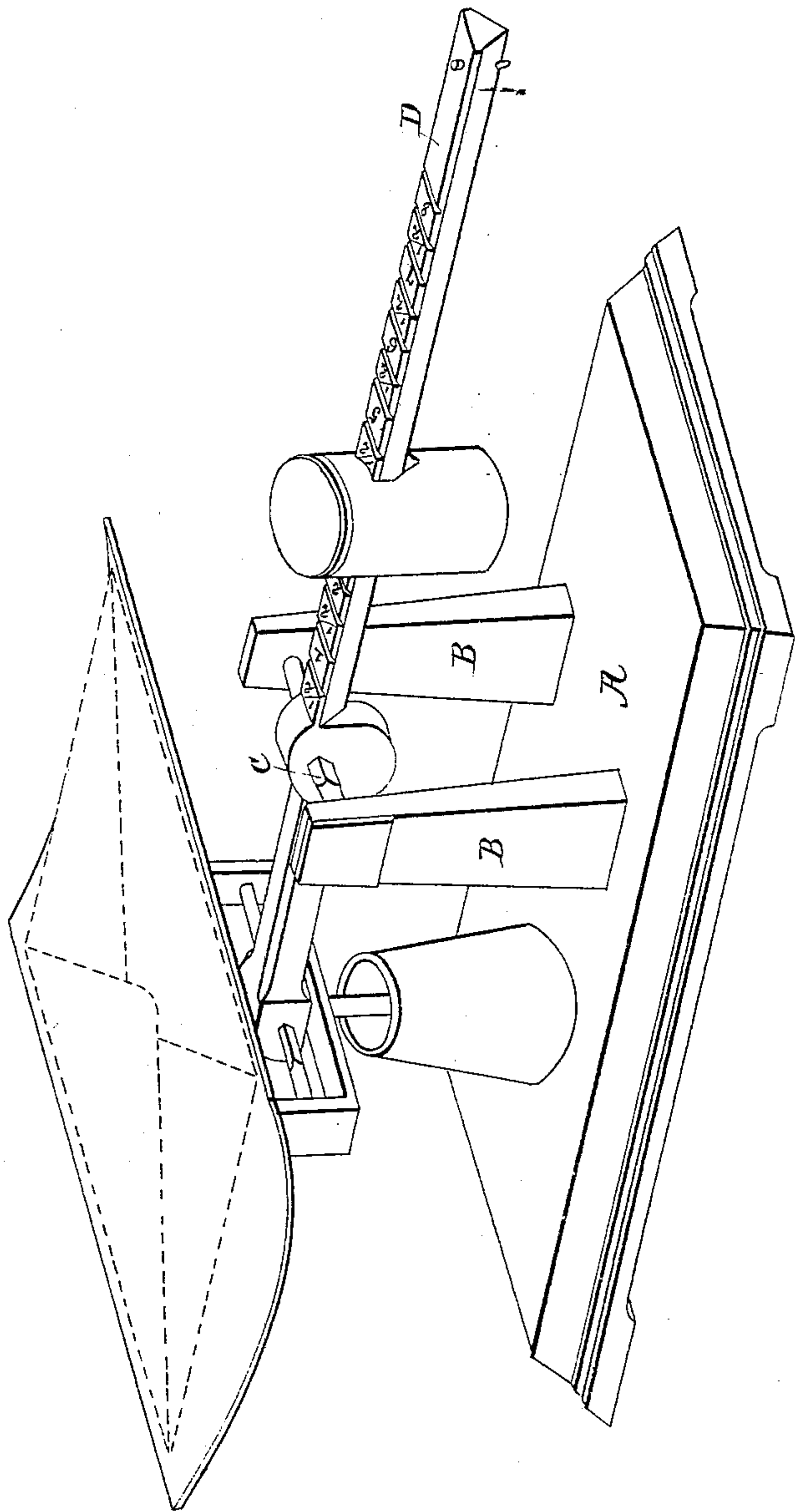


R. MURDOCH.
Letter Scale Beam.

No. 57,364.

Patented Aug. 21, 1866.



Witnesses.

Alex^r. A. C. Klauser,
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Inventor

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UNITED STATES PATENT OFFICE.

RICHARD MURDOCH, OF BALTIMORE, MARYLAND.

IMPROVEMENT IN BEAMS OF LETTER-SCALES.

Specification forming part of Letters Patent No. **57,364**, dated August 21, 1866.

To all whom it may concern:

Be it known that I, RICHARD MURDOCH, of the city and county of Baltimore, and State of Maryland, have made new and useful Improvements in Letter-Weighing Scales; and I do hereby declare the following to be a full, clear, and exact description of the nature, construction, and operation of the same, sufficient to enable one skilled in the art to construct and use the same, reference being had to the accompanying drawing, which is made part of this specification, and in which my improvement is represented by a perspective view.

My invention consists in the improved mode of making the beam of the scale, to wit, on the top, so as to make the figures more readily seen and more conveniently read.

In the drawings, A is the base; B, the stand; C, the tray, and D the beam, whose notches are on the upper side, as usual, being engaged by a projection in the slot of the pea or weight.

It is usual to put the figures denoting weight upon the flat and nearly vertical sides of the beam; but in my letter-scales the top of the

beam is flat and the figures are placed thereon, which is much more convenient in every respect to the person weighing the letters.

When in use the letter-scales are usually upon a table a considerable distance below the level of the eyes, and the figures upon the upper side are more conveniently placed and legible than when on the side, as is evident to one who is accustomed to the use of such apparatus.

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

The letter-scales provided with a graduated beam having the figures upon its flat upper side, substantially as described.

To the above specification for improvement in letter-scales I have signed my hand this 22d day of March, 1866.

RICHD. MURDOCH.

Witnesses:

W. F. HALL,

EDM. F. BROWN.