

J ALLEN.
Making Horseshoe-Calks.

No. 63,823.

Patented April 16, 1867.

Fig. 2

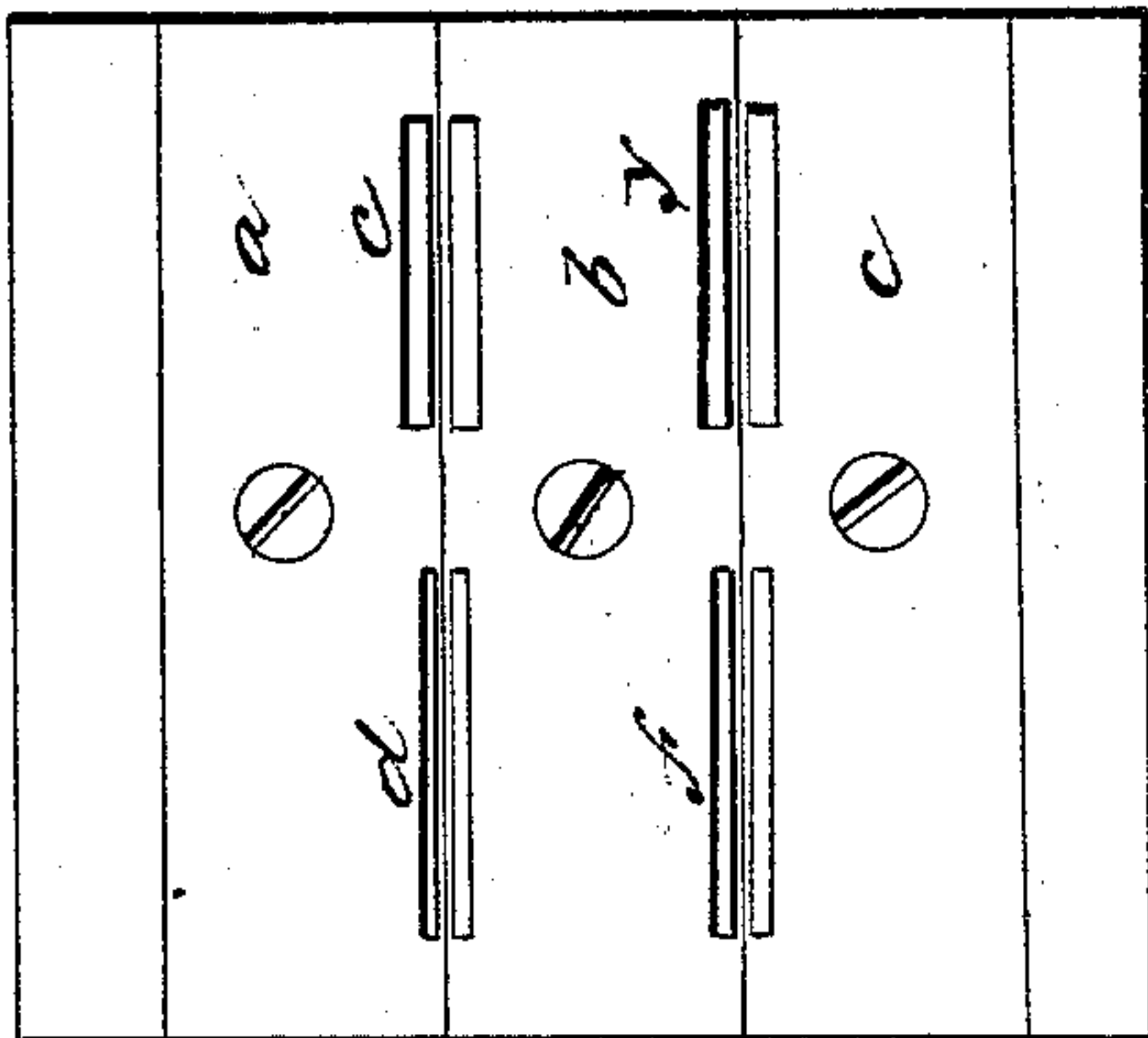
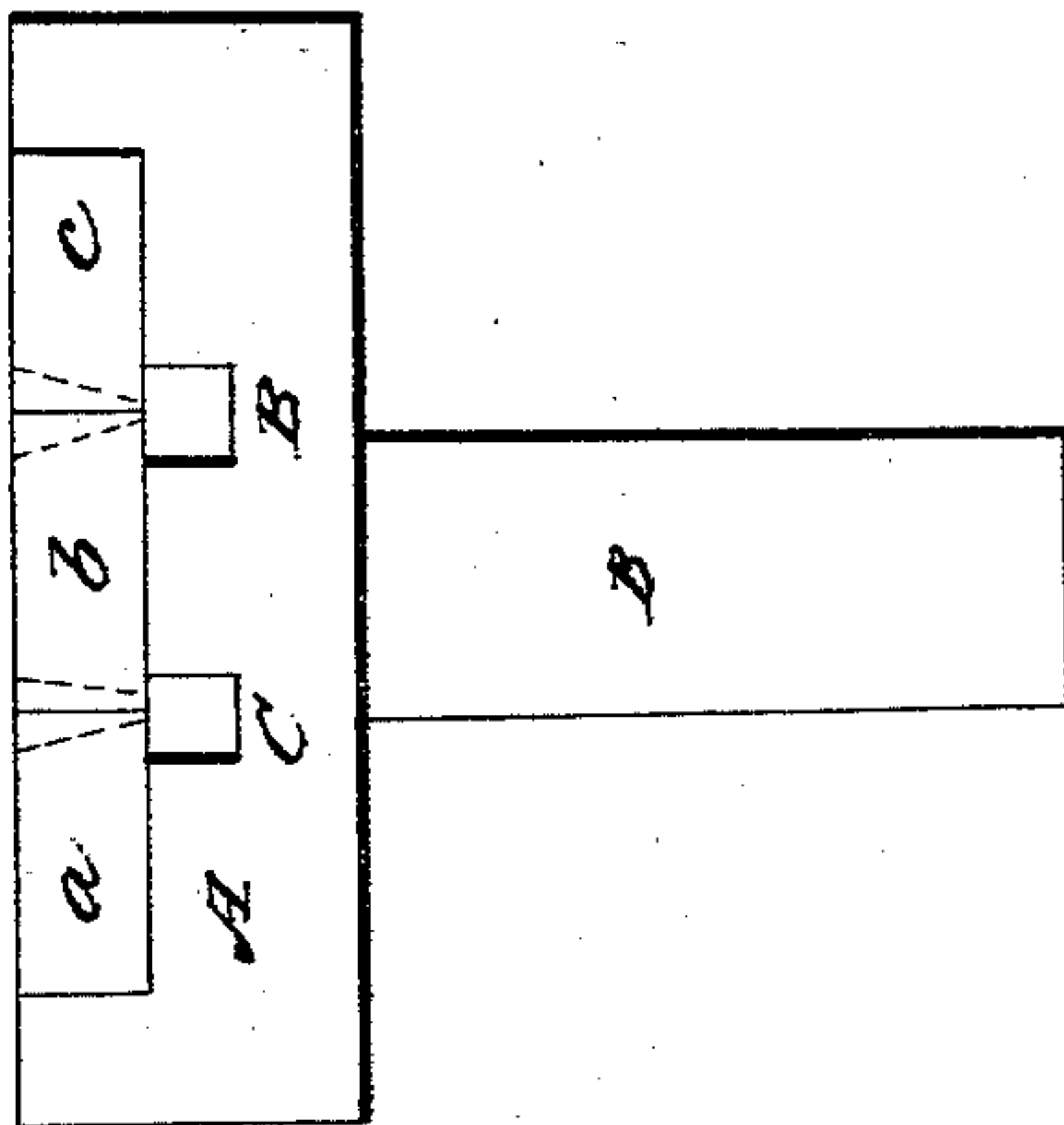


