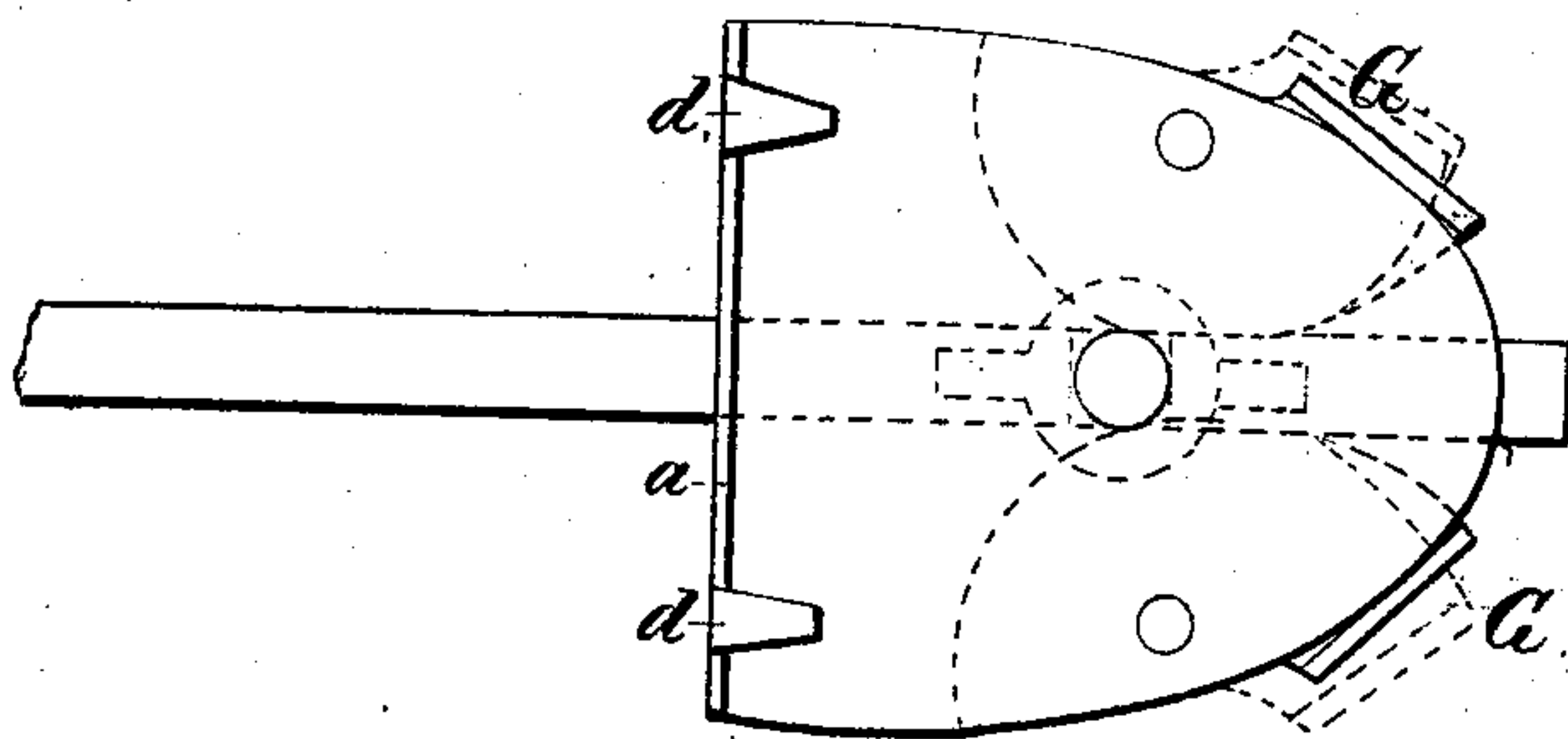
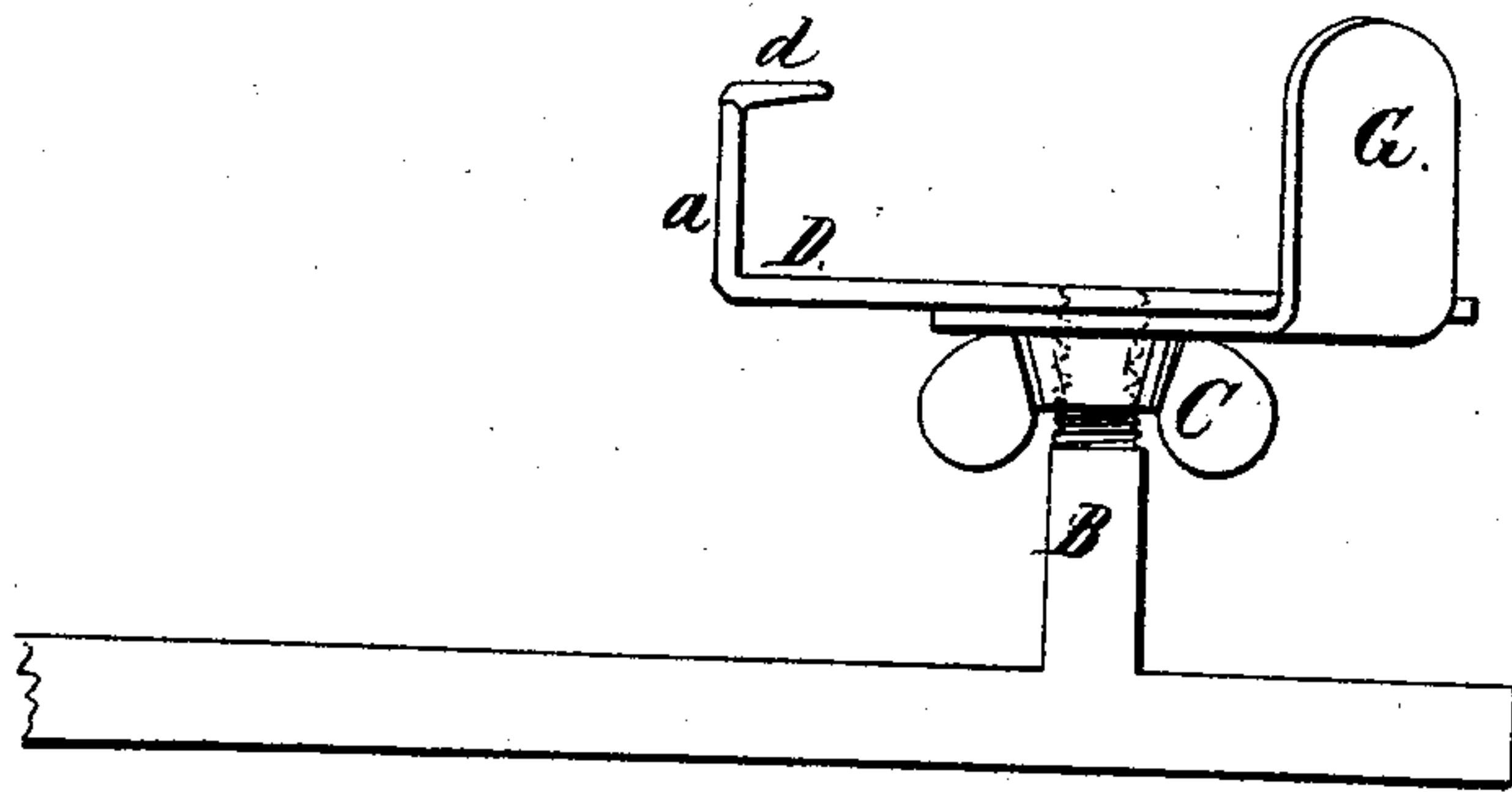


