

A. CLARKE.

Umbrella-Supports for Vehicles.

No. 159,795.

Patented Feb. 16, 1875.

FIG. I.

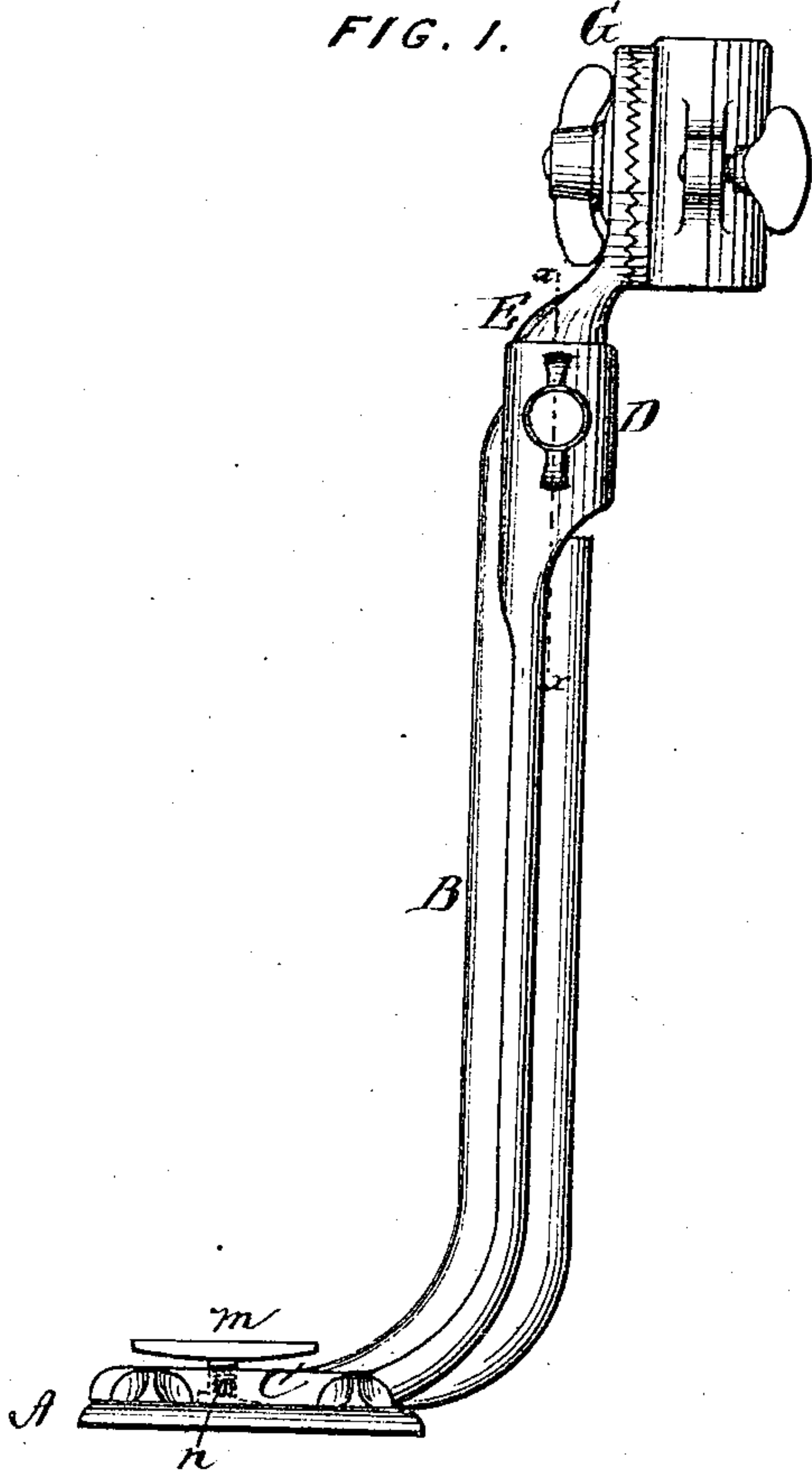


FIG. II.

