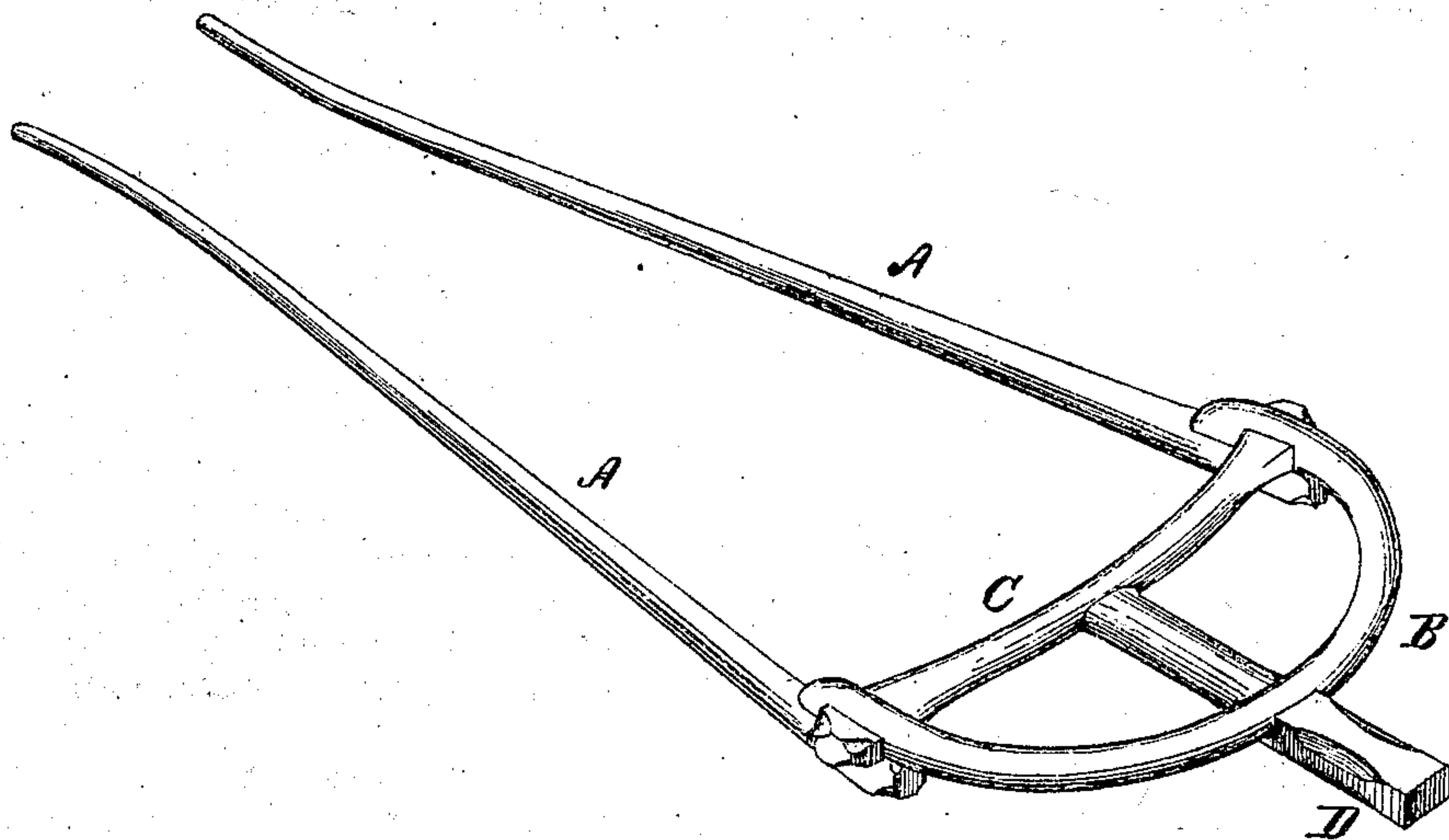


O. A. HILLMAN.

Thills for Mowing-Machines.

No. 133,706.

Patented Dec. 10, 1872.



Witnesses.

J. Snowden Bell.
Geo. Peyton.

O. A. Hillman

Wm. D. Baldwin

UNITED STATES PATENT OFFICE.

OZRO A. HILLMAN, OF PROVIDENCE, RHODE ISLAND.

IMPROVEMENT IN THILLS FOR MOWING-MACHINES.

Specification forming part of Letters Patent No. **133,706**, dated December 10, 1872.

To all whom it may concern:

Be it known that I, OZRO A. HILLMAN, of Providence, Rhode Island, have invented a new and useful Improvement in Thills for Mowing-Machines or other vehicles, of which the following is a specification:

The object of my invention is to provide strong, simple, and substantial thills, which can be economically constructed, and conveniently attached to the machine.

In the accompanying drawing, which is a view, in perspective, of my improvement, the shafts A are shown as attached at their rear ends to a segmental brace, B, a cross-brace, C, being interposed at their points of junction and firmly secured to them. A reach, D, secured to the braces C and B, connects the thills firmly with the machine.

The reach may be bent downward, if preferred, when a low frame is employed, and can be connected to the frame by a pin or bolts, in any well-known way.

It is obvious that the brace B might be made elliptical without departing from the spirit of my invention, but I prefer to make it of a regular curve, and substantially semicircular:

I have described my invention as adapted to mowing-machines, but it is obviously applicable to other machines or vehicles.

By this construction substantial, durable, and neat thills are provided, and the method of bracing the rear ends of the shafts insures ample strength and firmness to the thills, and enables them to be connected to the machine in a convenient manner, and with the least possible expenditure of material in their construction.

I claim as my invention—

1. The combination of the shafts, the segmental brace, and the interposed cross-brace, all rigidly bolted together, as set forth.

2. The combination of the shafts, the segmental brace, the interposed cross-brace, and the reach, all rigidly bolted together, as set forth.

In testimony whereof I have hereunto subscribed my name.

OZRO A. HILLMAN.

Witnesses:

ERVIN T. CASE,
GEORGE N. BLISS.