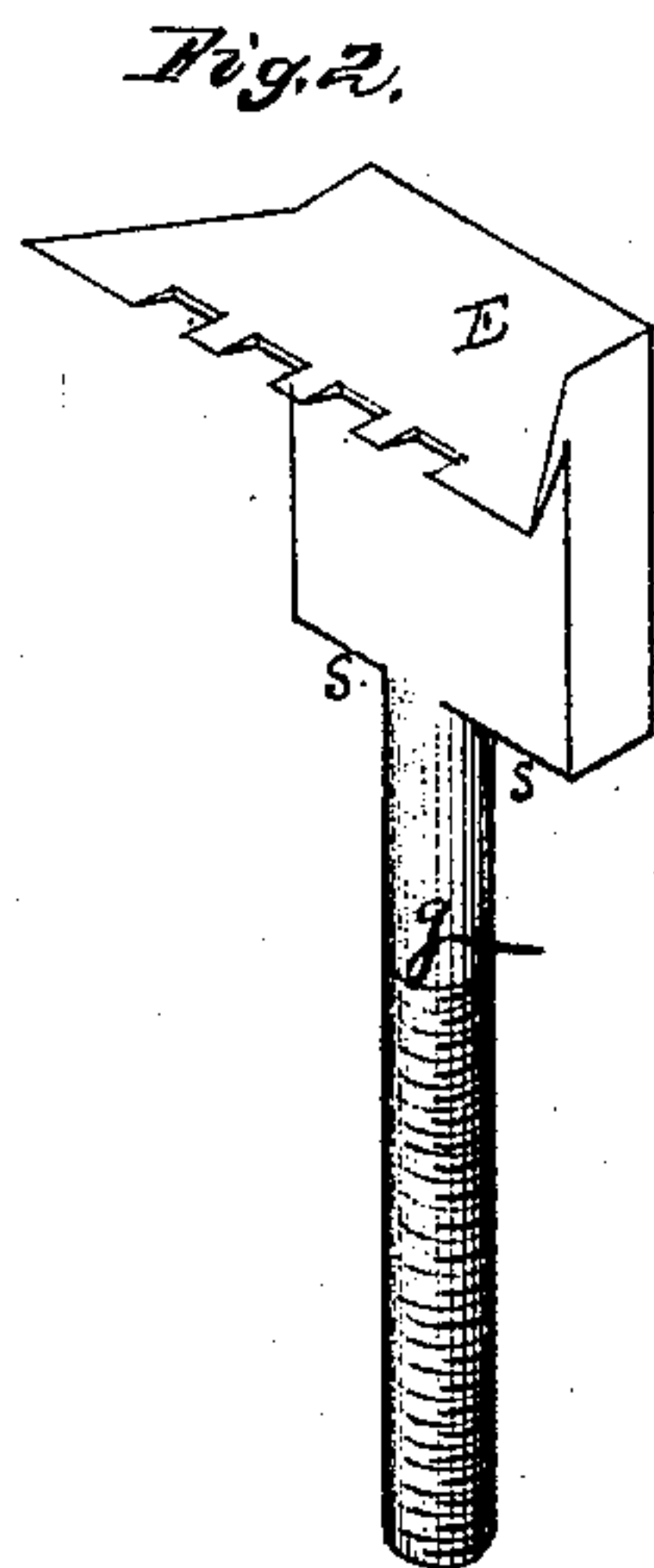
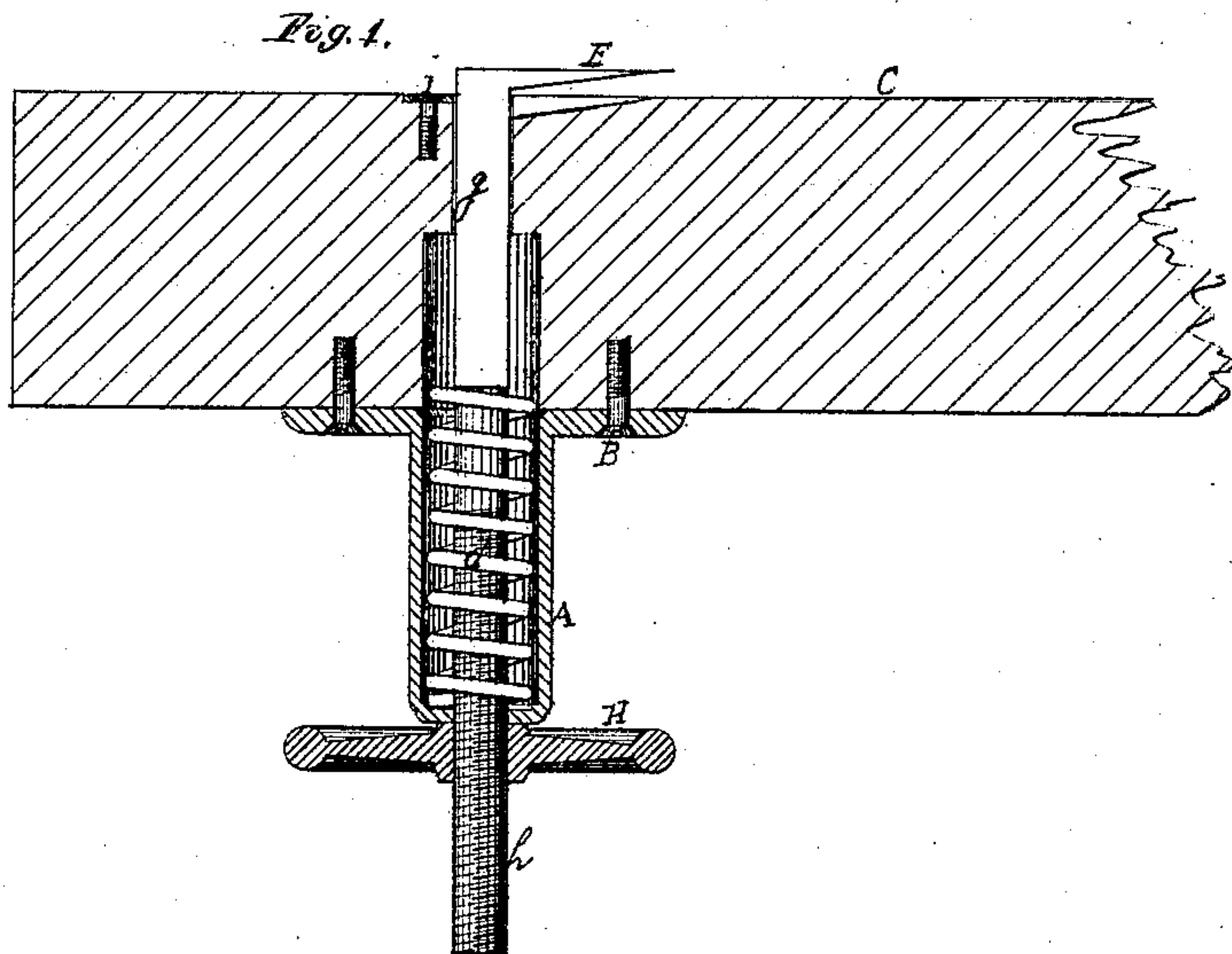