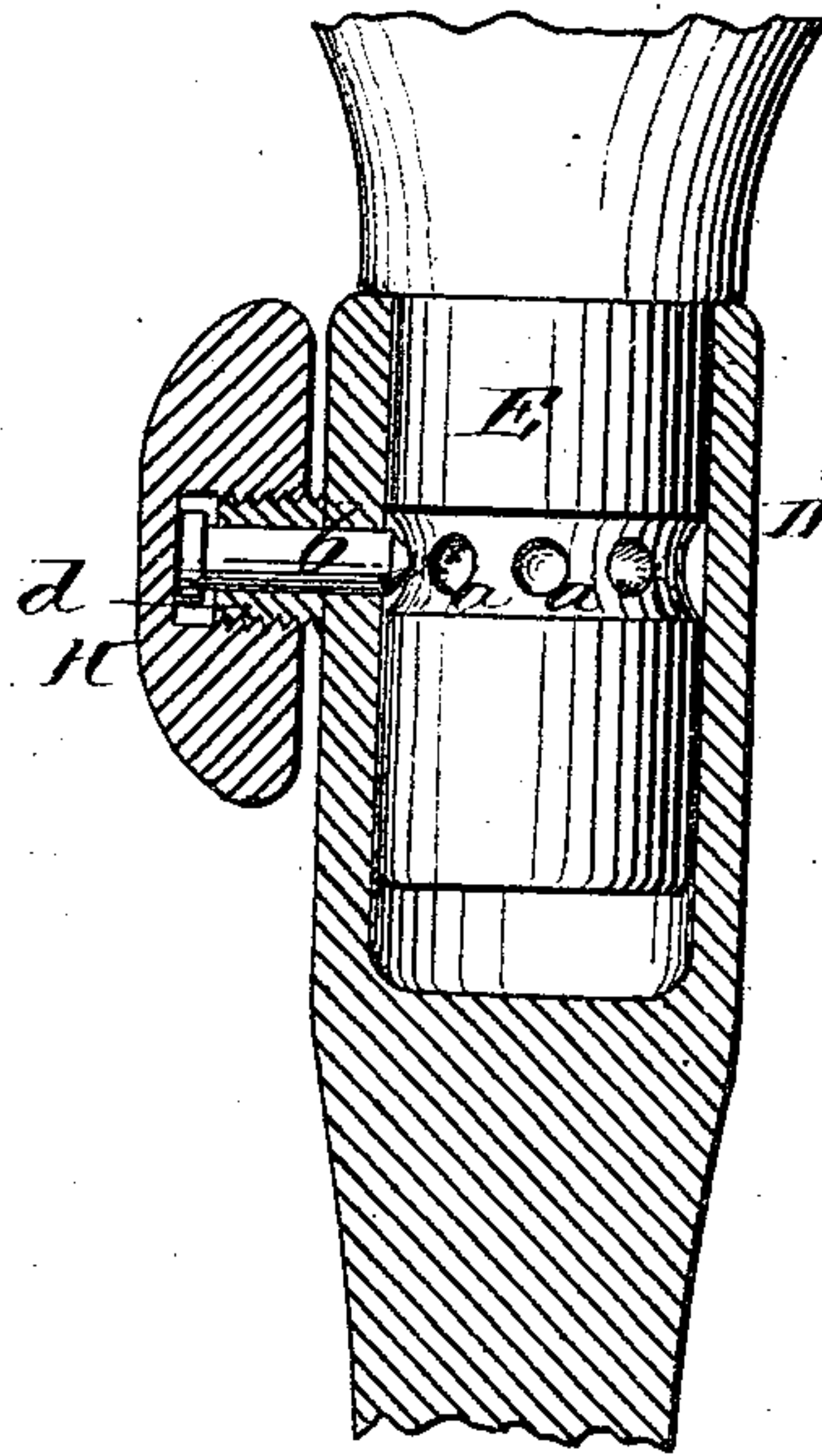


FIG. III.

