

S. Swan,
Bench Dog.

N^o 78,620.

Patented June 2, 1868.

Fig 1

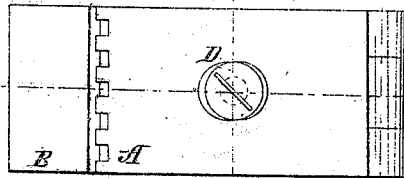


Fig 2

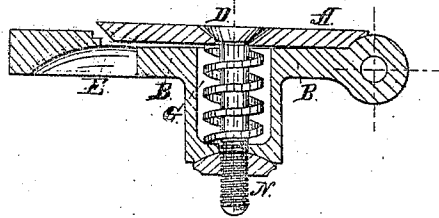


Fig 3

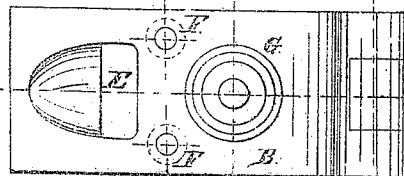
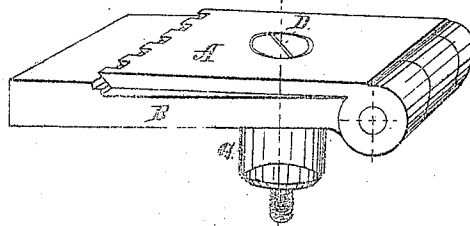


Fig 4



Witnesses
John A. Morris.
Henry Wright.

Inventor.
Saml Swan.

United States Patent Office.

SAMUEL SWAN, OF NEW YORK, N. Y.

Letters Patent No. 78,620, dated June 2, 1868.

IMPROVEMENT IN BENCH-HOOKS FOR CARPENTERS' BENCHES.

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, SAMUEL SWAN, of the city, county, and State of New York, have invented a new and improved Bench-Hook; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the annexed drawing, making part of this specification, in which—

Figure 1 is a top view,

Figure 2 a longitudinal vertical section,

Figure 3 a bottom view, and

Figure 4 a perspective view thereof.

My improved bench-hook consists of four parts: a bed-plate, a tongue, a screw-bolt, and a spiral spring.

The bed-plate is shown by B. It is formed with a socket, to receive the screw-bolt D, and the spiral spring C, with a hole, E. The tongue is shown by A. It is fitted into a recess in the top of the bed-plate, to which it is hinged, so as to bring it flush with the top thereof, substantially in the manner shown.

The bolt D has a conical-shaped head, and fills a corresponding-shaped hole in the tongue, through which it passes down through the socket into the bottom, N, wherein it screws.

The spiral spring C surrounds the bolt, and bears against the nut N and the under side of the tongue.

In using this hook, the bed-plate is fitted in the bench so as to bring the top thereof flush with the top of the bench. Then, by unscrewing the bolt, the spring presses the front end of the tongue up above the surface of the bed-plate and bench, as far as the workman may desire, and the dirt, shavings, and small particles of wood, which may find their way under the tongue, fall under the bench, through the hole E.

Having now described the construction and operation of my improved bench-hook, I claim as new herein, and desire to secure by Letters Patent—

The bed-plate B, constructed substantially as described, and fitted with a hinged tongue, actuated by a spring, as set forth.

SAMUEL SWAN.

Witnesses:

W. R. DUFF,

GEORGE F. FISBERG.