

J. H. VAN DORN.
Iron Fence.

No. 210,825.

Patented Dec. 10, 1878.

Fig 1.

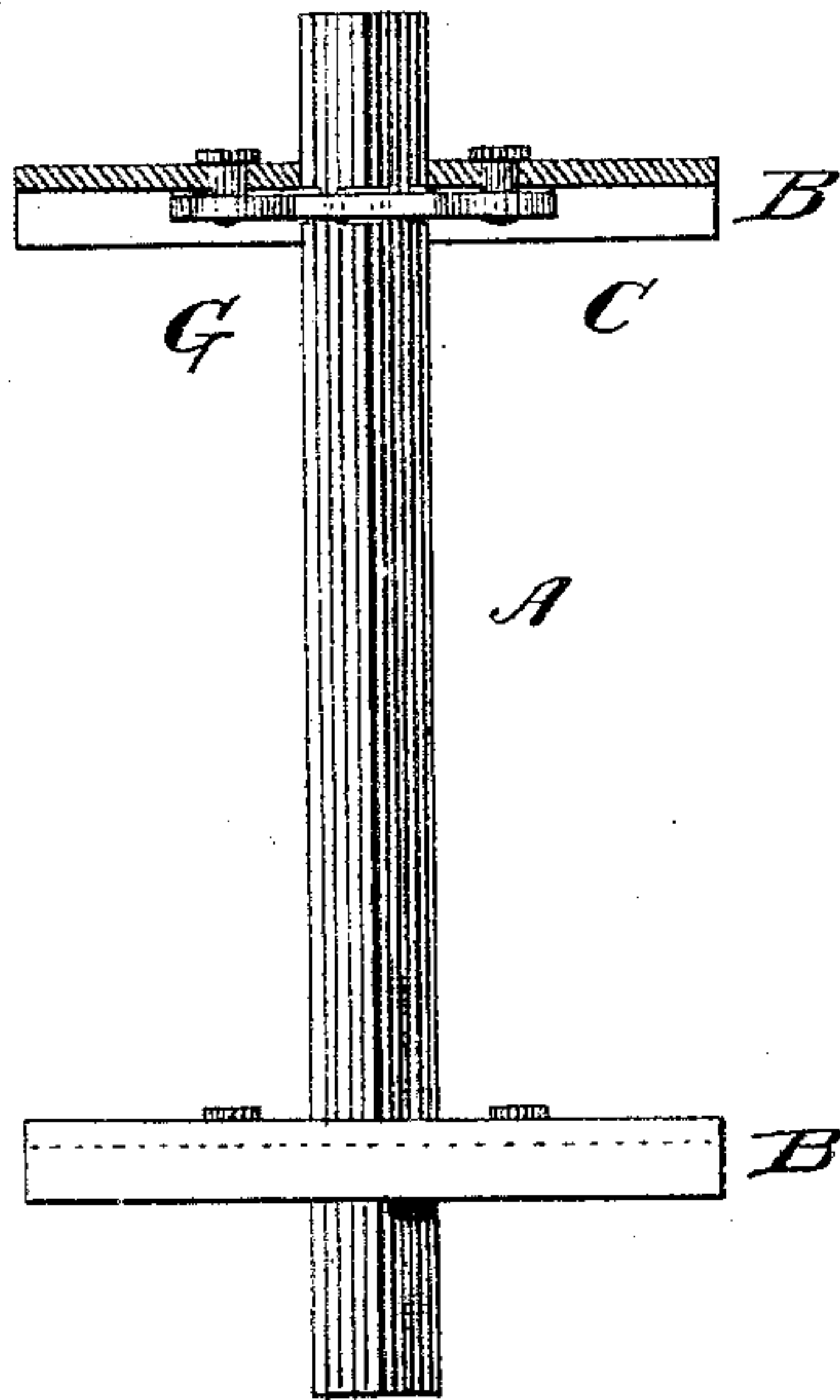
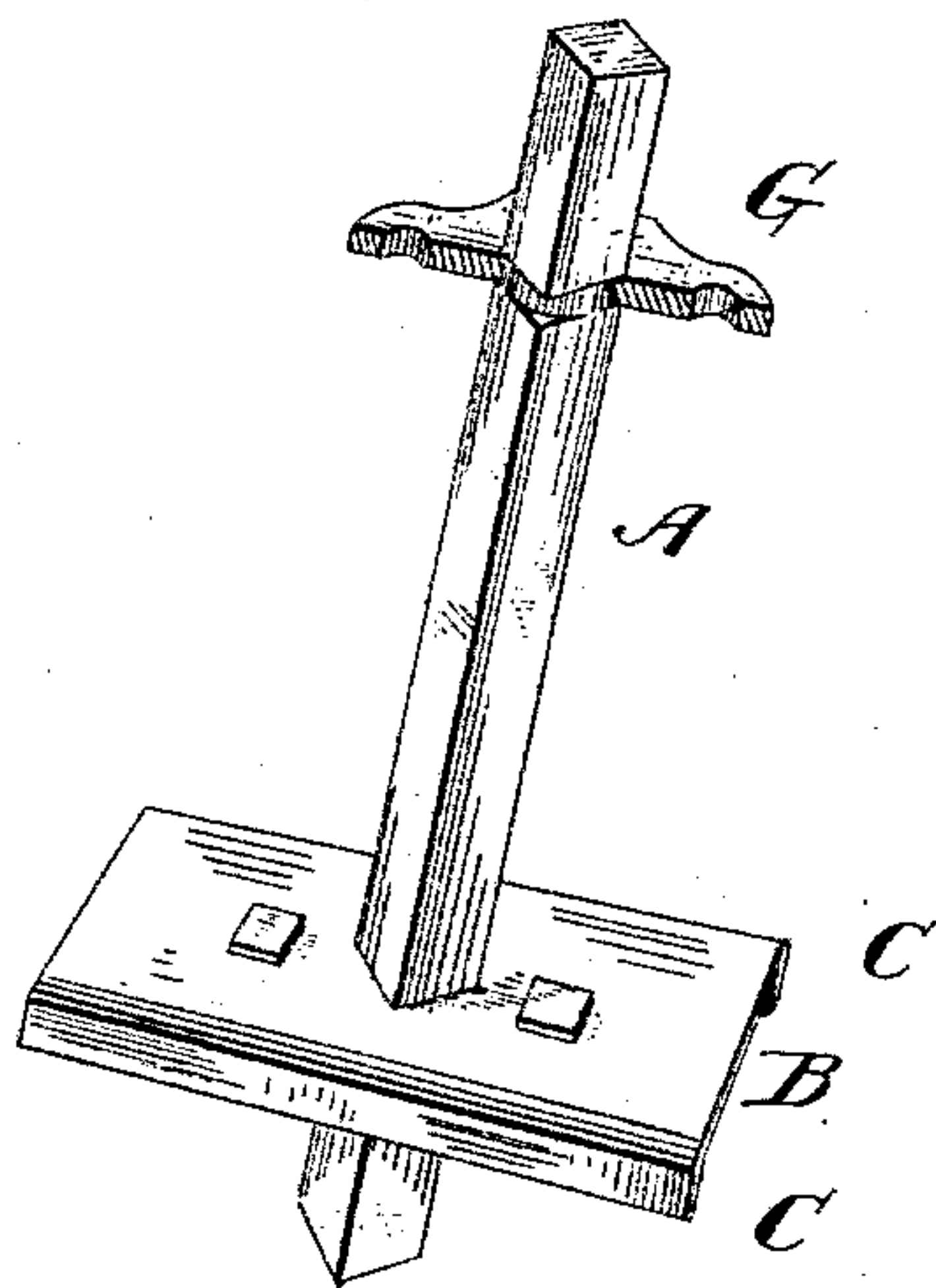


