

A. D. KING.
Measuring Rod.

No. 62,756.

Patented March 12, 1867.

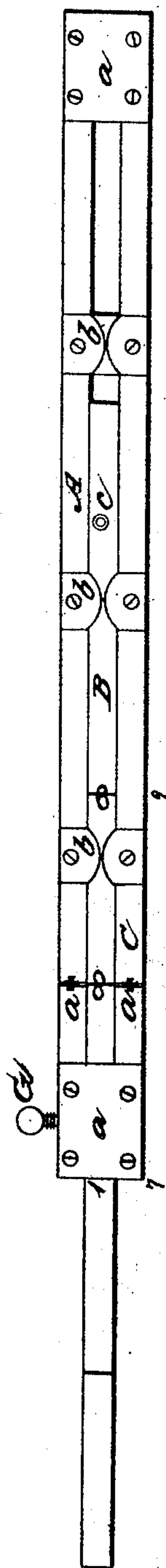


Fig. 1

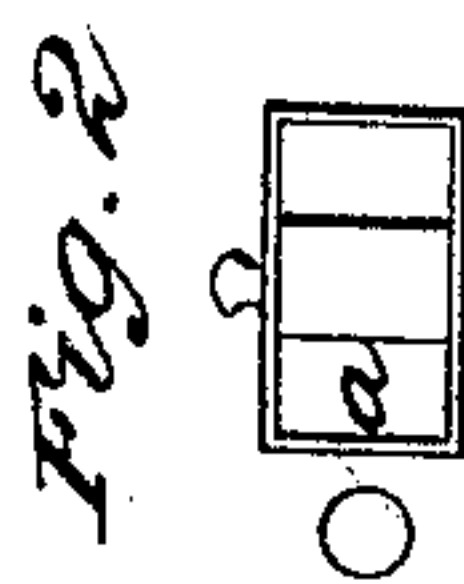


Fig. 2

Witnesses
John Jones
Louis C. Rodier

Inventor
A. D. King
by his attys
Gardner & Hyde

United States Patent Office

A. D. KING, OF GRANVILLE CORNERS, MASSACHUSETTS.

Letters Patent No. 62,756, dated March 12, 1867.

IMPROVEMENT IN MEASURING RODS.

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, A. D. KING, of Granville Corners, Hampden county, Commonwealth of Massachusetts, have invented a new and useful Improvement in "Measuring Rods;" and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon. In these drawings—

Figure 1 represents a side view of my invention; and

Figure 2 an end view.

My invention consists of a measuring rule or rod for carpenters, masons, &c., so arranged that it can be shut up so as to occupy less room, or can be extended so as to measure greater distances. It is also made so that it can be set at any point of extension, thus preserving the measurement.

In construction I form my device of a frame, consisting of two pieces, A and C, of the same length, which are connected by plates, *a a*, at each end, and similar ones on one side at suitable distances apart in between. These are arranged so that the pieces A and C are parallel and leave sufficient room between them for a third piece, B, also of the same length, to slide in. The plates before named form guides for this piece B, which is the extension. I do not wish to confine myself, however, to this particular manner of connecting the pieces A and C, as, instead of the plates *a a*, &c., bands may be put entirely around the frame at each end, and partially around it in the points between, leaving room upon one side for the knob *e*, upon the extension piece B, to pass the latter. The marks and figures on these pieces are arranged as may be most convenient to the work it is to be adapted to; and when extended, figures or marks upon the extension piece corresponding to those upon the pieces of the frame indicate the length of the whole measurement obtained by such extension. Thus, in Figure 7, the length of the frame we will suppose is six feet, the piece B being extended until the mark at Figure 8 coming opposite to the marks *d d* on the frame, indicates that the whole length of the rod is now eight feet, or the additional length two feet. These figures and marks can be arranged as most convenient, however, and according to the necessities of the work. The knob *e*, it will be seen, coming against the edges of the bands *a a* at each end of the frame, prevents the piece B from being entirely slid out. At one end is the set-screw G, which clamps the extension at any place it may be moved to.

The advantages of this invention are its compactness and neatness of construction, besides being the only rod of this sort that records the distance of extension at the lower part. My extension rule is particularly useful in measuring the heights of rooms, halls, arches, &c., as when the extension piece has been slid up to the point desired, the whole being in a vertical position, the measurement so obtained is shown upon the frame by means of the marks and figures before mentioned at a convenient and accessible height.

Now, having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

An extension measuring-rod consisting of the frame formed of the parallel pieces A and C, connected substantially as shown, and the extension piece B sliding in the same, the whole combined and arranged as herein set forth.

A. D. KING.

Witnesses:

J. M. GIBBONS,
R. H. BARLOW.