(No Model.)

W. & J. B. HEIGHINGTON.

CRICKET BAT.

No. 442,046. Patented Dec. 2, 1890.

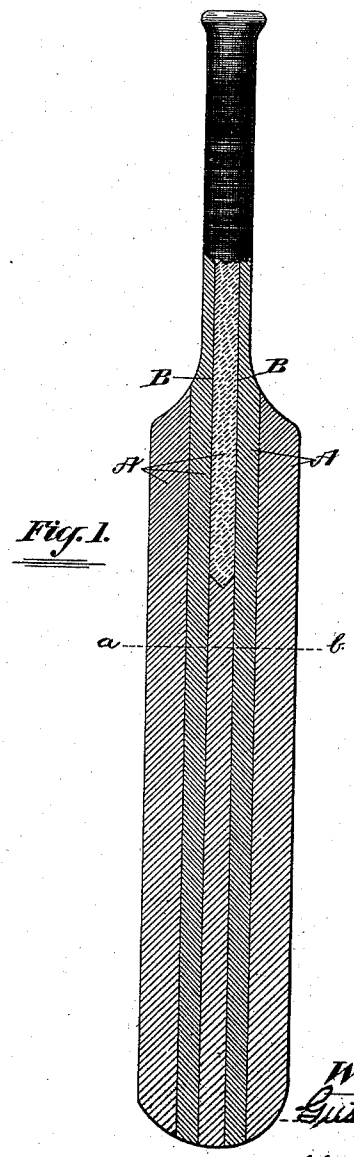


Fig. 1.

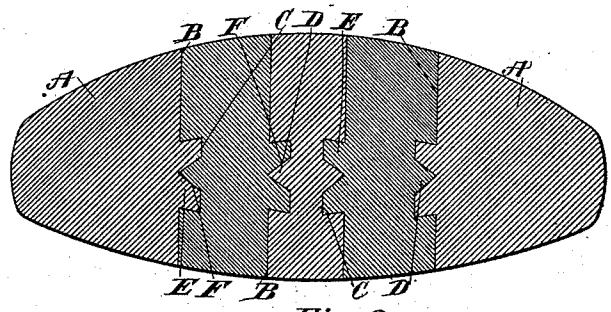


Fig. 2.

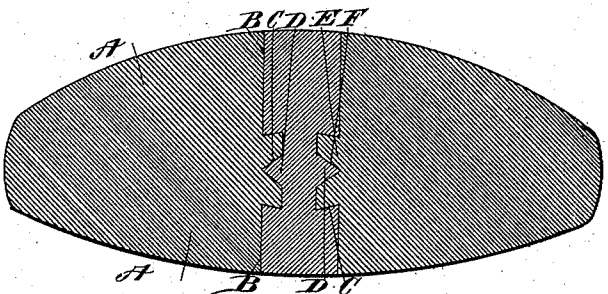


Fig. 3.

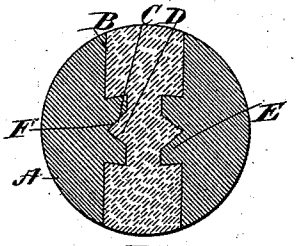


Fig. 4.

Witnesses.
Gustav. A. Dietz
H. Riches

Inventors.
W. Heighington
J. B. Heighington
per
Graham and Riches
Attorneys.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

WILLIAM HEIGHINGTON AND JOHN BREARLY HEIGHINGTON, OF TORONTO, CANADA.

CRICKET-BAT.

SPECIFICATION forming part of Letters Patent No. 442,046, dated December 2, 1890.

Application filed November 22, 1889. Serial No. 331,211. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM HEIGHINGTON and JOHN BREARLY HEIGHINGTON, pattern-makers, of the city of Toronto, in the county of York, in the Province of Ontario, Canada, have jointly invented certain new and useful Improvements in Cricket-Bats, of which the following is a specification.

The object of our invention is to make a strong, solid, compact, and cheaply-constructed cricket-bat which when injured can be easily and cheaply repaired; and it consists, essentially, of making the bat of several longitudinal sections joined together by an improved means, which consists, essentially, of a self-interlocking joint, in the groove or channel of which is joined a V or wedge shaped tongue running longitudinally in the said groove and forming in the tenon a V or wedge shaped groove corresponding to the V or wedge shaped tongue in the groove or channel. The groove in the tenon is somewhat smaller than the wedge-shaped tongue, so that when the tenon and the groove are brought together the tongue, pressing into the groove, expands the tenon so as to fit closely the reclining sides of the groove, thus making a perfectly strong, solid, and compact joint.

In the drawings, Figure 1 is a sectional view of a cricket-bat, showing several longitudinal sections joined by our improved means. Fig. 2 is a cross-section of Fig. 1 at A B. Fig. 3 is a cross-section of a cricket-bat composed of three longitudinal sections. Fig. 4 is a cross-section of the handle.

Like letters of reference refer to like parts throughout the specification and drawings.

Our improved bat consists of a number of longitudinal sections A, compactly and solidly joined by means of an improved joint B, which consists, essentially, of a groove or channel C, having formed in it a V or wedge shaped tongue D, running longitudinally through the said groove, and a tenon E, having a groove F formed in it, corresponding to the tongue D. The groove F is made somewhat smaller than the tongue D, so that when the tenon E is fitted into the groove C the tongue D, pressing into the groove F, expands the tenon E outward against the reclining sides of the groove or channel C, thus making a strong, solid, compact, and perfectly water or air tight joint.

As is well known to manufacturers of cricket-bats and the like, it is extremely difficult to obtain a piece of wood large enough to manufacture the article entirely free from flaws, and consequently a large part of the valuable timber is thrown away as useless, and thus the price of not only the actual cost of manufacture and material used, but also the cost of the material that is wasted, is placed upon the bat. By making the bat of several sections A, by our method we are enabled to make as strong and as durable a bat and to use the choicest parts of the timber, thus saving a large amount of material and considerably reducing the cost of manufacture.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. As an improvement in cricket-bats, the combination of a series of sections, the meeting face of one of the series being provided with a central longitudinal tongue or tenon having a V-shaped groove and the contiguous section provided with a longitudinal groove registering with the tenon of the adjacent section, and also provided with a tongue fitting into the V-shaped groove of said tenon, substantially as set forth.

2. As an improvement in cricket-bats, the combination of a series of sections, the meeting face of one of the series being provided with a central longitudinal tongue or tenon having a central V-shaped groove, the outer sides of which are inclined, and the contiguous section provided with a groove having the sides which border the same inclined so as to register with the inclines of the tongue or tenon, and also provided with a tongue fitting in the V-shaped groove of said tenon, the tongue being somewhat larger than said groove, so as to expand the tenon and effect a close fit against the reclining sides of the groove, substantially as set forth.

Toronto, October 18, 1889.

WILLIAM HEIGHINGTON.
JOHN BREARLY HEIGHINGTON.

In presence of—
CUSTAR A. PRIEST,
H. RICHES.