H. B. Hooker,

Skate.

N^o 82,953.

Patented Oct. 13, 1868.



Witnesses:

Chas & H. Ebbard

W. Lorenzo, Sags

Inventor

H. B. Hooker,

United States Patent Office.

HORACE B. HOOKER, OF ROCHESTER, NEW YORK.

Letters Patent No. 82,953, dated October 13, 1868; antedated September 28, 1868.

IMPROVEMENT IN SKATES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, HORACE B. HOOKER, of the city of Rochester, in the State of New York, have invented a new and useful Improved Skate; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, making part of this specification, in which—

Figure 1 is a side elevation.

Figure 2 is a top view.

Like letters of reference indicate corresponding parts.

To enable those skilled in the art, I will proceed to describe its construction and operation.

On the rear end of any kind of skate, I put a post, B, on the top end of which I cut a thread and put a jam-nut, C, and I also attach rigidly a heel-plate, D, on the top end, above the jam-nut C.

The front part of the plate D has a flange, *a*, and the flange has formed on it two or more spurs, *b*, made parallel with the plate D.

On the rear of the plate D, I pivot two clamps, G, which are adjustable transversely, and held to any desired position by the jam-nut C. There may be a washer put between the clamps and the jam-nut, if required, and the heel of the runner may be turned

upwards so as to form the post for the heel-plate, if preferred, and form an elastic bearing.

The object of this invention is to make an adjustable fastening for the heel of the boot on the heel-plate of a skate.

The operation is such that the heel of the boot, having small holes in the front for the spurs *b*, they are entered on placing the heel on the plate. The clamps are drawn up to the back of the heel, the jam-nut C is then screwed up to the parallel portion of the clamp, which is held firmly between the nut C and plate D, and the perpendicular portion of the clamp G holds the heel firmly, (in conjunction with the flange *a*.)

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

A skate, having a heel-plate, D, with its flange *a*, and spurs *b*, in combination with the adjustable clamp G and jam-nut C, all acting conjointly, as herein shown, and for the purpose set forth.

H. B. HOOKER.

Witnesses:

IRA A. HEBBARD,
JAS. LORENZO GAGE.