

No. 709,478.

Patented Sept. 23, 1902.

**S. N. FORTNEY.
SHEARS.**

(Application filed Mar. 29, 1902.)

(No Model.)

FIG. 1.

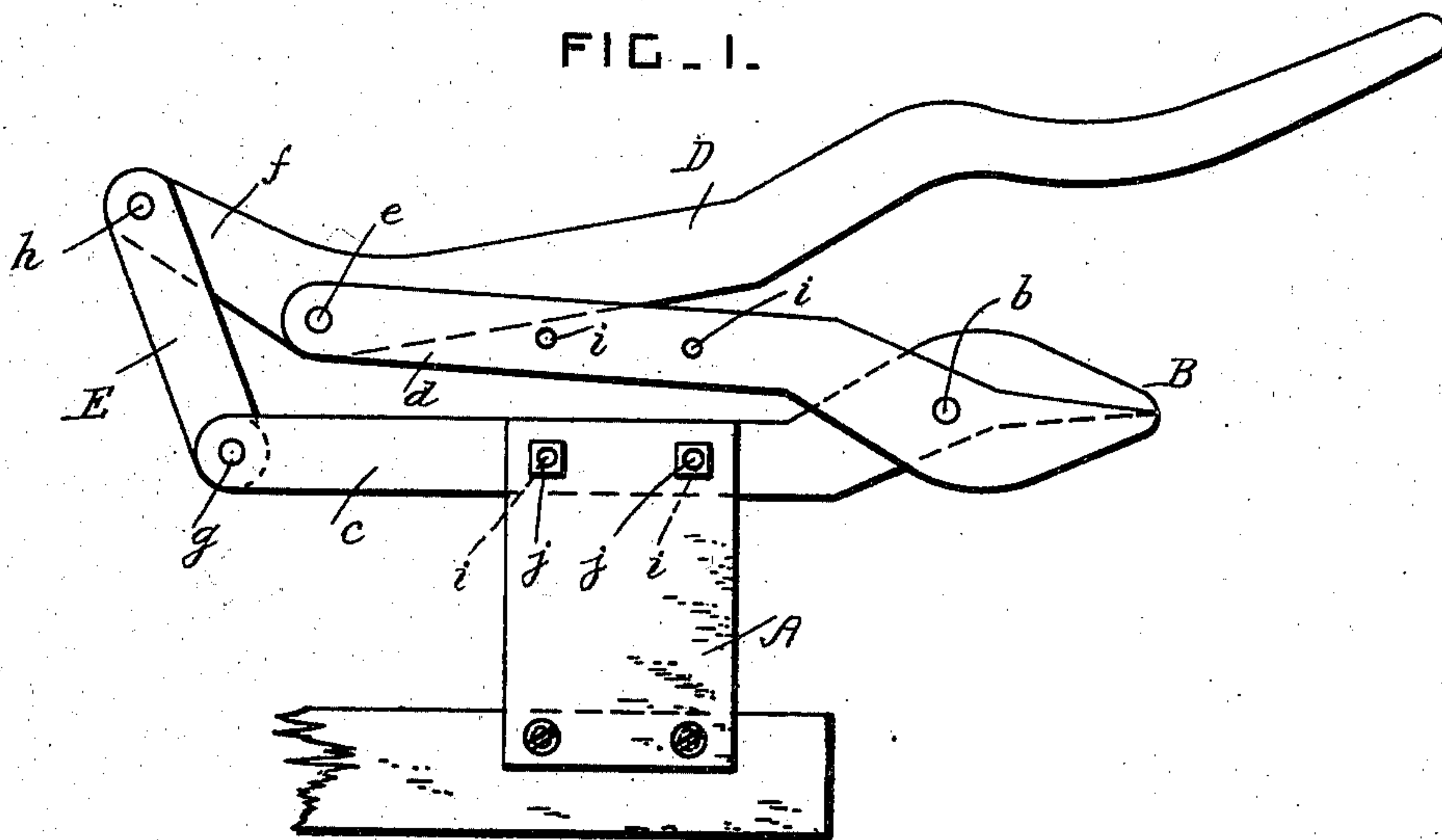
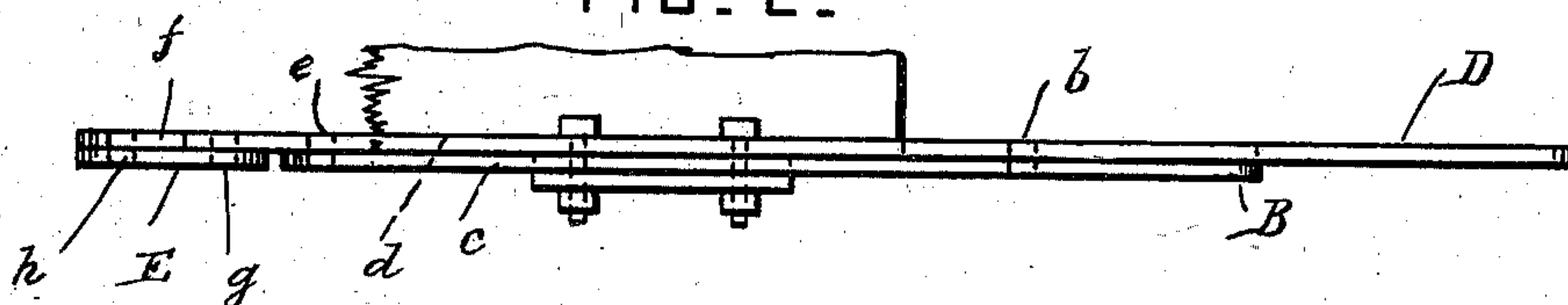


