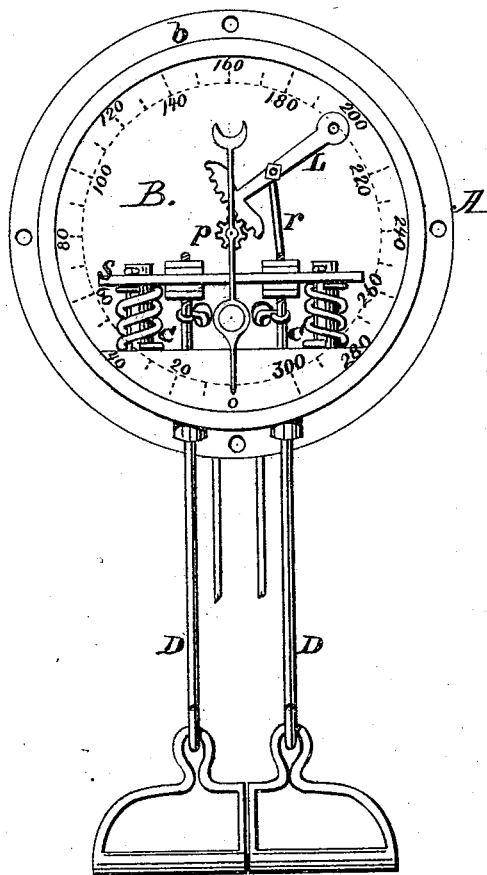


O. D. THAYER.

TEST-GAGE.

No. 186,770.

Patented Jan. 30, 1877.



Witnesses:
Charles F. Walter
Geo. A. Johnson.

Inventor:
Orlando D. Thayer
per Otto Lee Johnson
Atty.

UNITED STATES PATENT OFFICE.

ORLANDO D. THAYER, OF BUFFALO, NEW YORK.

IMPROVEMENT IN TEST-GAGES.

Specification forming part of Letters Patent No. **156,770**, dated January 30, 1877; application filed November 8, 1876.

To all whom it may concern:

Be it known that I, ORLANDO D. THAYER, of Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improved Test-Gage; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

My invention relates to an improved gage for recording the pull or pressure, in pounds, of the strength of the person operating the same; and it consists in the construction and arrangement of the several parts, all as will be hereinafter more fully described, and pointed out in the claims.

In the drawing hereto annexed the figure represents a front view of my invention, in which the letter A is a circular case, provided with an index-plate, B, having a glass front and a rim, b, for attaching the case to a wall or other suitable place.

In the center of the case is situated a shaft passing through an opening in the index-plate and provided with a pinion, p, engaging with a segmental lever, L, both being hung in a

suitable frame fastened to the back of the case. A plate, s, sliding on standards fastened to a shelf or block in the bottom of the case rests on spiral springs C C. Keys in the top of the standards hold the plate in place, and a rod, r, connects this plate with segmental lever L. The rods D D pass up through the case and are fastened by nuts to the plate S, said rods being provided with suitable handles for pulling. I usually fasten my improved gage to the side of a room, and when so hung, and it is desired to pull in a lateral direction, the rods are provided with sections of chain which pass over pulleys.

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

The rods D D, plate S, springs C C, segmental lever L, pinion p, in combination with the case A, as herein described, and set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

ORLANDO D. THAYER.

Witnesses:

G. W. FISCHER,
THOS. C. EASTON.