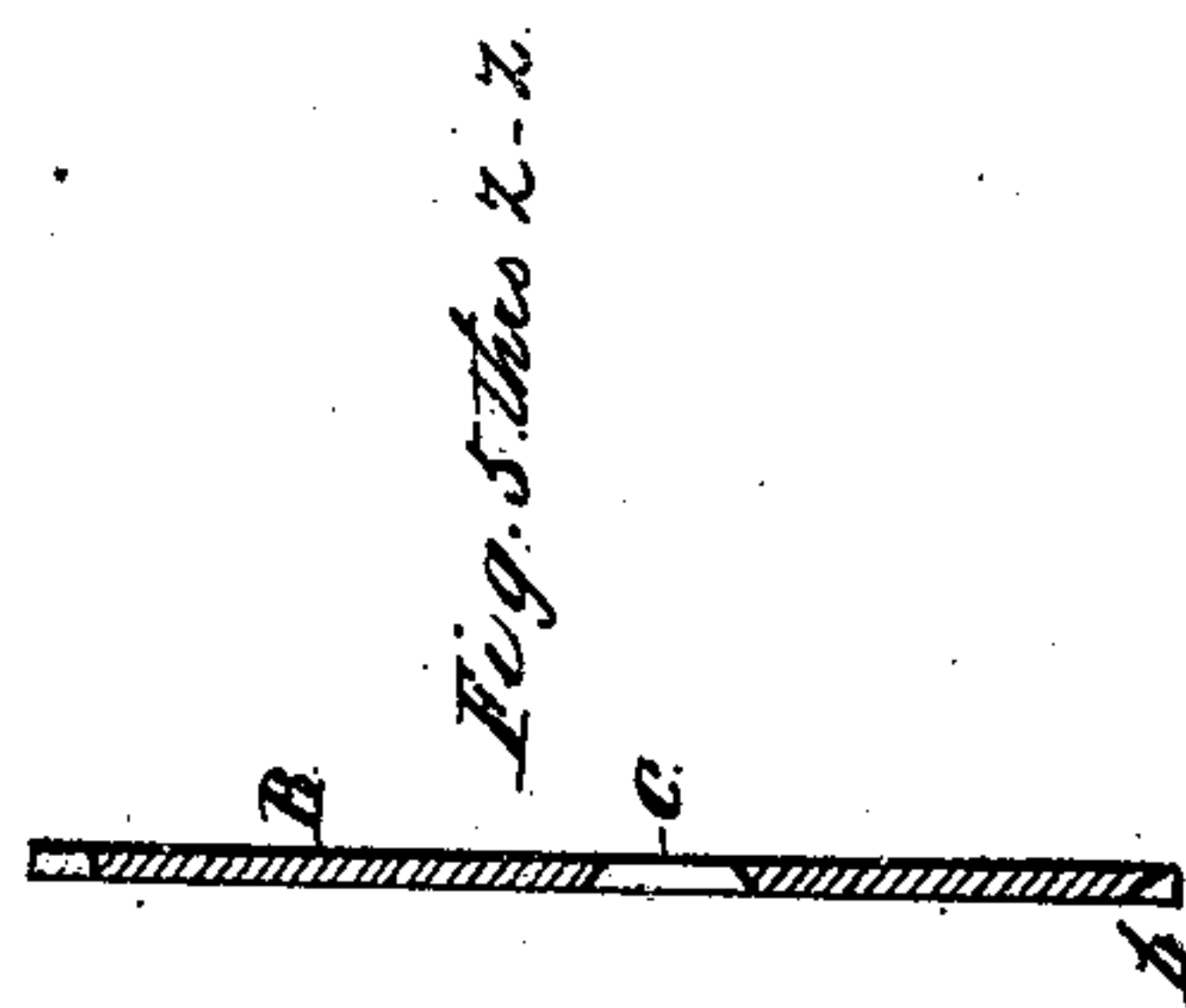
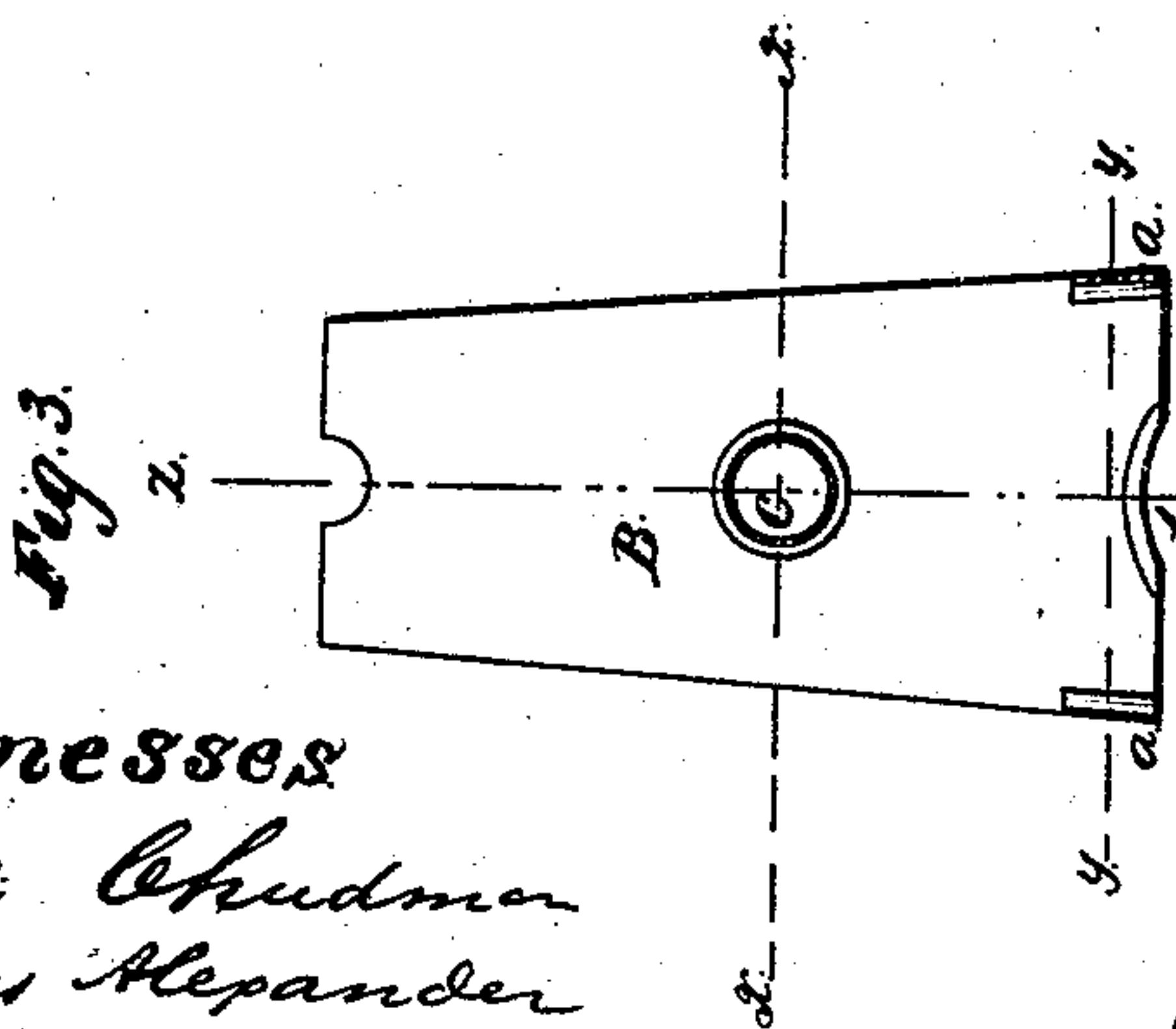
