

(No Model.)

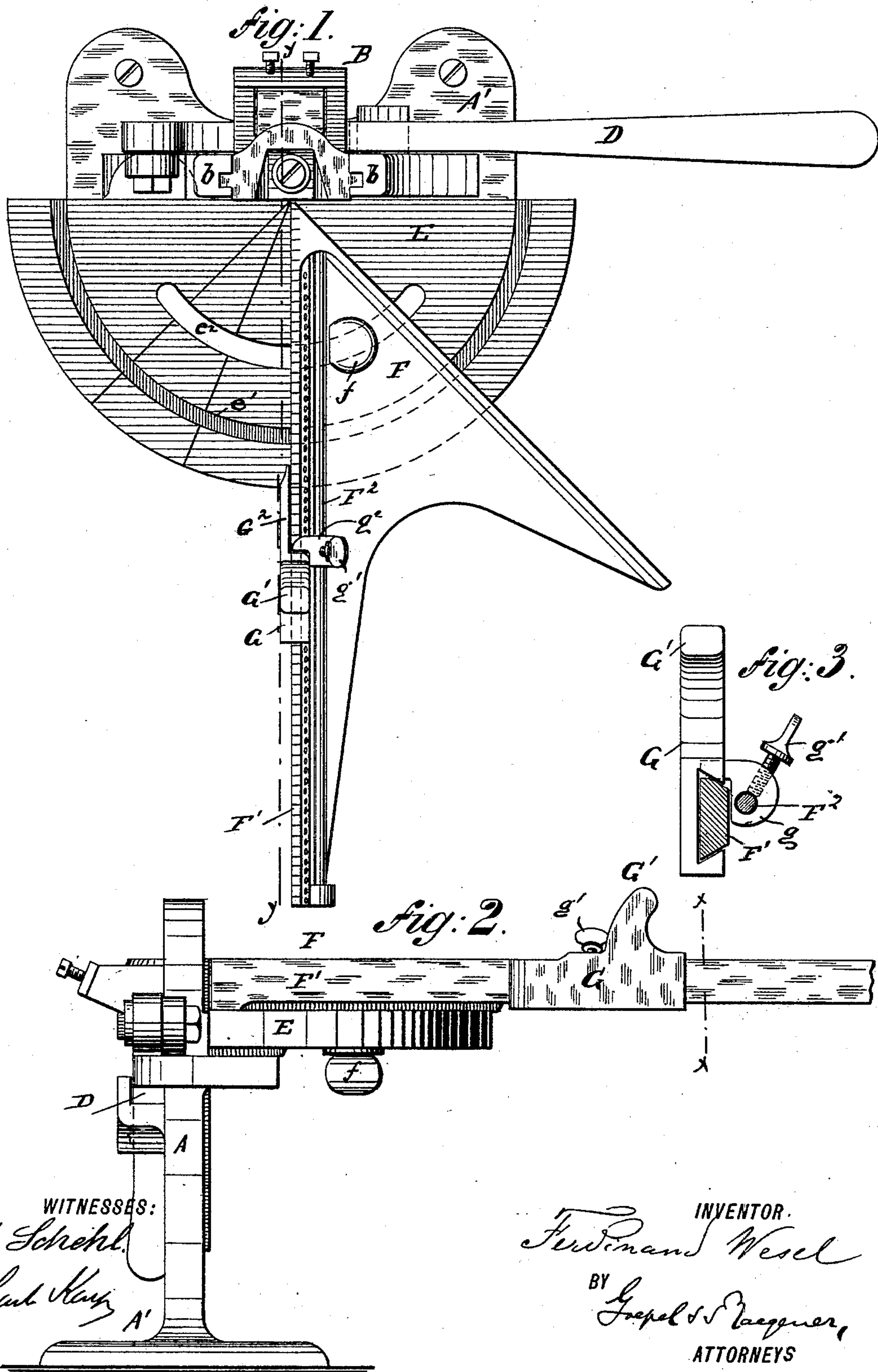
2 Sheets—Sheet 1.