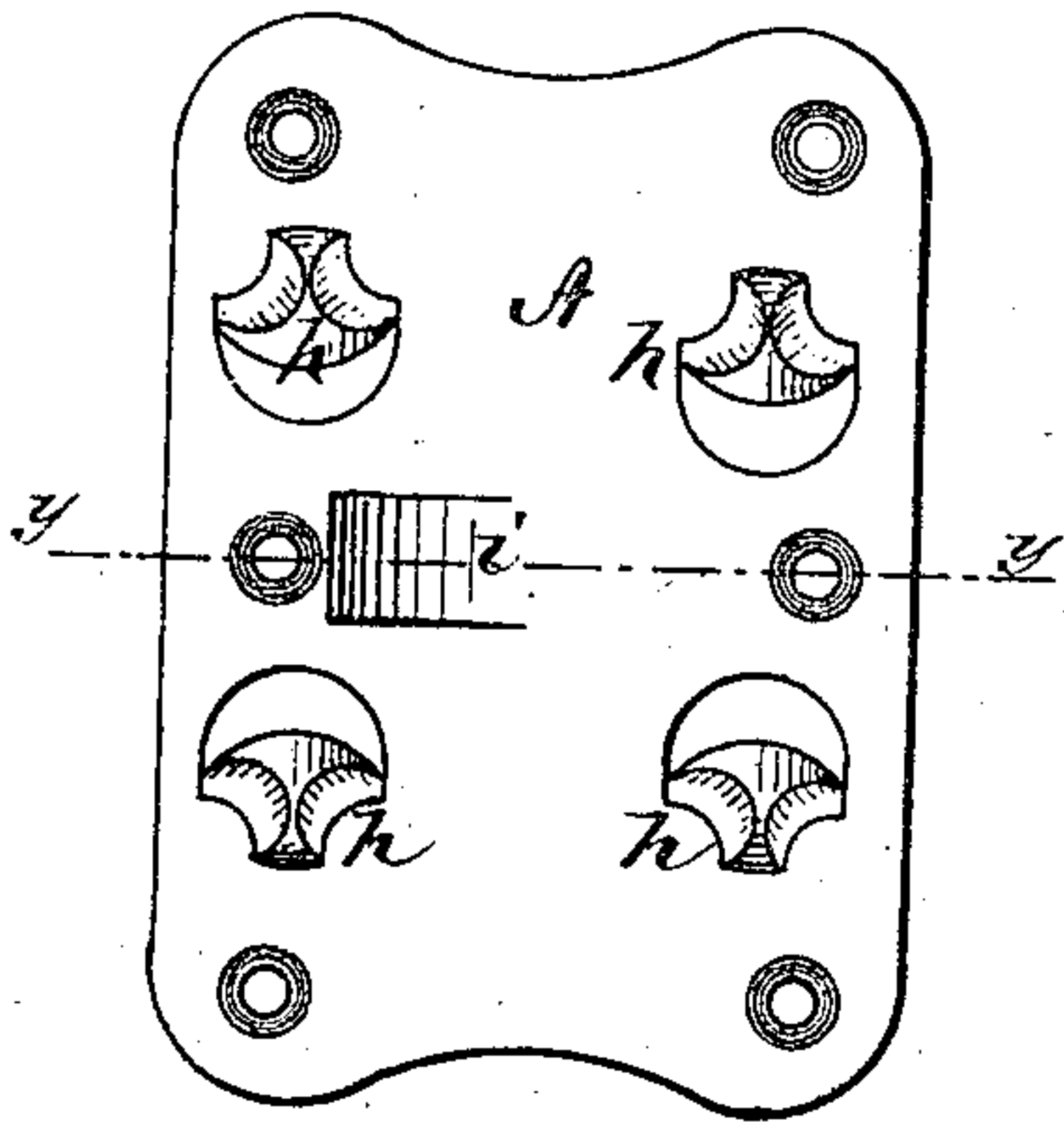


FIG. IV.

