

C. H. Weston,

Bench Dog.

N^o 58,519.

Patented Oct. 2, 1866.

Fig: 1

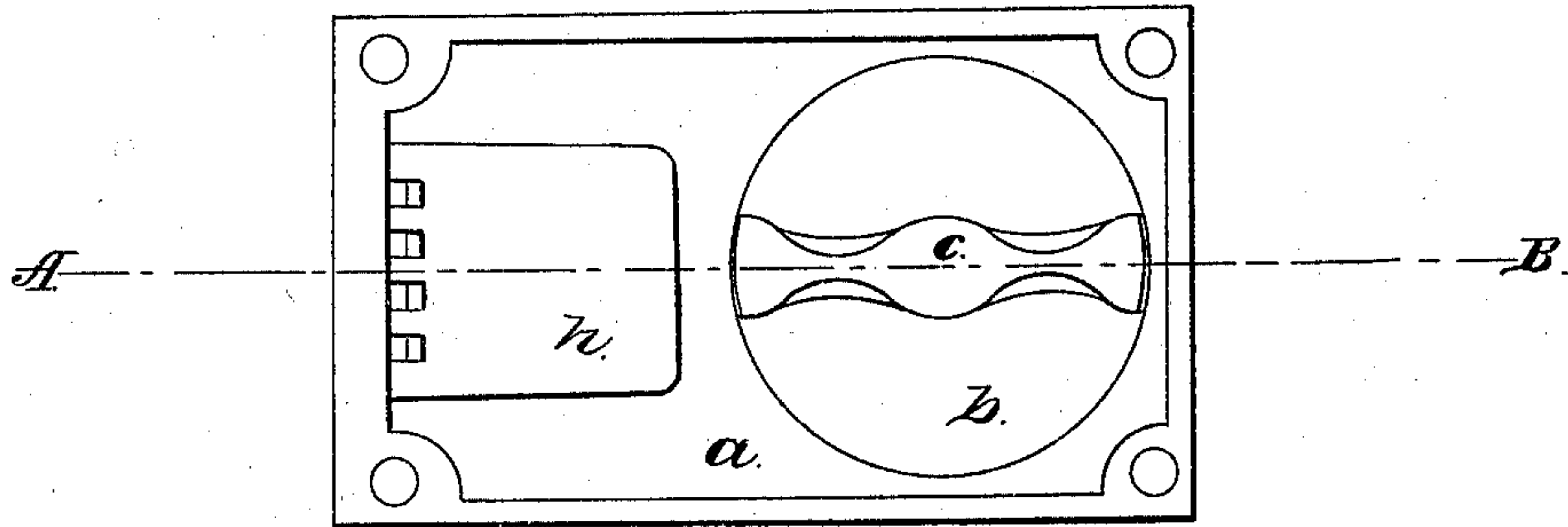