F. WESEL.

MACHINE FOR CUTTING PRINTERS' RULES.

No. 395,728.

Patented Jan. 8, 1889.



WITNESSES:

A. Schuhl.

Karl Kapp

A'

INVENTOR.

Ferdinand Wesel

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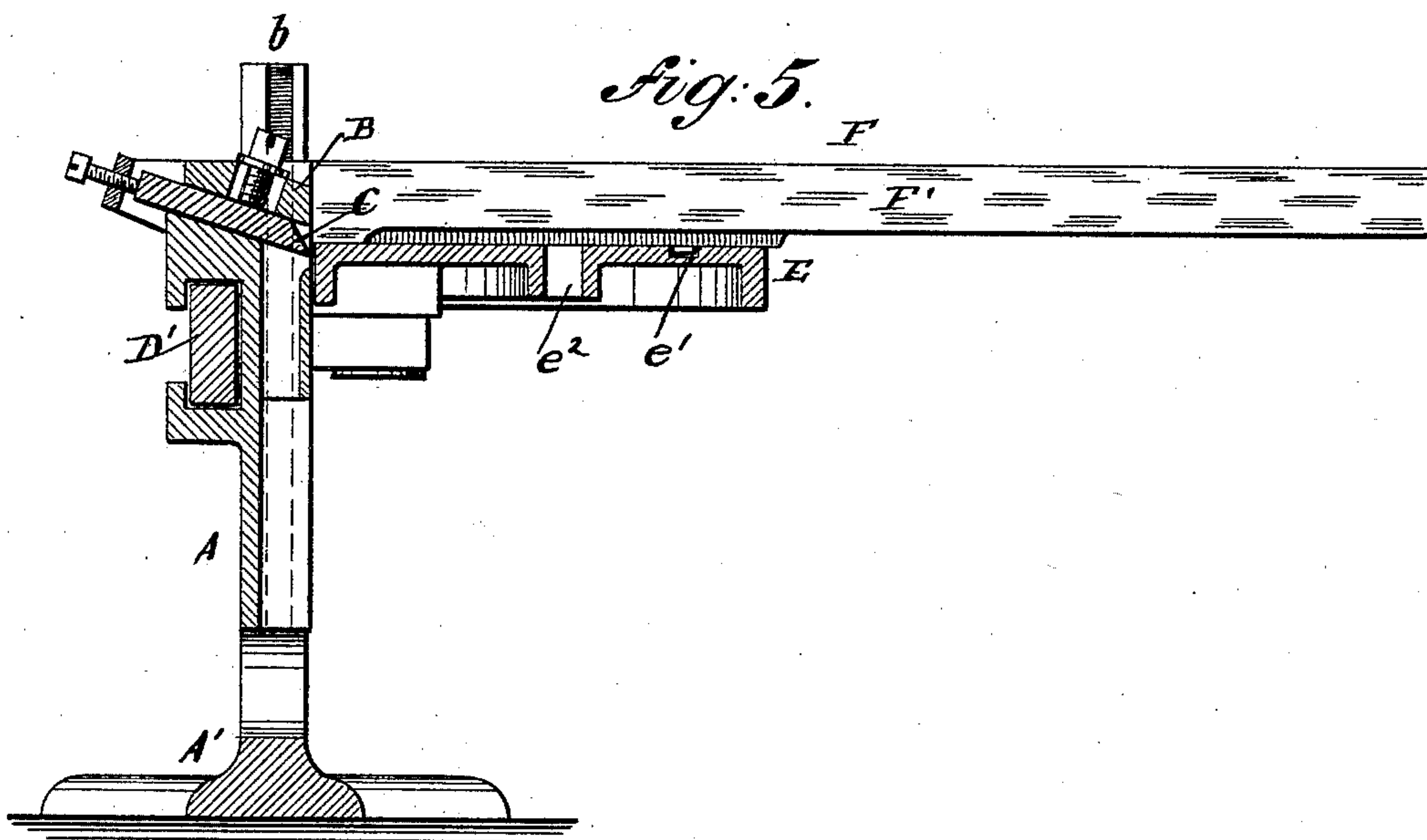
