No. 676,736. Patented June 18, 1901.

W. DEAN.

HOCKEY STICK.

(Application filed Nov. 3, 1900.)

(No Model.)

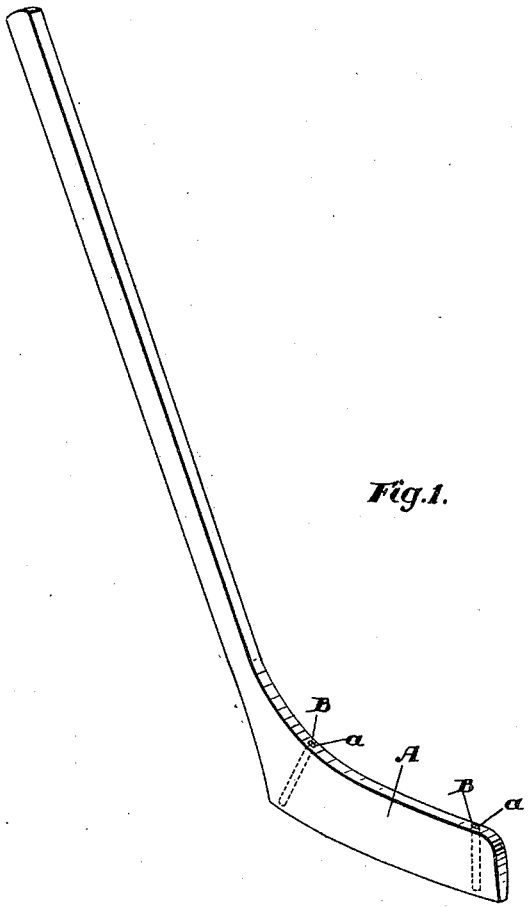

Fig. 1.

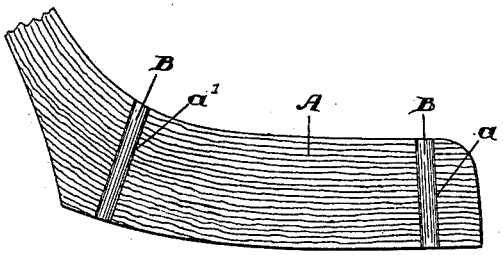

Fig. 2.

Witnesses.

B. Dennison.

W. J. McCarreth

Inventor.

Walter Dean

UNITED STATES PATENT OFFICE.

WALTER DEAN, OF TORONTO, CANADA.

HOCKEY-STICK.

SPECIFICATION forming part of Letters Patent No. 676,736, dated June 18, 1901.

Application filed November 3, 1900. Serial No. 35,416. (No model.)

To all whom it may concern:

Be it known that I, WALTER DEAN, boat-builder, of the city of Toronto, in the county of York, in the Province of Ontario, Canada, have invented a new and useful Improvement in Hockey-Sticks, of which the following is a specification.

My invention relates to improvements in hockey-sticks; and the object of the invention is to design a stick which can be made light and strong with but a minimum chance of the blade splitting, formed as hereinafter more particularly explained.

Figure 1 is a perspective view of a hockey-stick constructed in accordance with my invention. Fig. 2 is a longitudinal vertical section of the blade.

In the drawings like letters of reference indicate corresponding parts in each figure.

A is the blade of the stick. *a* and *a'* are holes bored through the blade from top to bottom.

B represents dowels or pins of hardwood or other suitable strong material.

In forming my hockey-stick I preferably bore one or more holes *a* and *a'* across the grain of the wood and then insert or drive in the pins B. The pins B may be glued or cemented or may be only driven into the holes *a* and *a'*.

It will be readily seen that a blade formed as shown will be very strong and will not split.

Ordinary hockey-sticks crack and the lower half of the blade breaks entirely away from the upper. I have proved by actual tests that my sticks will not break in this manner, and it will be seen that they will be of great advantage to hockey players.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. In a hockey-stick, in combination with the handle, and the blade thereof disposed at the required angle thereto, comprising a substantially flat and solid piece of wood, shaped as shown, composed of an upper and a lower portion, the grain of the upper portion of said blade running approximately lengthwise of the same and continuing into the said handle and running lengthwise of the same, the lower portion of said blade forming an integral part of said blade, the grain of said lower portion running lengthwise of the same, but not continuing into the said handle, the said upper and lower portions of said blade being centrally provided with two holes *a*, and *a'*, of even bore throughout which run approximately transversely to the grain of said upper and lower portions of said blade, from the surface of the upper edge of the upper portion of said blade to the surface of the lower edge of the lower portion of said blade, the top of the hole *a*, being nearer the upper rearwardly-extending corner of the toe of said blade than its lower end is near the lower forwardly-extending corner of said toe, and the hole *a'*, being nearer the heel of said blade than the center of the same, of a pin fitted tightly in each of said holes, the upper end of each pin being flush with the surface of the upper edge of the upper portion of said blade, and the lower end of each pin being flush with the surface of the lower edge of the lower portion of said blade so that the said lower edge may, for the required distance, and at any point of said lower edge, be brought into direct contact with the surface upon which said blade is placed, as and for the purpose specified.

2. In a hockey-stick, in combination with the handle, and the blade thereof disposed at the required angle thereto, comprising a substantially flat and solid piece of wood, shaped as shown, composed of an upper and a lower portion, the grain of the upper portion of said blade running approximately lengthwise of the same and continuing into the said handle and running lengthwise of the same, the lower portion of said blade forming an integral part of said blade, the grain of said lower portion running lengthwise of the same, but not continuing into the said handle, the upper and the lower portions of said blade being centrally provided with holes running approximately transversely to the grain of said upper and lower portions of said blade, of a pin fitting tightly each of said holes, each pin being flush with the surface of the lower edge of the lower portion of said blade, so that the said lower edge may, for the required distance, and at any point of said lower edge, be brought into direct contact with the surface upon which said blade is placed, as and for the purpose specified.

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

WALTER DEAN.

Witnesses:
JAMES SPINK,
W. J. N. CARRETH.