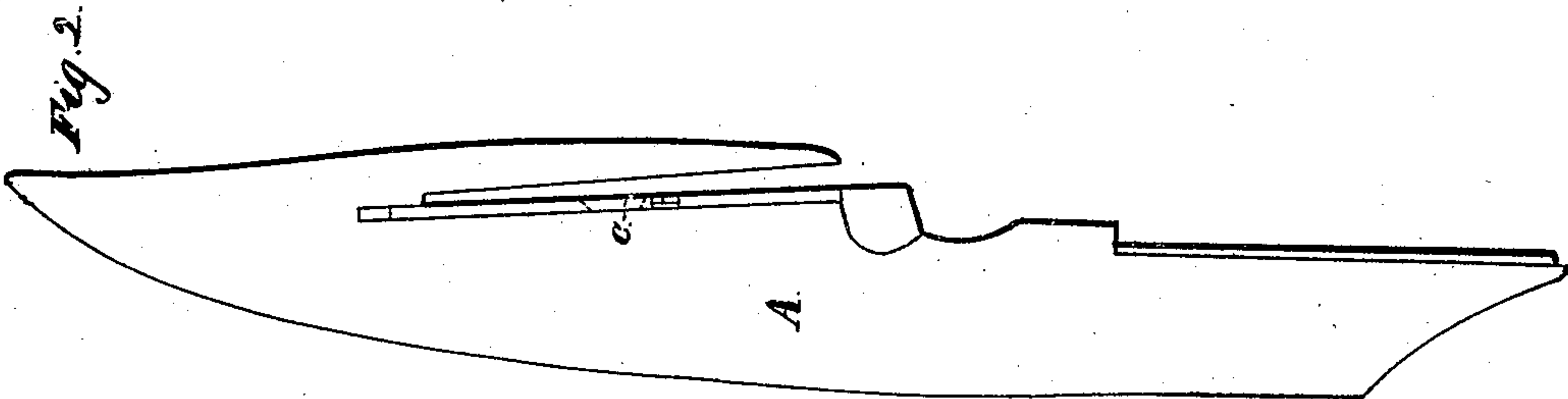
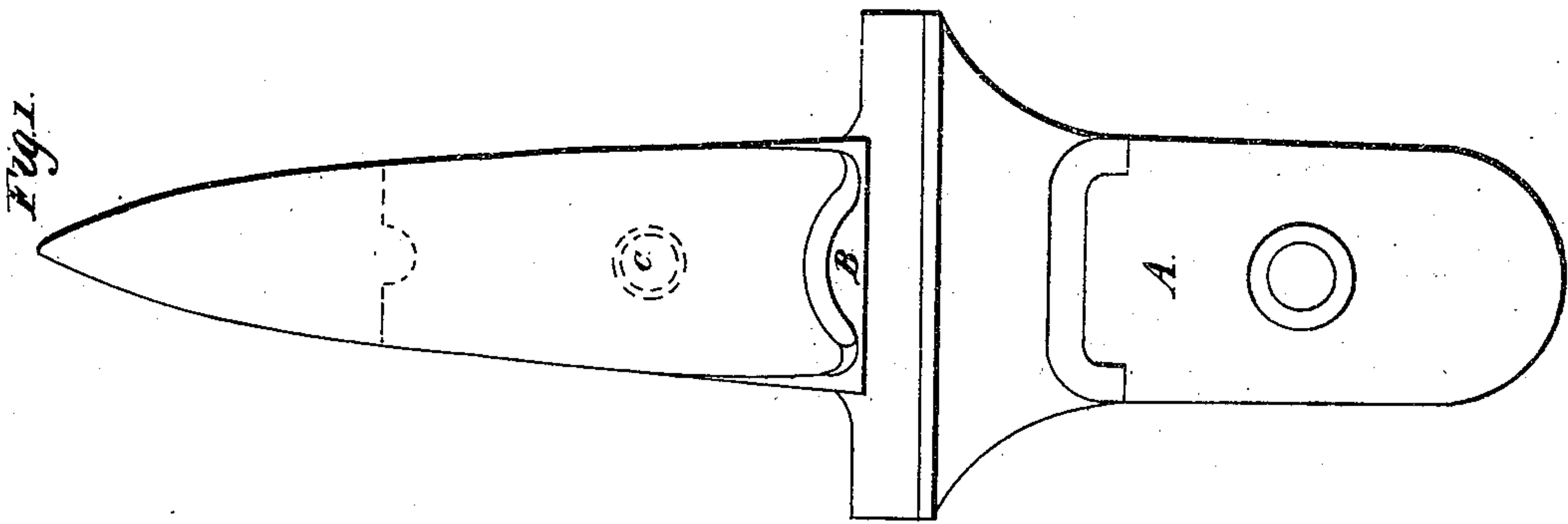