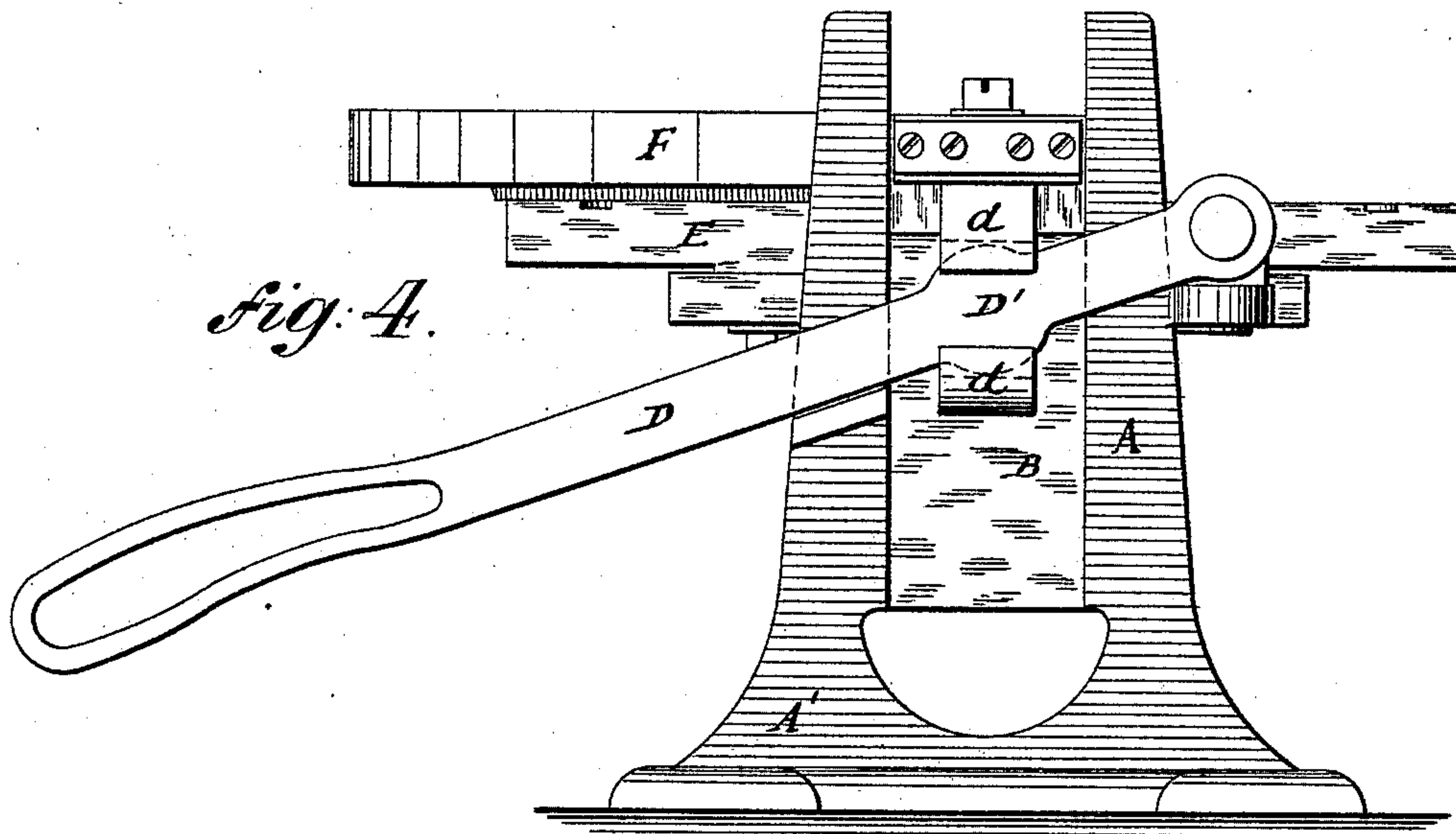
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WITNESSES:

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UNITED STATES PATENT OFFICE.

