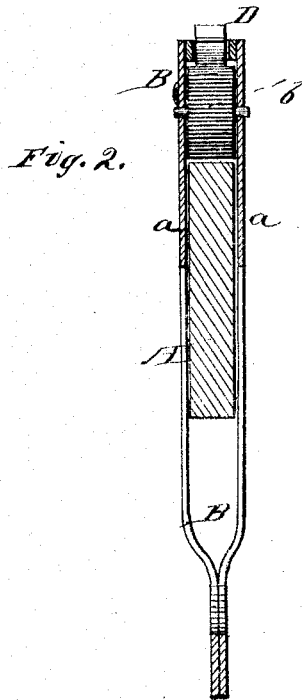
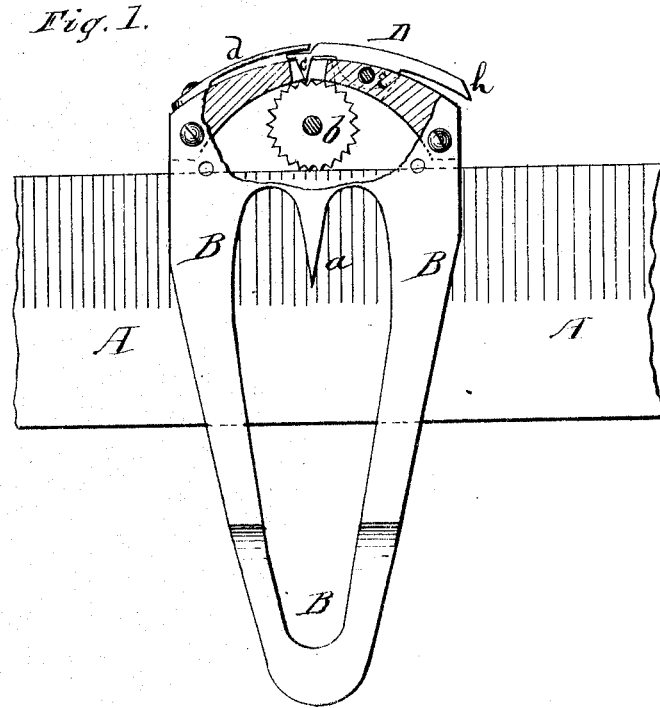


W. T. ROBINSON.

Scale-Beam.

No. 164,938.

Patented June 29, 1875



WITNESSES:

*P. C. Dieterich*

*H. C. McArthur*

INVENTOR

*Wm. J. Robinson*

per  
*C. H. Walbridge*  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

WILLIAM T. ROBINSON, OF HUNTSVILLE, TEXAS.

## IMPROVEMENT IN SCALE-BEAMS.

Specification forming part of Letters Patent No. **164,938**, dated June 29, 1875; application filed May 14, 1875.

*To all whom it may concern:*

Beit known that I, WILLIAM T. ROBINSON, of Huntsville, in the county of Walker and State of Texas, have invented certain new and useful Improvements in Scales; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to the movable weight used on scale-beams; and it consists in the construction and arrangement of the weight to slip over the scale-beam, and with a roller, upon which the weight rests or is suspended, in combination with a locking device, as will be hereinafter more fully set forth.

In the annexed drawing, Figure 1 is a side view of a scale-beam and weight embodying my invention, partly in section. Fig. 2 is a transverse section of the same.

A represents a scale-beam of suitable construction, having its upper edge made either smooth or with notches, and graduated on one or both sides, as desired. The weight B is constructed in such a manner that it will slip over the scale-beam A, and have its front and back open, so that the graduation of the scale-beam may be seen. In the upper part of the weight B, immediately above the slot or opening for the scale-beam, is made a recess for the reception of a roller, *b*, which moves upon

the upper edge of the scale-beam, and upon which the weight rests or is suspended, thereby facilitating the moving of the weight back and forth on the scale-beam, the roller to be smooth or with notches on its face, as is desired, to correspond with the scale-beam. In the center of the weight, on one or both sides, is an index-point, *a*, to show the number of pounds, &c., on the beam. At the top of the weight B is a locking-lever, D, provided with projection *c* to fit the teeth in wheel *b*. This lever is pivoted at *e*, and has a curved projecting portion, *h*, by which the lever is raised when desired. The lever D is held down by the spring *d*.

When it is desired to move the weight the part *h* of the lever D is pressed down, the weight moved, when the spring *d* throws projection *c* of the lever into the wheel, and the weight is locked.

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

The scale-beam A and weight B, in combination with the wheel *b*, lever D, and spring *d*, all constructed as and for the purpose specified.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

WILLIAM T. ROBINSON.

Witnesses:

SANDFORD GIBBS,  
ISAAC P. NIXON.