Fig: 2

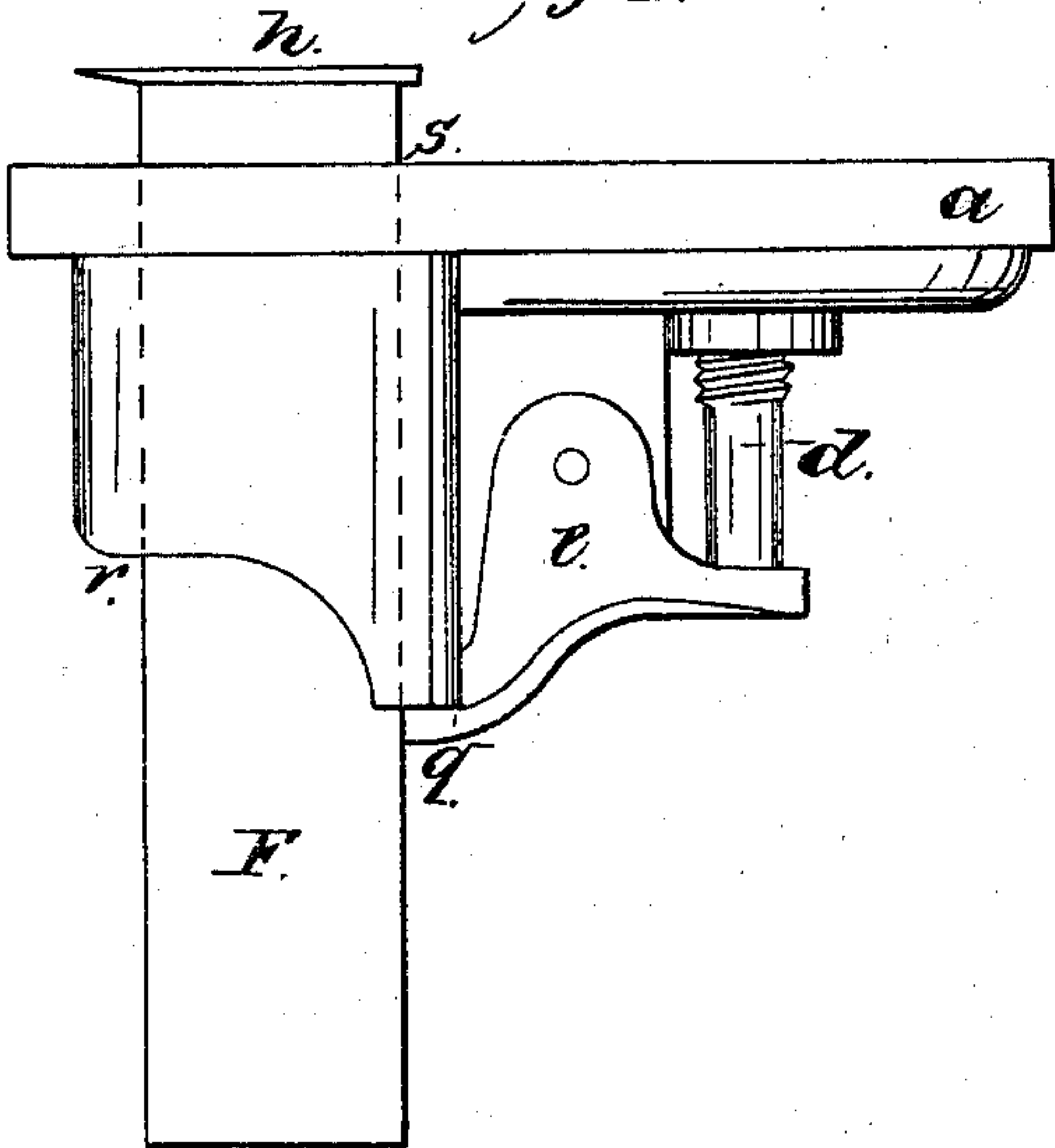
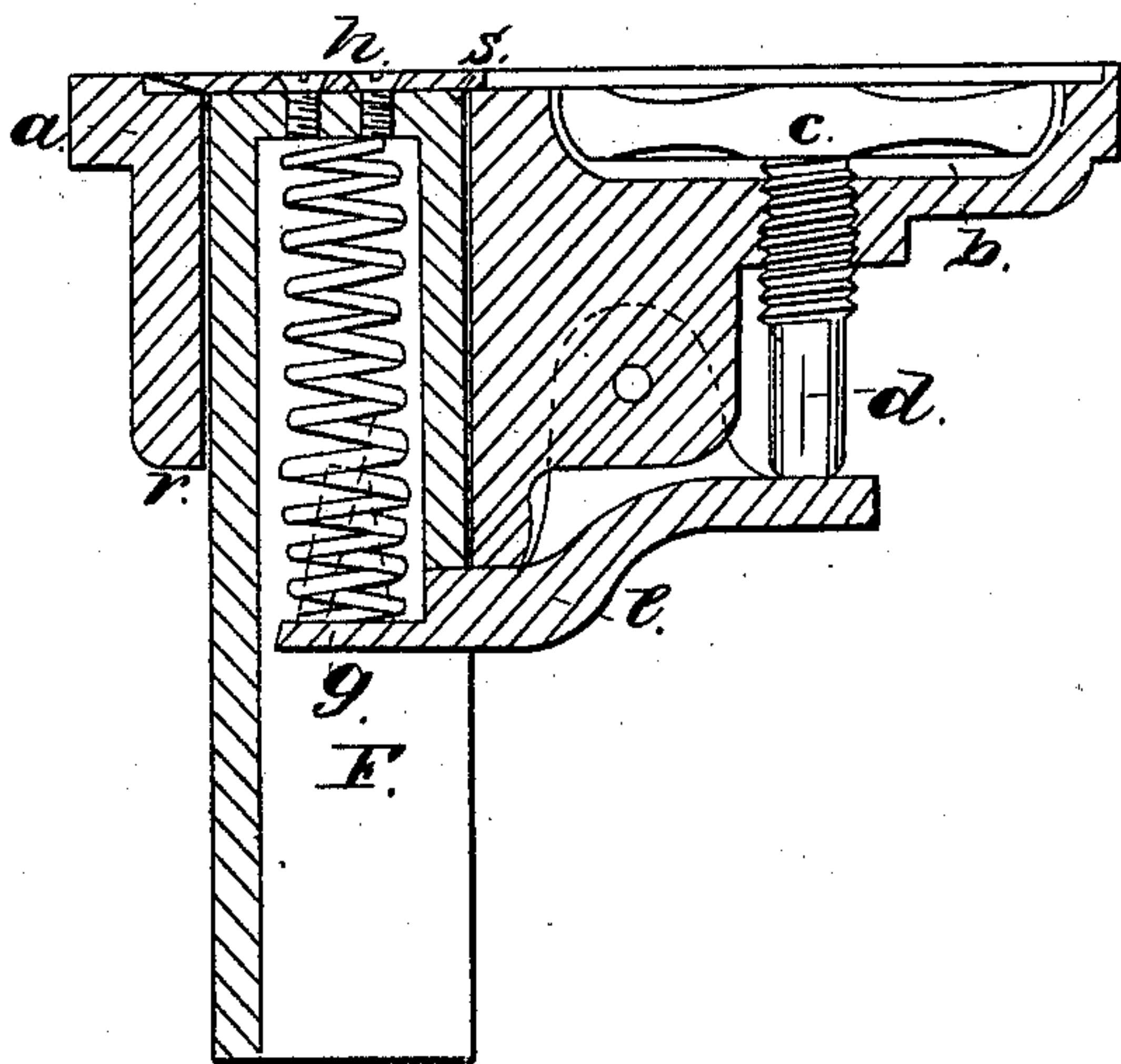


