

(No Model.)

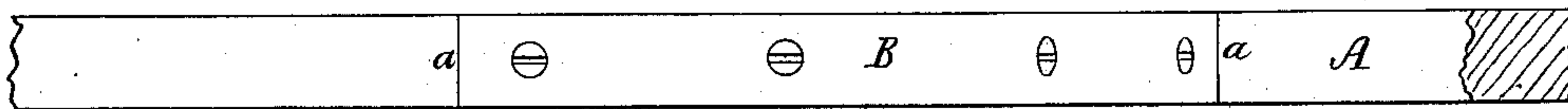
H. H. BUCK.

KNEE FOR BOATS OR OTHER VESSELS.

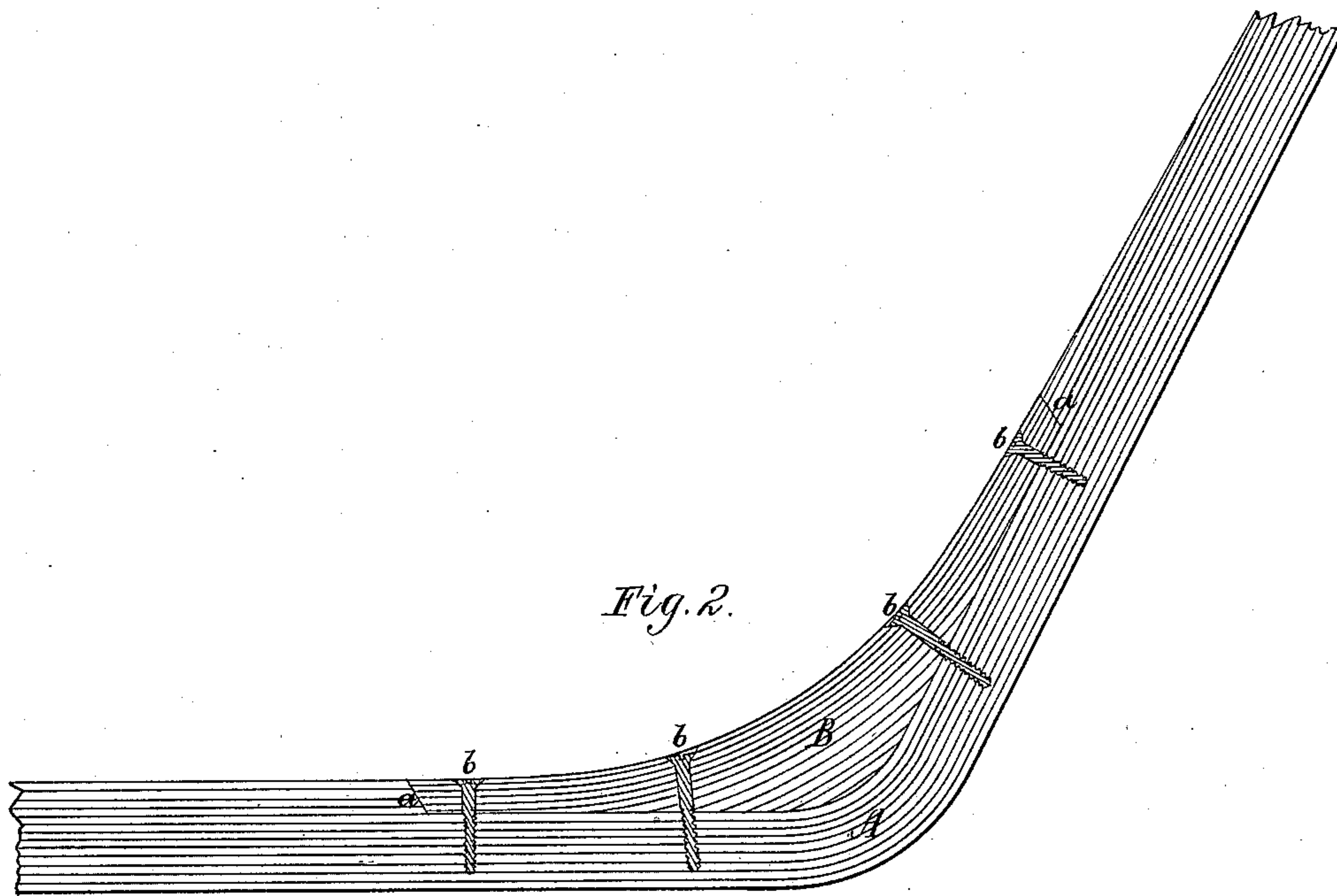
No. 362,487.

Patented May 10, 1887.

*Fig. 1.*



*Fig. 2.*



Witnesses.  
S. N. Piper  
W. B. Torrey

Inventor.  
Harry H. Buck.  
by R. W. Edger atty.

# UNITED STATES PATENT OFFICE.

HARRY HILL BUCK, OF ORLAND, MAINE.

## KNEE FOR BOATS OR OTHER VESSELS.

SPECIFICATION forming part of Letters Patent No. 362,487, dated May 10, 1887.

Application filed February 21, 1887. Serial No. 228,323. (No model.)

*To all whom it may concern:*

Be it known that I, HARRY HILL BUCK, of Orland, in the county of Hancock, of the State of Maine, have invented a new and useful Improvement in Knees for Boats or other Navigable Vessels, &c.; and I do hereby declare the same to be described in the following specification and represented in the accompanying drawings, of which—

10 Figure 1 is a side view, and Fig. 2 a longitudinal section, of a knee of my invention, the nature of which is defined in the claim hereinafter presented.

15 It is composed of two pieces, A and B, of wood, bent, formed, and arranged as shown in the drawings, and connected together by screws or other means. The longer piece is bent at its middle at an obtuse angle, and is recessed to receive the shorter piece, which is  
20 arched, and thicker, as shown, at the crown of the arch than at the extremities, its ends abutting against shoulders *a a*, formed in the longer piece. Both pieces are secured together by screws *b*, going through the shorter and screwed  
25 into the longer of them; or they may be connected by water-proof glue or other means suitably applied to them. The shoulders in the longer piece operate to prevent the pieces from sliding on one another when strain is  
30 brought on the longer of them, tending to bend

or contract it. Each piece, before being applied to the other, is to be steamed and bent into shape, and has the grain of the wood of which it is composed running longitudinally throughout it.

I do not claim a knee made as shown in the United States Patent No. 200,632, in which the knee is represented without any recess or notch in its outer or bent part or any arched or shorter piece inserted within such recess and  
35 butting against the ends thereof and connected to the longer or recessed part by screws, as is the case in my improved knee for navigable vessels. Nor do I claim any construction shown in the United States Patent No. 27,298,  
40 in which no knee or any equivalent therefor is shown as made like my said improved knee.

I claim—

As an improved manufacture, the knee, substantially as described, composed of the bent  
45 and recessed longer piece and the arched or shorter piece, wider at its middle than at its ends, and arranged within and applied to the longer piece and its shoulders, essentially as set forth.

HARRY HILL BUCK.

Witnesses:

A. R. BUCK,  
O. P. CUNNINGHAM.