Fig 2.



Witnesses

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UNITED STATES PATENT OFFICE.

JAMES H. VAN DORN, OF CLEVELAND, OHIO.

IMPROVEMENT IN IRON FENCES.

Specification forming part of Letters Patent No. **210,825**, dated December 10, 1878; application filed August 6, 1877.

To all whom it may concern:

Be it known that I, JAMES H. VAN DORN, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Iron Fences; and I do hereby declare the following to be a full and exact description of the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 is an elevation of a picket with one of the stringers in section, and Fig. 2 a perspective view with one of the stringers detached and the washer partly broken away.

Similar letters of reference in the accompanying drawings denote the same parts.

My invention consists in the means for securing the stringers to the pickets of iron fences, which I will now proceed to point out in detail.

In the drawings, A is a picket, and B B are the stringers, preferably made flat upon the upper surface and grooved upon the under surface, so as to form two parallel side flanges, C C. They are attached to the pickets in the following manner: The picket is notched at its corners, and a metal washer, G, having an opening corresponding with the cross-section of the picket, is slipped down on the picket and turned partly around to engage with the notches. The stringer is then applied to the picket and slipped down till it rests upon the washer, as shown in Fig. 1.

The washer and notches in the picket thus hold up the stringer, and the stringer and its flanges prevent the washer from turning to disengage from the notches of the picket. A perfectly secure and reliable fastening is thus obtained.

The washer and stringer can be secured to each other either by riveting or bolting them together, or by calking the picket upon the stringer, or in any convenient manner that will readily suggest itself to skilled workmen.

If the rail is made plain—that is to say, without side flanges—it may be riveted to the washers, to prevent the latter from turning on the pickets.

Having thus described my invention, what I claim as new is—

1. In an iron fence, the combination, with a stringer, of the notched picket A and the washer G, applied to the picket and adapted to support the stringer, substantially as described.

2. The combination, with the stringer B, having the downwardly-projecting side flanges, C C, of the picket A and the washer G, substantially as described, for the purpose specified.

JAMES H. VAN DORN.

Witnesses:

CHARLES BALFOUR,
CHARLES W. GUERNSEY.