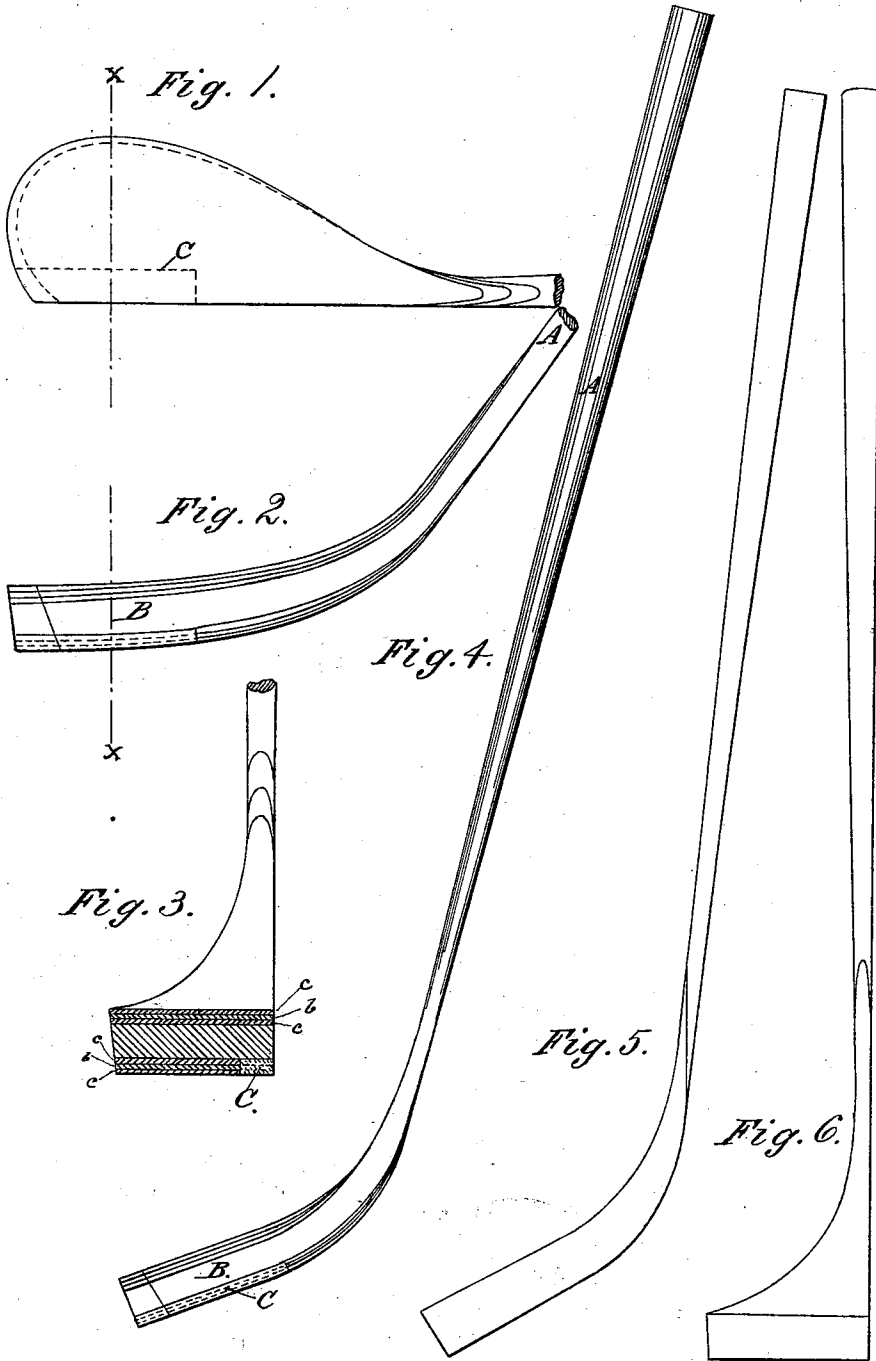


(No Model.)

G. A. RUEMMLER.
GOLF STICK.

No. 513,733.

Patented Jan. 30, 1894.



Witnesses:

Denis A. Flavel.

Paul Gorham

Inventor:

Gustav A. Ruemmler,

by Thomas Ewing, Jr.
Attorney.

UNITED STATES PATENT OFFICE.

GUSTAV A. RUEMMLER, OF YONKERS, NEW YORK, ASSIGNOR OF TWO-THIRDS
TO WALTER E. HODGMAN AND WILLIAM D. BALDWIN, OF SAME PLACE.

GOLF-STICK.

SPECIFICATION forming part of Letters Patent No. 513,733, dated January 30, 1894.

Application filed February 10, 1893. Serial No. 461,740. (No model.)

To all whom it may concern:

Be it known that I, GUSTAV A. RUEMMLER, a citizen of the United States of America, residing at Yonkers, county of Westchester, State of New York, have invented certain new and useful Improvements in Golf-Sticks, of which the following is a specification.

In golf-sticks as now manufactured, the handle and the head are made out of two separate pieces of wood, joined together by gluing and wrapping wire or twine around the joint, or by a sleeve surrounding the joint. Hard hitting frequently breaks the stick at this joint, and as now made the head of the stick prevents a striking-surface of the stroke-wood, and the edges soon fray, and round off, whereby the striking area is diminished.

The object of my invention is to provide a strong, durable golf-stick, made out of one continuous piece of wood, thereby doing away with the joint between the handle and the head, and thus increasing its strength; also in constructing the top and bottom surfaces of the head out of layers preferably alternately of stroke-wood and crossgrain, thus obtaining a hard hitting surface and also preventing the fraying of its edges.

In the accompanying drawings, Figure 1 represents a top view of the head of my improved golf-stick; Fig. 2 a side view; Fig. 3 a sectional view on the line *x-x* of Figs. 1 and 2; Fig. 4 a side view of the whole stick. Fig. 5 represents a side view of the handle of a golf-stick as now constructed, and Fig. 6 a front view of a complete golf-stick as now constructed, showing the joint between the handle and the head.

Similar letters refer to similar parts throughout the several views.

A is the handle of the stick, its lower part being bent so as to form the head B.

b b are layers of stroke wood and *c c* layers of end wood, glued together and to the head of the stick.

C is a piece of rawhide or horn, let into the edge of the bottom of the striking-surface. The grain of the handle of course runs in the direction of its length. The grains of all the layers run in planes parallel thereto *i. e.* in the planes of the layers themselves. The grain of the stroke-wood layers (*b b*) are parallel to the grain of the handle and the grain of the end wood layers (*c c*) cross, and are preferably at right angles to, the grains of the handle of the other layers. It is immaterial what may be the direction of the grain in the outer layers as there is very little wear on the upper layer and the lower layer is protected by the piece C.

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

A golf stick having a composite head made up of layers laid on an extension of the handle, with the grains lying in the planes of the layers, substantially as described.

Signed by me, this 3d day of February, 1893, in Yonkers, New York.

GUSTAV A. RUEMMLER.

In presence of—
FREDERIC L. COBB,
WALTER E. HODGMAN.