E. P. RUSSELL.
HARVESTER FINGER.

No. 40,283.

Patented Oct. 13, 1863.



Witnesses
George Chudman
Charles Alexander

Inventor
E. P. Russell
prattys Clayton & son

UNITED STATES PATENT OFFICE.

E. P. RUSSELL, OF MANLIUS, NEW YORK.

IMPROVEMENT IN HARVESTER-FINGERS.

Specification forming part of Letters Patent No. 40,283, dated October 13, 1863.

To all whom it may concern:

Be it known that I, E. P. RUSSELL, of Manlius, Onondaga county, in the State of New York, have invented certain new and useful Improvements in the Mode of Constructing Harvesting-Fingers; 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 thereon.

In the drawings, Figure 1 is a plan view of the finger. Fig. 2 is an elevation of the same. Fig. 3 is a plan view of the steel-plate which forms the cutting-edges of the harvester-finger. Fig. 4 is a section of the plate through line *xx*, Fig. 3. Fig. 5 is a section through line *zz*, Fig. 3. Fig. 6 is a section through line *yy*.

The nature of my invention consists in securing the steel plate to the finger by casting the metal of which the finger is made around and into the plate in such a manner as to secure it firmly and cheaply.

A is the finger; B, the steel plate, provided with an indentation, *c*, at its front end to receive a corresponding tongue of the finger.

c is a countersunk hole about the center of the plate.

a a are bevels at the sides of the plate at its rear end.

b is a curved or straight bevel at the rear end of the plate.

In operating my invention the plate is attached to a core of sand. They are then put into a suitable mold, and the molten metal is run in, forming the finger, and running into the countersink *c* and over the bevels *a* and *b*. The plates are then tempered after they have been cast.

It will thus be seen that by this simple means I am enabled to secure the steel plates to the fingers of harvesters in an exceedingly cheap, effective, and permanent manner.

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

Securing the steel plate B to the finger A by means of the countersunk hole *c*, into which the metal forming the finger is cast.

E. P. RUSSELL.

Witnesses:

CHAS. TREMAIN,
AUGS. TREMAIN.