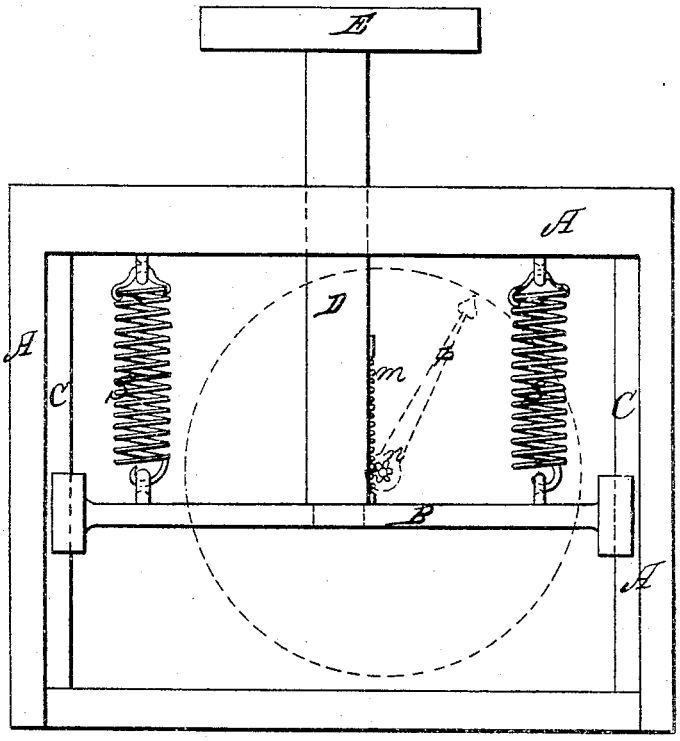
H. SALOSHINSKY.

SPRING BALANCE.

No. 48,211. Patented June 13, 1865.



Witnesses:

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UNITED STATES PATENT OFFICE.

HERMAN SALOSHINSKY, OF NEW YORK, N. Y

IMPROVEMENT IN SPRING-BALANCES.

Specification forming part of Letters Patent No. **48,211**, dated June 13, 1865.

To all whom it may concern:

Be it known that I, HERMAN SALOSHINSKY, of New York, in the county and State of New York, have invented a new and Improved Platform Spring-Scale; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

In the accompanying drawing, which represents an elevation of my improved scale with one side removed, A represents the frame or box containing the mechanism. This box may be made narrow, with sufficient width at the bottom or foot to insure a firm support to rest on upon the table or counter.

B is a cross piece or bar fitted into the box, and capable of moving freely on the upright guides C C, fast to the ends of the box A.

D is a rod firmly secured to the cross-bar B, and passing freely through the top of the box, and having on its upper end a platform, E, attached, upon which the articles to be weighed are placed. On the inside of the box spiral springs S S are attached to the top of the box and to the cross-bar B, at equal distances from the center of the rod D, which support and hold up the cross-bar B, rod D, and platform E.

To the rod D a small rack, *m*, is attached, into which a pinion, *n*, is made to work, fast to a small shaft or spindle passing through one side of the box, and provided on its end, on the outside of the box, with an index-hand, *p*, (shown in dotted lines in the drawing,) and working around a dial-plate marked to represent pounds, half-pounds, or any other subdivision corresponding to the strength of the spiral springs S S.

Any article placed upon the platform E will force said platform E, rod D, and cross-bar B downward, extending at the same time the springs S S in proportion to its weight, and which said weight will be indicated on the dial-plate by means of the hand *p*, operated by its pinion *n* from the tooth-rack *m*, attached on the rod D.

As arranged in the drawing, the center of the pinion *n*, and consequently of the dial-plate on the outside of the box, is some little distance out of the center; but the same may be placed exactly in the center, and that part of the rod D which is in the inside of the box may be forked, so as to allow the pinion and spindle to be placed in the center; or two rods may be arranged to pass at equal distances from the center through the top of the box and connect the platform E with the internal cross-bar, B.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination of platform E, rod D, cross-bar B, springs S and S, rack *m*, pinion *n*, and dial-handle *p*, when arranged and operating together in the manner and for the purpose substantially as set forth and described.

HERMAN SALOSHINSKY.

Witnesses:

E. GUTTENBERG,

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