FIG. 2.



WITNESSES

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J. M. 99 Poole
Walter Allen

INVENTOR.

INVENTOR
Samuel W. Fortney
 by *Herbert W. Jenner.*
 Attorney

UNITED STATES PATENT OFFICE.

SAMUEL N. FORTNEY, OF JEFFERSON TOWNSHIP, MONTGOMERY COUNTY,
OHIO.

SHEARS.

SPECIFICATION forming part of Letters Patent No. 709,478, dated September 23, 1902.

Application filed March 29, 1902. Serial No. 100,588. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL N. FORTNEY, a citizen of the United States, residing in Jefferson township, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Shears; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to shears; and it consists in the novel construction and combination of the parts hereinafter fully described and claimed.

In the drawings, Figure 1 is a side view of the shears. Fig. 2 is a plan view of the same.

A is a stationary supporting-bracket, consisting of a vertical plate, the lower part of which is secured to a bench or other fixed object.

B represents the shear-blades, provided with crossed handles *c* and *d*, which are pivoted together by a pin *b*. The lower handle *c* is longer than the upper handle *d*.

D is a bell-crank operating-lever, which is pivoted by a pin *e* to the rear end portion of the upper handle *d*. The long end of the bell-crank lever projects in front of the shear-blades, and its shorter end or arm *f* projects rearwardly over the end of the lower handle *c*.

E is a link which is pivoted to the end portion of the lower handle *c* by a pin *g* and to the arm *f* of the bell-crank lever by a pin *h*.

Each handle *c* and *d* is provided with two similar bolt-holes *i*, spaced at the same dis-

tance apart, and *j* represents bolts which pass through holes in the upper part of the bracket A and secure to it whichever handle is found most convenient. When the lower handle *c* is secured to the bracket, the upper shear-blade remains stationary; but when the upper handle *d* is secured to the bracket the lower shear-blade remains stationary. The connection of the handles with the bracket can be changed to suit different kinds of work and the judgment and convenience of the operator.

The bracket A is made of sufficient height to give plenty of room for the lower handle to work when the lower shear-blade is held stationary.

What I claim is—

The combination, with a pair of shear-blades having crossed and pivoted handles each provided with two similar bolt-holes *i* spaced at the same distance apart, and lever mechanism for operating the said handles; of a flat supporting-plate secured in a vertical position and having bolt-holes at its upper part corresponding with the said holes *i*, and two bolts which pass through the said bolt-holes and connect the said handles interchangeably with the said plate, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

SAMUEL N. FORTNEY.

Witnesses:

HARVEY KING,
ROSCOE IRELAND.