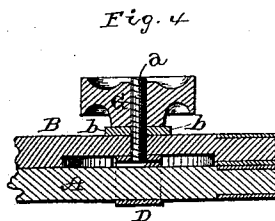
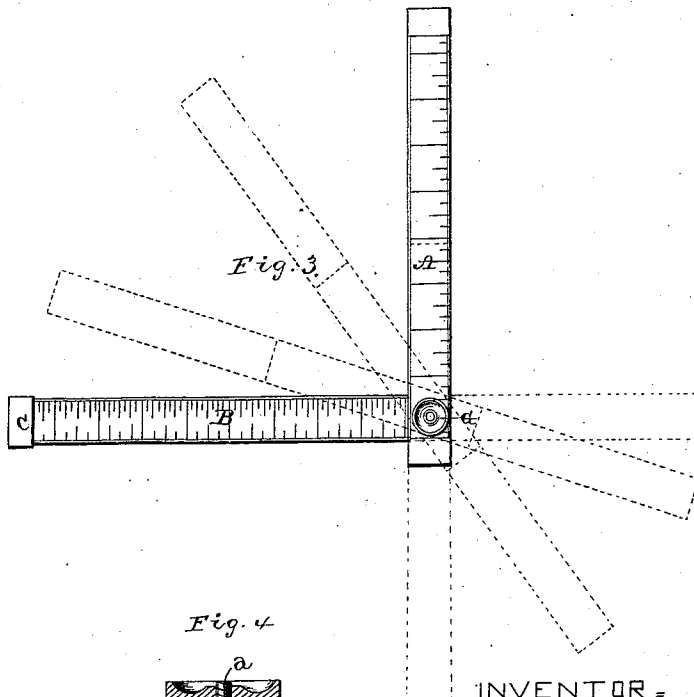
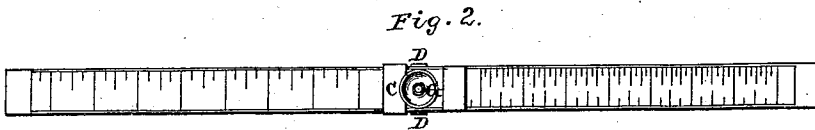
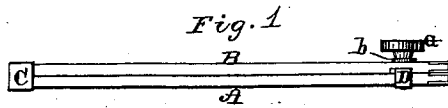


E. D. WATERBURY.
MEASURING RULE.

No. 183,608.

Patented Oct. 24, 1876.



WITNESSES=

Wm. Garner
F. M. Burnham

INVENTOR=

E. D. Waterbury
per
F. A. Lehmann, atty.

UNITED STATES PATENT OFFICE

EMERY D. WATERBURY, OF MASON CITY, IOWA.

IMPROVEMENT IN MEASURING-RULES.

Specification forming part of Letters Patent No. **183,608**, dated October 24, 1876; application filed August 2, 1876.

To all whom it may concern:

Be it known that I, EMERY D. WATERBURY, of Mason City, in the county of Cerro Gordo and State of Iowa, have invented certain new and useful Improvements in Measuring-Rules; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

The nature of my invention consists in the construction and arrangement of a combination and extension rule, as will be hereinafter more fully set forth.

In the annexed drawing, which fully illustrates my invention, A and B represent two bars or pieces of suitable dimensions, which may be of wood, lined on all sides with brass, or of any other suitable material. The bottom piece A is provided at one end with a square metal loop, C, through which the top piece B is passed. This top piece has, near the other end, on the other side, a circular recess, in which is placed a metal loop or clasp, D, and through this clasp the lower piece A passes, as shown.

From the center of the clasp D passes a screw, *a*, up through the piece B, and a washer, *b*, placed on the same, when a thumb-nut, G, is screwed on the screw to tighten the parts together.

The rule thus constructed will have all the various graduations that other rules have.

By loosening the nut G the top piece may be moved so as to extend the rule for taking intermediate lengths, such as for doors, windows, stairs, &c. By closing up the rule and moving the top piece B out of the loop or clasp C, the top piece may be turned to the right or left, as the clasp D is swiveled thereto. The top piece B is then moved along until it comes against the stationary clasp C, when the nut G is tightened and a square is formed.

The parts can be set to form any bevel desired, and may be used also as a yard-measure, lumber-gage, lumberman's measure, and other uses.

It is simple, cheap, and durable, and not liable to get out of order.

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

The combination of the pieces A and B, stationary clasp C, and swiveled clasp D, with screw *a* and thumb-nut G, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 21st day of July, 1876.

EMERY D. WATERBURY.

Witnesses:

WM. H. ANDERSON,
EMORY WYANT.