A. B. PEARSON.

Scale-Beam.

No. 203,290. Patented May 7, 1878.

FIG. 1.

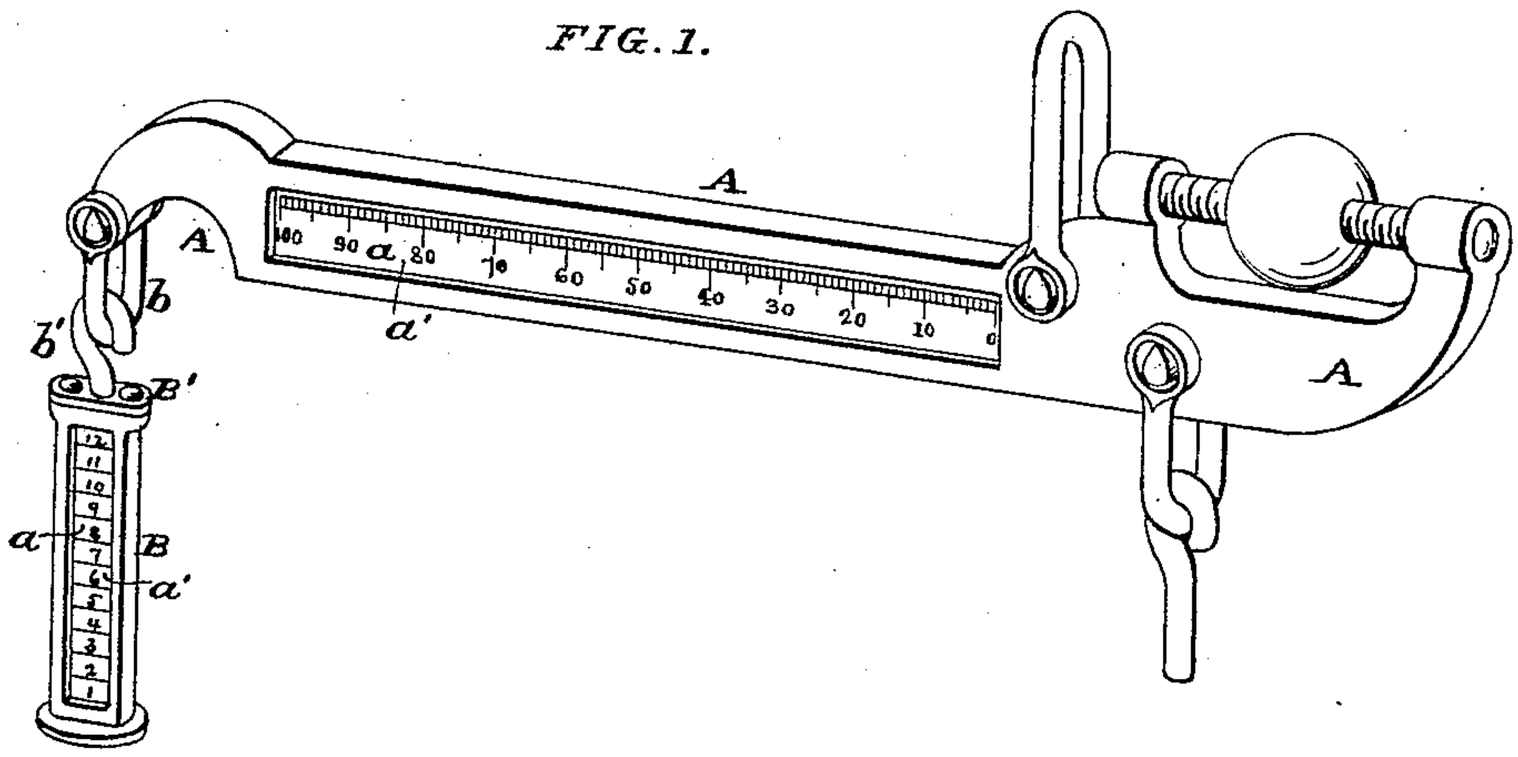


FIG. 2.