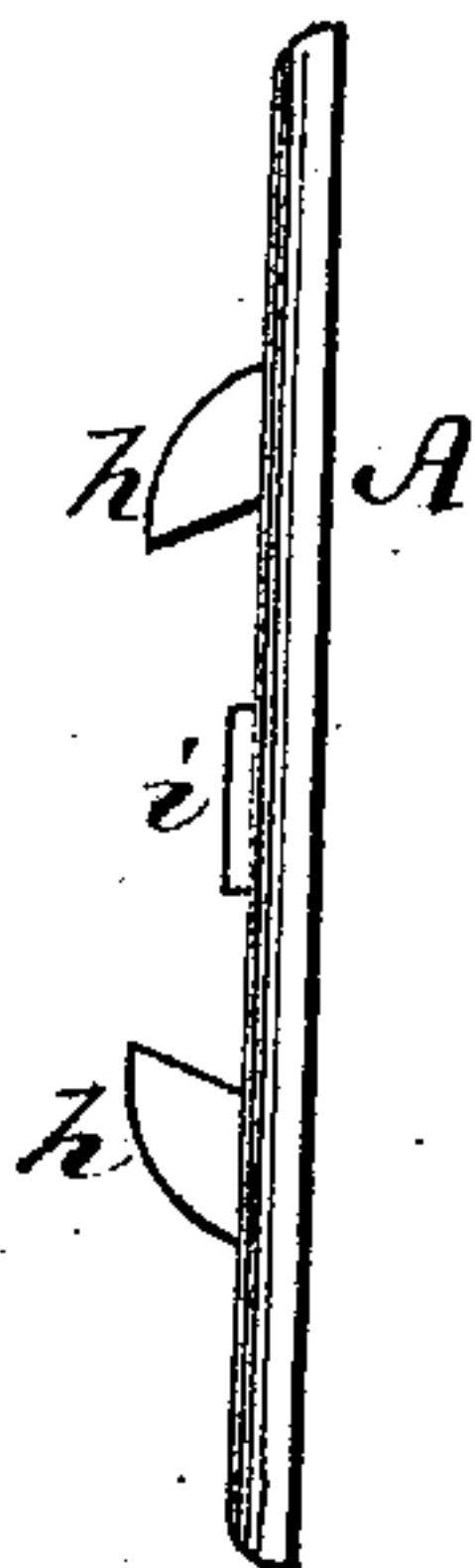
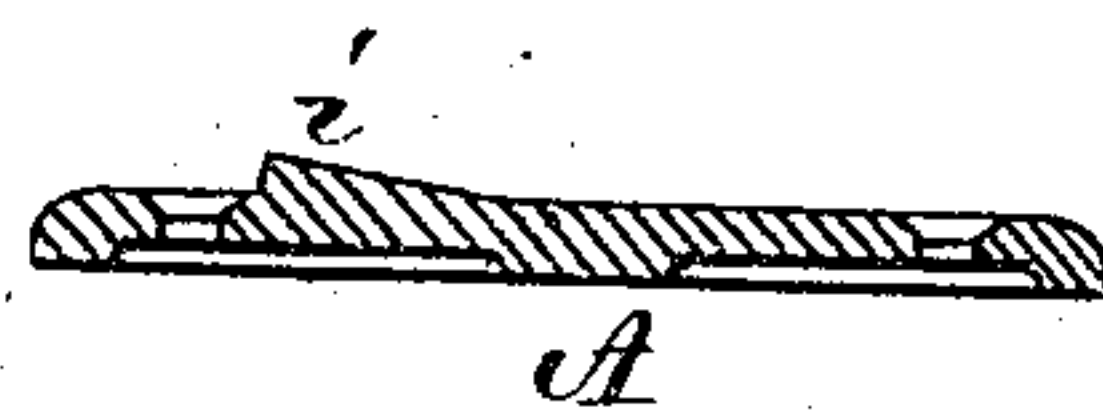


FIG. V.