Fig: 3



Witnesses:
Geo. E. Percy.
Abner Perry.

Inventor:
Charles H. Weston

UNITED STATES PATENT OFFICE.

CHARLES H. WESTON, OF LOWELL, MASSACHUSETTS.

BENCH-HOOKS.

Specification forming part of Letters Patent No. 58,519, dated October 2, 1866.

To all whom it may concern:

Be it known that I, CHARLES H. WESTON, of Lowell, county of Middlesex, and State of Massachusetts, have invented new and useful Improvements in Bench-Hooks; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in providing a bench-hook with hollow stock, bed-plate with concave recess, pressure-lever, and finger-piece, so as to be operated on the top of the bench with thumb and finger, without the usual aid of a hammer or screw-driver.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

Figure 1 represents a plan of my improved bench-hook. Fig. 2 represents a side elevation of the same. Fig. 3 represents a section through A and B. *a* represents the bed-plate; *b*, the concave recess in the bed-plate *a*; *c*, the finger-piece; *d*, the screw attached to the finger-piece *c*; *e*, the pressure-lever; *f*, the hollow stock; *g*, the spiral spring; *h*, the hook.

The bench-hook being finished by the several parts being put in their respective places, a recess is then cut into the top of the carpenter's bench of the desired size to receive the bed-plate *a*, which is placed in and secured firmly down a little below the level of the top of the bench.

The hook *h* is depressed by the operator,

and elevated by the aid of the spiral spring *g* at the will of the operator, and held in any desired position by means of the pressure-lever *e* operating against the hollow stock *f* at *g*, which hollow stock *f* takes its lower bearing at *r* and upper bearing at *s*, thus throwing the point of the hook *h* slightly upward, the pressure-lever *e* receiving its power from the screw *d* attached to the finger-piece *c*, which finger-piece *c* is operated by the carpenter in the concave recess *b* at pleasure.

Thus, when the hook *h* is depressed to its seat, the entire metallic bench-hook being below the level of the bench, the operator is safe from damage and danger to his tools. Thus, the advantages of my invention over the common bench-hooks are apparent, as its several parts are substantial and strong, being secured and actually incased in the bench, is perfectly safe against damaging or dulling any tool of the carpenter, and the hook *h* is instantly raised or depressed to any desired point and firmly held, making the entire invention one that has long been desired and sought for and of much value to the mechanic.

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

A bench-hook when its several parts are constructed and arranged to operate substantially as described.

CHARLES H. WESTON.

Witnesses:

GEO. E. PEVEY,
ABERT PEVEY.