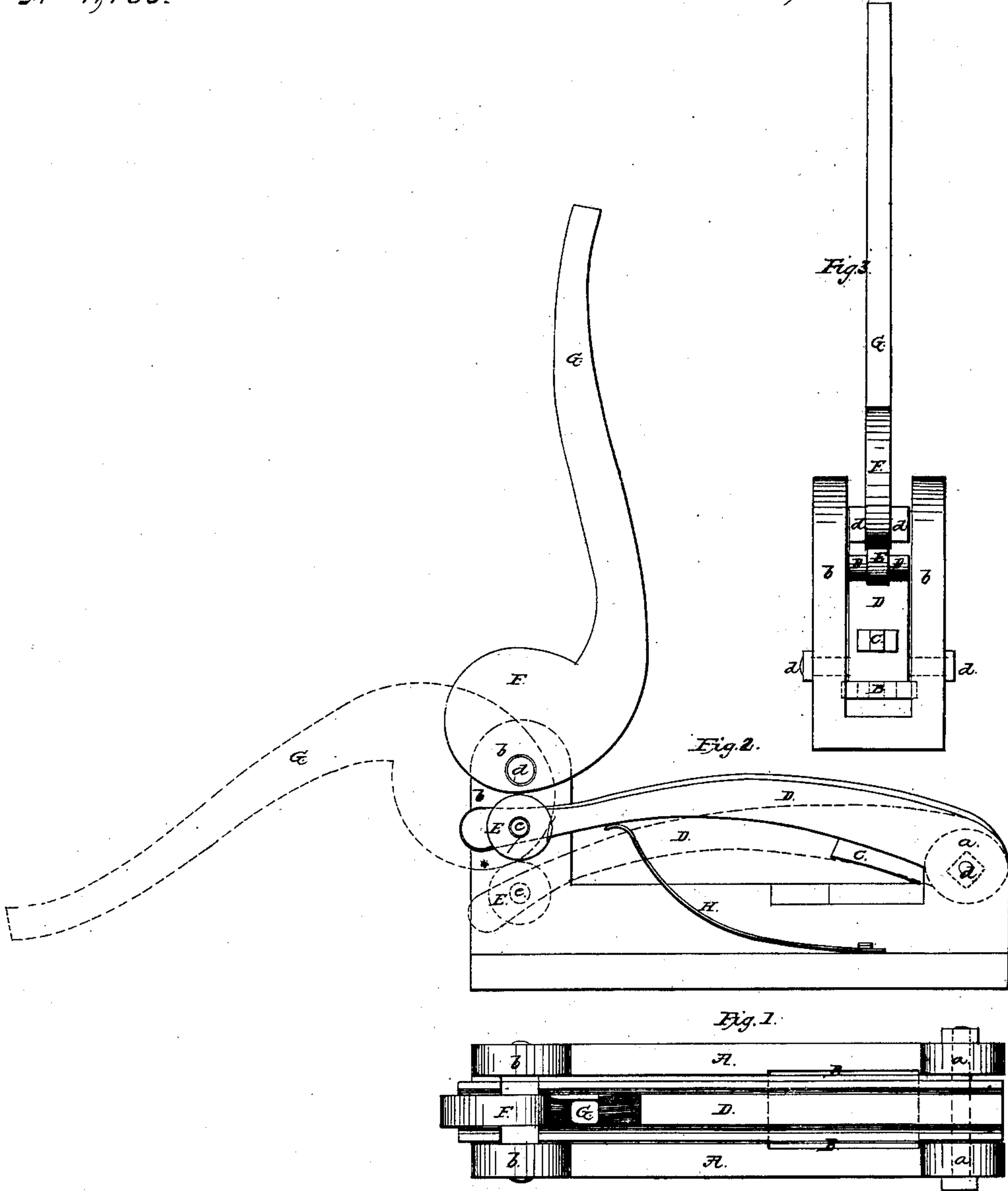


*J. Jack,*

*Saw Gummer.*

*N<sup>o</sup> 11788.*

*Patented Oct. 10, 1854.*



*Witnesses:*  
*John Buckett.*  
*W. S. Kousmina.*

*Inventor:*  
*John Jack.*

# UNITED STATES PATENT OFFICE.

JOHN JACK, OF FAYETTEVILLE, OHIO.

## SAW-GUMMER.

Specification of Letters Patent No. 11,788, dated October 10, 1854.

*To all whom it may concern:*

Be it known that I, JOHN JACK, of Fayetteville, Brown county, Ohio, have invented an Improved Machine for Gumming Saws by Hand-Power, of which machine I hereby declare that the following is a full and exact description, reference being had to the annexed drawings, and the letters of reference marked thereon, in which—

Figure 1, is a plan of the machine about one half the full size; Fig. 2, an elevation and section on the line *w x* Fig. 1, and Fig. 3 an end elevation, the same parts being marked with the same letters in all the figures.

A A are two jaws of cast or wrought iron from twelve to twenty inches long, supporting the plate B which is of steel and shaped to receive C, a suitably shaped cast steel die which is borne by D, the die-lever revolving on *d*, an iron pin having its bearings in *d d*, two lugs made for the purpose and forming part of the jaws.

The opposite end of the die-lever D is forked to provide bearings, the pin *e* on which revolves E, a friction roller against which works F, an eccentric maneuvered by G, a hand lever 11, or more inches long, and revolving on *d d*, the iron pin having its bearings in *b b*, two lugs formed on the jaws for that purpose.

The jaws A A may be of cast or wrought iron; they may be cast on an iron bed-piece as shown in the drawings or bolted together and fastened on a wooden bed piece, the latter supporting the foot of the spring marked H.

The manner of operating my machine is to place it on a convenient solid stand or support, the die and plate being properly placed and fastened; place the saw between them in the right position; operate the eccentric lever bringing the parts into the po-

sitions marked by red lines and letters in Fig. 2; return the lever to its former position; the die-lever will be forced back into its formed position by the spring H (which for want of wire I have made of thin metal in the model but which I would prefer to have made of wire); and prepare for a new stroke.

I am aware that all the devices used in this machine are old, or well known; that they are in common use for various operations of slitting, punching and shearing metals; I am aware that the application of a lever working an eccentric directly over the die and plate has been made patented and claimed for the purpose of gumming saws by others. I therefore lay no claim to these devices, nor to their application to gumming saws, nor to the use of the hand-lever and eccentric generally for the purpose of forcing the die into the plate, nor to the friction roller as a means of diminishing friction in the working of eccentrics for producing pressure generally, this device being already in use other, especially in heavy machines; but

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

The arrangement of the parts of the machine as herein before set forth, in combination with a short die-lever bearing a friction-roller and another hand-lever to maneuver an eccentric working on said friction-roller as a means of working a hand-machine for gumming saws whereby said machine is rendered more compact, portable, economical and efficient than any at present known or used.

JOHN JACK.

Witnesses:

JOHN BICKETT,  
N. S. ROSECRANS.