

L. E. BROWN.
Spring Weighing-Scale.

No. 210,493.

Patented Dec. 3, 1878.

Fig. 1

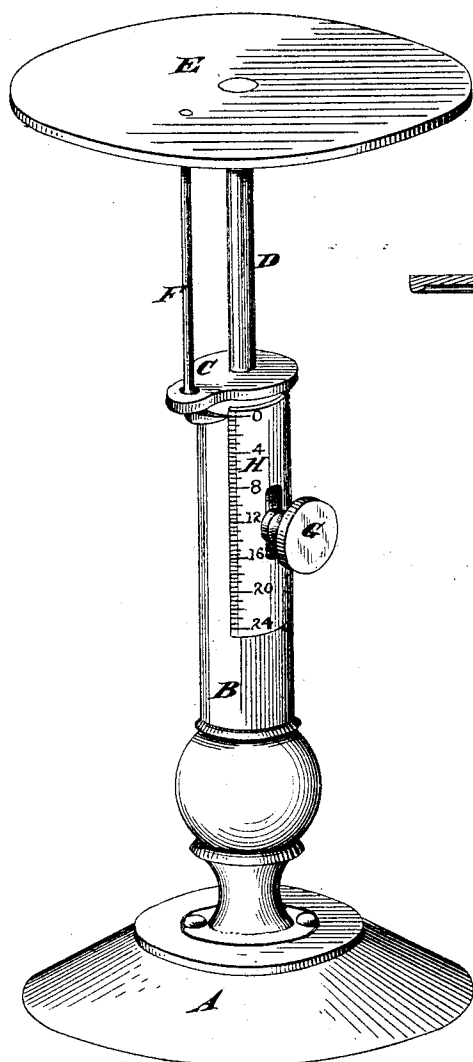
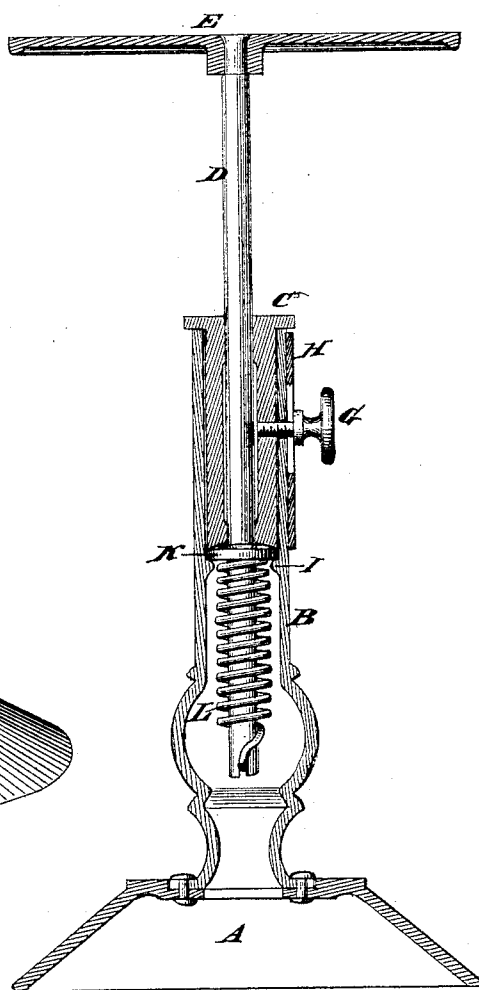


Fig. 2



Attest

Thos. B. Reynolds,

F. W. Browne

Inventor

L. E. Brown

By Wood & Boyd

His Atty.

UNITED STATES PATENT OFFICE.

LEWIS E. BROWN, OF CINCINNATI, OHIO.

IMPROVEMENT IN SPRING WEIGHING-SCALES.

Specification forming part of Letters Patent No. **210,493**, dated December 3, 1878; application filed August 29, 1878.

To all whom it may concern:

Be it known that I, LEWIS E. BROWN, of Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Spring-Balance Scales, of which the following is a specification:

Figure 1 is a perspective view, and Fig. 2 a transverse vertical section.

The invention relates to a household-scale; and consists in a construction and arrangement whereby a cheap and accurate scale is obtained.

A is a pedestal or stand, and B a hollow column, upon the inside of which is a projection, I. D is a piston, carrying on its upper end a platform or scale-pan, E, and having the spring-balance L connected to its lower end. C is a guide for the piston, and being provided with a cap or flange to rest on the head of the standard B. To the upper end of the spring is attached a disk, K, the edges of which rest on the projection I, and through which the piston plays. H is an index-plate, adjustably attached by means of a thumb-screw, G, which passes through the standard B and screws into the guide C. F is a rod at-

tached to the platform E, so as to move up and down with it, and is provided with a finger, which points to the weight on the dial-plate of the object being weighed.

When it is desired to weigh any article independent of the "tare," the utensil containing the goods may be placed on the scale-pan, and the index-plate adjusted so that the finger will point to zero, when the commodity may be placed in the utensil and weighed, irrespective of it.

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

The combination, in a spring-balance scale, of the standard B, the piston D, supporting the platform, the spring L, secured to said piston and to an annular disk, K, confined between the projection I and guide C, substantially as and for the purpose specified.

In testimony whereof I have hereunto set my hand.

L. E. BROWN.

Witnesses:

F. W. BROWN,
E. E. WOOD.