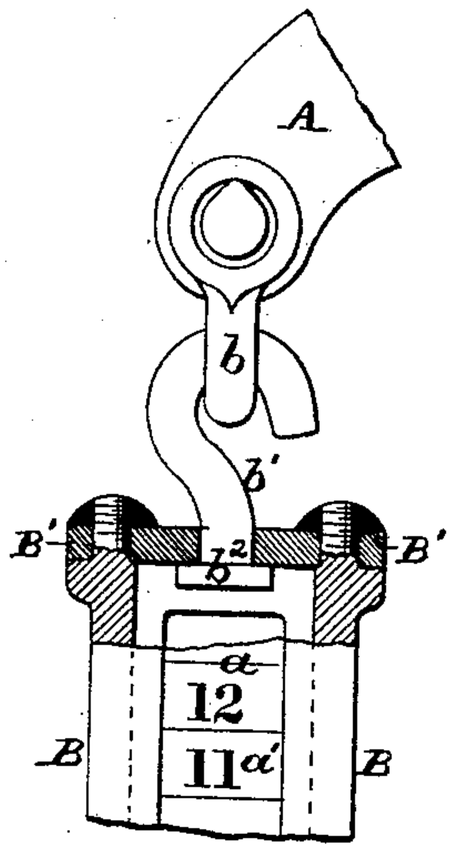
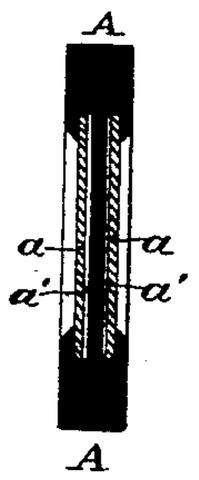


FIG. 3.



ATTEST:

Robert Burns.

Charles Pickles

INVENTOR:

Alonzo B. Pearson.

UNITED STATES PATENT OFFICE.

ALONZO B. PEARSON, OF ST. LOUIS, MISSOURI.

IMPROVEMENT IN SCALE-BEAMS.

Specification forming part of Letters Patent No. **203,290,** dated May 7, 1878; application filed December 8, 1877.

To all whom it may concern:

Be it known that I, ALONZO B. PEARSON, of the city of St. Louis, in the State of Missouri, have invented certain Improvements in Scale-Beam and Counterpoise, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings.

The purpose of my invention is to form a scale-beam and counterpoise which can be easily and readily kept clean and bright, and which will be more readable in dark places than the ordinary scale-beam and counterpoise.

My invention consists in forming the scale-beam and counterpoise with a transparent face of glass, mica, or other suitable substance, behind which is placed a printed scale, similar to the ordinary scale at present stamped on the scale-beam and counterpoise.

Figure 1 is a perspective view of the scale-beam and counterpoise. Fig. 2 is a detail side view, partly in section, showing the swivel attachment of the counterpoise to the scale-beam. Fig. 3 is a detail cross-section of the scale-beam.

A is the scale-beam, to which is attached the counterpoise B by link b and swivel b^1. The head b^2 of the swivel bears in the top cross-bar B′ of the counterpoise B, as clearly indicated in Fig. 2.

The scale-beam and counterpoise are formed with a transparent face, a, of glass, mica, or other suitable substance at their front, rear, or both sides, as may be desired. Behind this transparent face a is placed a printed scale, a', of paper or other suitable substance, similar to that at present stamped on scale-beams and counterpoises. The scale is preferably printed on white paper; but any other suitable material may be used.

The advantages derived from my improved construction are: first, it prevents corrosion or rusting of the scale, and consequently prevents the obliteration of the same; second, it allows the scale-beam and counterpoise to be readily and easily kept clean and bright, and therefore it is more readable in dark places than the ordinary construction of scale-beams and counterpoises; third, by means of the swivel-joint b^1 between the scale-beam and the counterpoise, the said counterpoise can be turned to the light in dark places, so as to facilitate the reading of the same.

I claim as my invention—

1. The counterpoise B, attached to the scale-beam A by a swivel, as and for the purpose set forth.

2. The scale-beam A, formed with a transparent face of glass, mica, or other suitable substance, behind which is placed a printed scale, as and for the purpose set forth.

3. The counterpoise B, formed with a transparent face of glass, mica, or other suitable substance, behind which is placed a printed scale, as and for the purpose set forth.

ALONZO B. PEARSON.

Witnesses:

J. H. THOMAS,

W. A. S. PEARSON.