WITNESSES:

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UNITED STATES PATENT OFFICE.

ALMON CLARKE, OF SHEBOYGAN, WISCONSIN, ASSIGNOR TO HIMSELF AND
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IMPROVEMENT IN UMBRELLA-SUPPORTS FOR VEHICLES.

Specification forming part of Letters Patent No. **159,795**, dated February 16, 1875; application filed
January 12, 1875.

To all whom it may concern:

Be it known that I, ALMON CLARKE, of Sheboygan, in the county of Sheboygan and State of Wisconsin, have invented certain new and useful Improvements in Umbrella-Supports for Carriages; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon.

My invention is intended as an improvement upon the umbrella-support for carriages for which Letters Patent No. 123,380 were granted to me February 6, 1872; and the nature of my invention consists in the construction of a clamp for the joint at the top of the standard, and also in the mode of attaching the standard to the bed-plate, all as herein-after more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, which forms a part of this specification, and in which—

Figure 1 is a side elevation of an umbrella-support for carriages embodying my invention. Fig. 2 is an enlarged section of the joint through the line *x x*, Fig. 1. Fig. 3 is a plan view of the bed-plate. Fig. 4 is a side view of the same. Fig. 5 is a section through the line *y y*, Fig. 3.

A represents the bed-plate, and B is the standard, with its foot C fastened on the bed-plate. At the upper end of the standard B is formed the sleeve or socket D, in which the spindle E of the upright disk G is inserted. In the spindle E are countersunk a series of holes or recesses, *a a*, in a circle around the spindle. *b* is a loose pin, the inner end of which is pointed and rests in one of the holes or recesses *a*. This pin passes through a boss, *d*, formed on the outside of the sleeve D, and which boss is provided with exterior screw-threads for the reception of a screw-cap, H. This cap surrounds and bears against the outer end of the pin *b*, and holds its inner pointed end in one of the recesses *a*. By loosening the

cap H the spindle E can be rotated in either direction, for as the pin, when the cap is loosened, is no longer pressed inward, it readily clears itself out of the recess when the spindle is turned, and the pin is again pressed home to the bottom of one of the recesses *a* by simply tightening the cap.

When thus fastened the joint is perfectly secure and cannot work loose by the jarring of the carriage; and the same device may be applied to other joints where needed.

On the surface of the bed-plate A are four projecting lugs, *h h*, forming a dovetailed tapering slide to retain the correspondingly-shaped foot C of the standard. Between the lugs *h* on the surface of the bed-plate is an inclined plane, *i*, the lowest part of which is toward the two lugs which are nearest together. Through the foot C passes a short screw, *n*, provided with a long low head, *m*, to be out of the way of the cushion. This screw is in such a position as to impinge upon the incline plane *i*. When this screw is tightened the foot C becomes very firmly fixed under the lugs of the bed-plate, and loosening it liberates the standard, so that it can be easily removed.

If the screw should become accidentally loosened a little the foot cannot come out, as the inclined plane *i* will prevent the lower end of the screw from moving outward. This device may be used for other similar purposes.

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

1. The combination of the sleeve D, having the threaded boss *d*, the shank E, having recesses *a a*, the loose pin *b*, and screw-cap H, all constructed to operate substantially as and for the purposes set forth.

2. The combination of the bed plate A, provided with lugs *h* and inclined plane *i*, the foot C, and screw *m n*, combined substantially as and for the purposes set forth.

ALMON CLARKE.

Witnesses:

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WM. SCHRAGE.