H. J. Skinner,

Bench Dog.

No 104,069.

Patented June 7, 1870.



Witnesses
Geo. A. Ellis
J. W. White

Inventor
H. J. Skinner,
Per
J. M. Alexander
Atty

United States Patent Office.

HENRY J. SKINNER, OF DUNKIRK, NEW YORK.

Letters Patent No. 104,069, dated June 7, 1870.

IMPROVEMENT IN BENCH-HOOKS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, HENRY J. SKINNER, of Dunkirk, in the county of Chautauqua and State of New York, have invented certain new and useful Improvements in Bench-Stops; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, which form part of this specification, in which—

Figure 1 represents a vertical section of my invention.

Figure 2 is a perspective view of the shank of the stop.

The nature of my invention consists in the construction and arrangement of a stop for a carpenter's bench, as hereinafter described.

A represents a metal tube, having, at its upper end, the flange B, the said flange being secured to the bottom of bench C by means of screws.

Into the tube A a spiral spring, *d*, is inserted, the lower end of the spring being made to rest on a shoulder near the lower end of tube A.

E is the stop, with the shank *g* attached to it, the said shank terminating in the screw-bolt *h*, which extends a suitable distance below the bench C.

The shank *g* is furnished with shoulders *s s*, against which the upper end of spring *d* will rest when in position.

H is a circular nut working on screw-bolt *h*, designed

to act on the lower end of tube A for the purpose of compressing the spring *d*.

It will be observed that the upper surface of the stop E is at a right angle with the shank *g*, while the under surface slightly descends from the edge of the stop to the shank *g*, forming an obtuse angle, the object of which is to prevent the dust from collecting under the serrations at the edge of stop E, and thereby prevent the stop from descending into the excavation made to receive it.

To prevent the wear of the opening through which the shank *g* is inserted, a metal plate, I, is bolted to the edge of said opening, its upper surface being flush with the top of the bench.

In order to adjust the stop E, the operator will turn the nut H, and thereby raise the stop or lower it, to suit his purpose.

Having thus fully described my invention,

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

The stop E, constructed as described, in combination with spring G, tube A, and adjusting-wheel H, all arranged as described, and for the purpose set forth.

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

HENRY J. SKINNER.

Witnesses:

WM. BOOKSTAYER,
F. S. EDWARDS.