Fig. 1



Witnesses:
Edward H. Hyde
John Jones

Inventor:
John Allen
by his atty
J B Gardner

United States Patent Office.

JOHN ALLEN, OF PALMER, MASSACHUSETTS, ASSIGNOR TO HIMSELF AND
SAMUEL FERRY, OF SAME PLACE.

Letters Patent No. 63,823, dated April 16, 1867.

IMPROVED DIE FOR SWAGING CALKS FOR HORSE-SHOES.

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, JOHN ALLEN, of Palmer, Hampden county, Commonwealth of Massachusetts, have invented a new and useful Improvement in Toe-Calk Dies; 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. In these drawings—

Figure 1 represents a side view of my invention; and

Figure 2 a plan view of the same.

My invention consists of an improvement in the construction and arrangement of the die used by R. B. Caswell in his method of forming toe-calks upon horse-shoes. In Caswell's die, which consisted simply of a bed or block of metal, with sockets cut into it to suit the shape of, the calks, there was a liability to get it filled up with the scales of metal and other trash. In my invention, however, I obviate this by the following construction of the tool:

I form my die of the bed A, having the tongue B and plates *a b c*, the latter fastened on by screws or other proper means so as to be adjustable. These plates have bevels, *d e f*, &c., cut in their edges; so that when two are put together they form the socket; and different sizes of the same are made, so that all the desired sizes of sockets can be obtained by the proper arrangement of the plates. Under these sockets are placed grooves, D and E, which catch the scales which fall from the iron through the sockets, the latter being made open underneath the bevelled edges, not being brought quite together at the bottom. In this manner the sockets can be kept always free and clean, as the trash can be easily blown out or pushed through the grooves D and E, which are open at both ends. Another advantage is the adjustability of the different sizes of sockets to the same bed, so that only one bed need be used for all the varieties of calks, as any number of plates can be used to suit them.

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

A toe-calk die, constructed of the plates *a b c*, with the grooves *d e f g*, arranged and constructed substantially as and for the purpose set forth.

JOHN ALLEN.

Witnesses:

EDWARD H. HYDE,

J. E. FULLER.