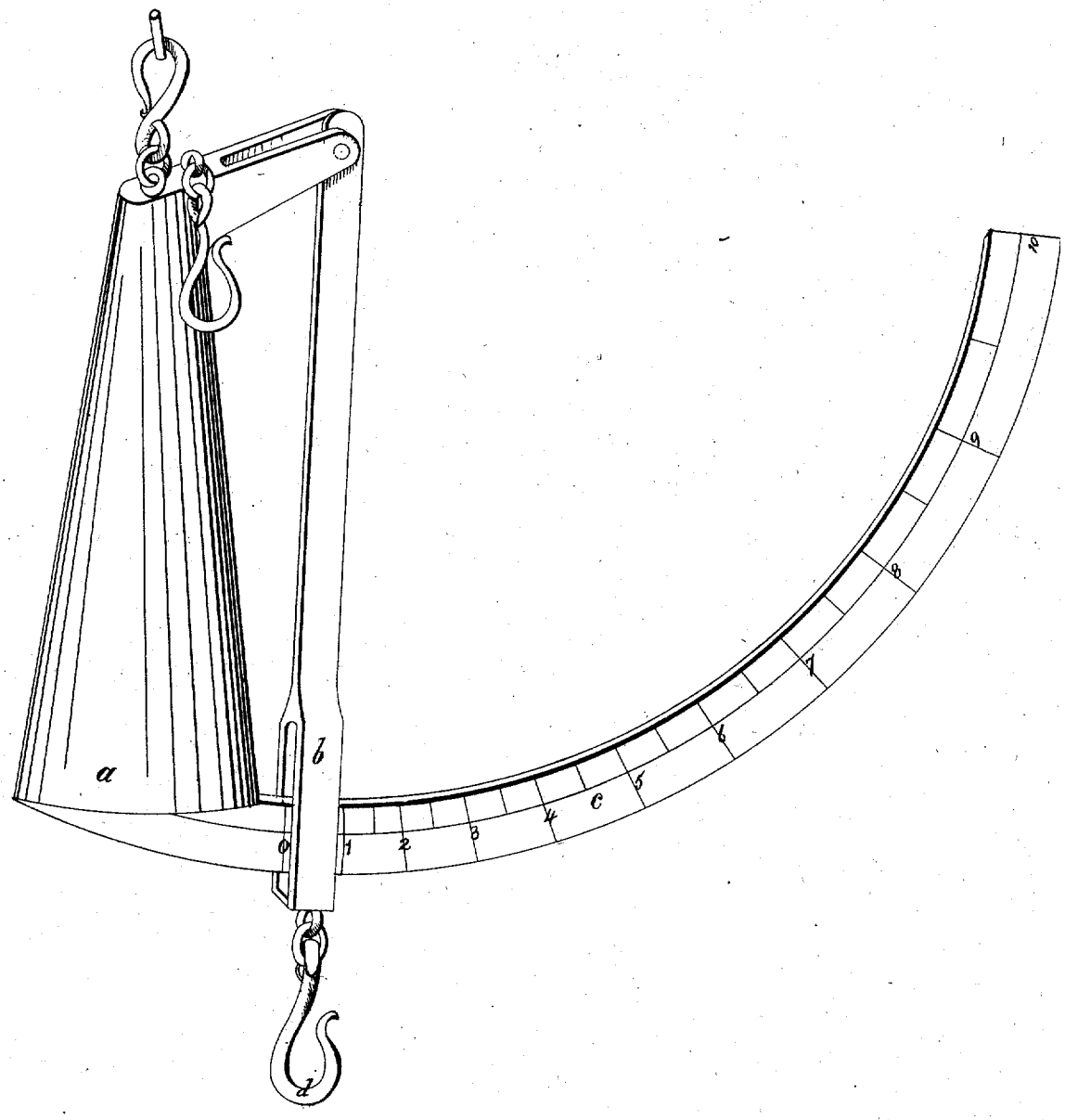
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Z. PHINNEY.

SCALE.

Patented Jan. 6, 1814.



Jan 6. 1814

Jina Thurnay
Letters Patent

The Subscribers witness the Letters Patent and making part of the same containing a description in the words of the said Jina Thurnay himself of his improved Steel Yards or Weaks.

This machine consists of a weight, a beam, or rod arm and the scale, all of which are described as follows. viz. The weight may be made of various forms to answer the same purpose, but I contrived to have it of a conical form, or an angular form as for up it as to the fulcrum on which it is hung; and from it I have a kind of an arm extending upwards in an angle of about 30 degrees altitude, this arm may be varied agreeably to the size of the machine, that is to say, it may be longer or shorter agreeably to the length of the weight, and there is a mortice in the upper end of it to receive the upper end of the rod, which Supports and plays from side by side. and there is a pin which goes through the upper arm of the weight and the end of the rod there may be a second arm to the weight and of a circular form, and attached to it near the bottom end, or it may be attached to the rod and pass through a mortice in the weight, or slip by the side, or under the lower end of the weight, or when attached to the lower end of the weight it may pass by the side of the rod. The circular arm has marks and figures on it, for to show the pounds and ounces. The scale is hung to the lower end of the rod, and whatever is to be weighed being put in it, it tends to pull the rod downwards. it has a tendency to throw the lower end of the weight out of its perpendicular situation. which is the mode of weighing, and by looking at the edge of the weight on the circular arm at the mark or figure on it, you tell the weight of the article in the scale. There can also be two hooks, one for the little side

Jina Thurnay

Witnesses
William Thornton
Geo Sayon

(378 words)

Delivered January 6. 1814.