FERDINAND WESEL, OF NEW YORK, N. Y.

MACHINE FOR CUTTING PRINTERS' RULES.

SPECIFICATION forming part of Letters Patent No. 395,728, dated January 8, 1889.

Application filed August 7, 1888. Serial No. 282,149. (No model.)

To all whom it may concern:

Be it known that I, FERDINAND WESEL, of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Machines for Cutting Printers' Rules, of which the following is a specification.

This invention relates to an improved machine for cutting printers' rules to any length required in a quick and effective manner, and for mitering them to the required angle.

In the accompanying drawings, Figure 1 represents a plan view of my improved machine for cutting printers' rules. Fig. 2 is a side elevation of the same; Fig. 3, a vertical transverse section on line $x x$, Fig. 2, drawn on a larger scale; Fig. 4, a rear elevation of the machine; Fig. 5, a vertical longitudinal section on line $y y$, Fig. 1.

Referring to the drawings, A represents the supporting-stand of my improved machine for cutting printers' rules. The stand A is made fork-shaped and provided with an enlarged base, A'. In the upright fork of the standard A is guided in suitable ways, $b b$, the holder B, to which the cutting-knife C is applied in the usual manner by a clamping-screw and adjusted thereon by a set-screw, as shown in Fig. 5. A lever, D, pivoted to the standard A, and engaging by an enlarged rounded-off portion, D', lugs or keepers $d d$ of the knife-holder B, imparts vertically-reciprocating motion to the knife-holder when moved up and down by the hand. A horizontal table, E, is supported on the standard and provided with an arc-shaped slot, e^2 , and semicircular recess e' for guiding and clamping a sector-shaped guide-plate, F, which latter is secured by a clamp-screw, f , passed through the arc-shaped slot e^2 , and guided by a bottom tongue in the recess e' of the plate E. The angle of the swinging guide-plate F is in line with the center of the cutting-knife and close to the same. One edge of the guide-plate F is provided with a dovetailed edge-

bar, F', and a rod, F², parallel to said edge-bar, said dovetailed guide-bar being graduated and provided with depressions. A stop is adjusted by a set-screw, g' , on the rod F², said stop serving to stop a push-piece, G, which is guided by a dovetailed recess on the dovetailed bar F', and provided with a forwardly-extending tongue, G², between which and the edge-bar F' the rule to be cut is inserted. The push-piece G is also provided with an upwardly-extending handle, G', by which the same is moved forward until the rule by the repeated cutting or chipping of the knife is reduced to the proper length and the motion of the push-piece arrested by the stop g . As the length to which the rule is to be cut off is first set off by the stop g it is obvious that a proper length of rule is obtained when the push-piece is arrested by the same. In this manner an effective cutting of the printers' rule to the proper length can be accomplished, one hand working the operating-lever D of the cutting-knife, while the other moves the push-piece and feeds the rule successively forward for the action of the cutting-knife.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination of an upright standard, a vertically-reciprocating knife-holder guided in ways of the same, a cutting-knife in said holder, a lever for reciprocating said holder, a horizontal guide-table, a horizontal adjustable guide-plate provided with a dovetailed edge-bar, a guide-rod fixed on said guide-plate parallel to said edge-bar, an adjustable stop on said guide-rod, and a push-piece guided on said edge-bar, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

FERDINAND WESEL.

Witnesses:

OSCAR F. GUNZ,
CARL KARP.