a clamping member, consisting in this instance of the shank 2.

In the construction here described it will be noticed that the gripping member 3 is fixedly held relative to the shank 2, although not necessarily in contact therewith at any point, thereby differing materially from the

construction of such handles heretofore known in which the gripping member fits snugly over the shank, and consequently is adapted to receive shanks of but one size.

5 It is obvious that the invention is not limited to sockets or ferrules upon the guard and pommel, since these features may be replaced by any suitable means rigidly fixed to these members to securely engage and position the gripping member 3. Furthermore, 10 the invention is not confined in its application to foils or the like, as it is equally well adapted for use with a great variety of implements.

15 Many changes may be made in the construction and relative arrangement of parts without departing from the spirit and scope of the invention.

I claim—

An implement comprising the combination of a blade provided with a shank and a gripping member provided with a bore of greater diameter than and to receive said shank, a guard and pommel located opposite the extremities respectively of said gripping 25 member and provided with sockets to receive said extremities and to hold said member clamped between said guard and pommel and out of contact with said shank.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HENRY F. EVERETT.

Witnesses:

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