

(No Model.)

D. L. SHIVERS.
GAGE FOR LEAD OR RULE CUTTERS.

No. 459,593.

Patented Sept. 15, 1891.

Fig. 1.

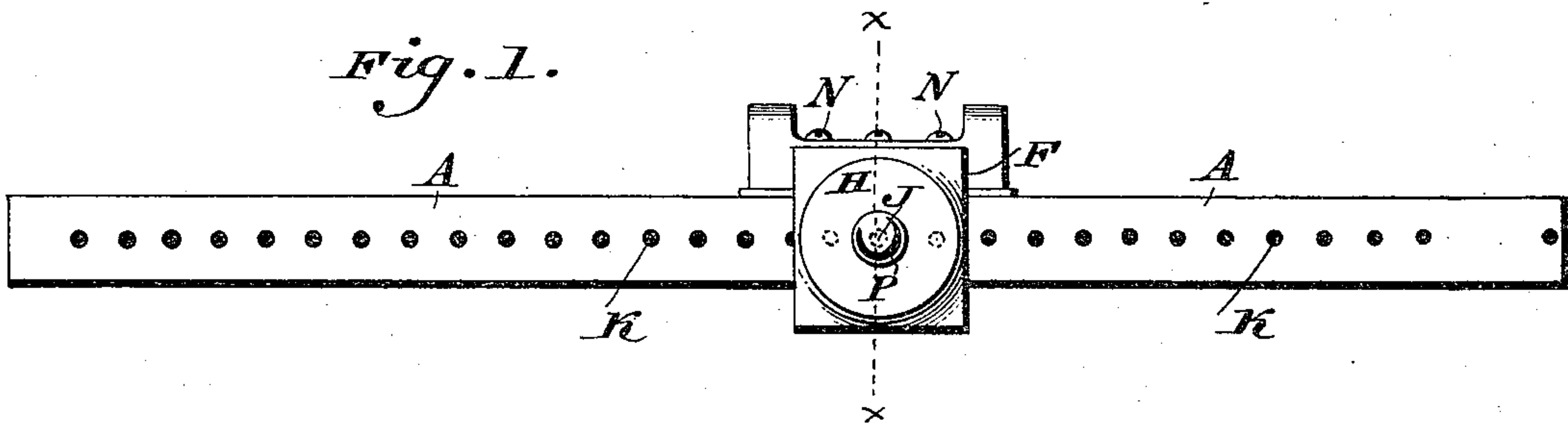


Fig. 2.

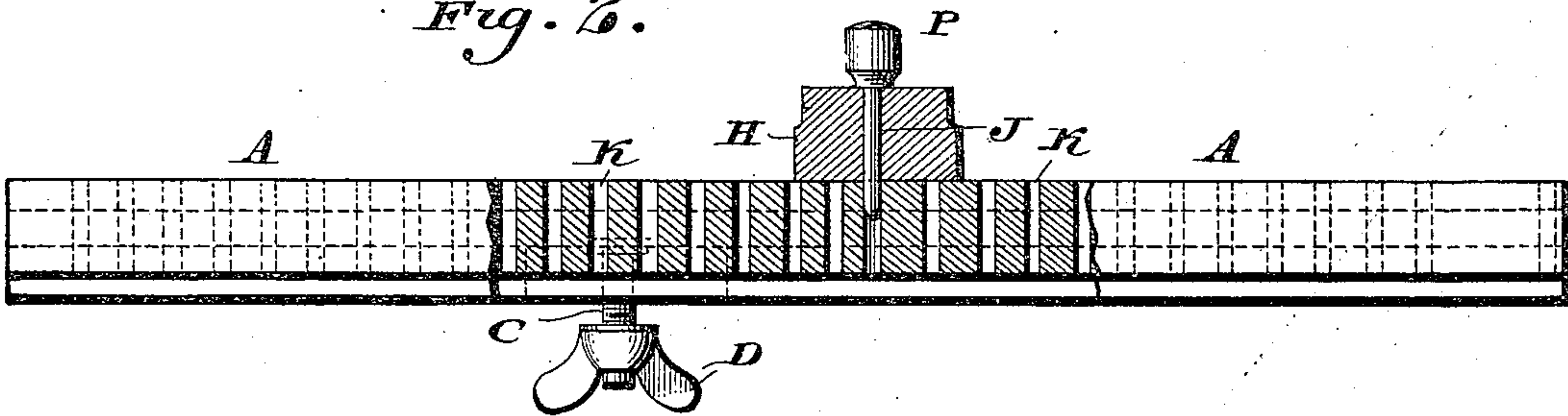


Fig. 3.

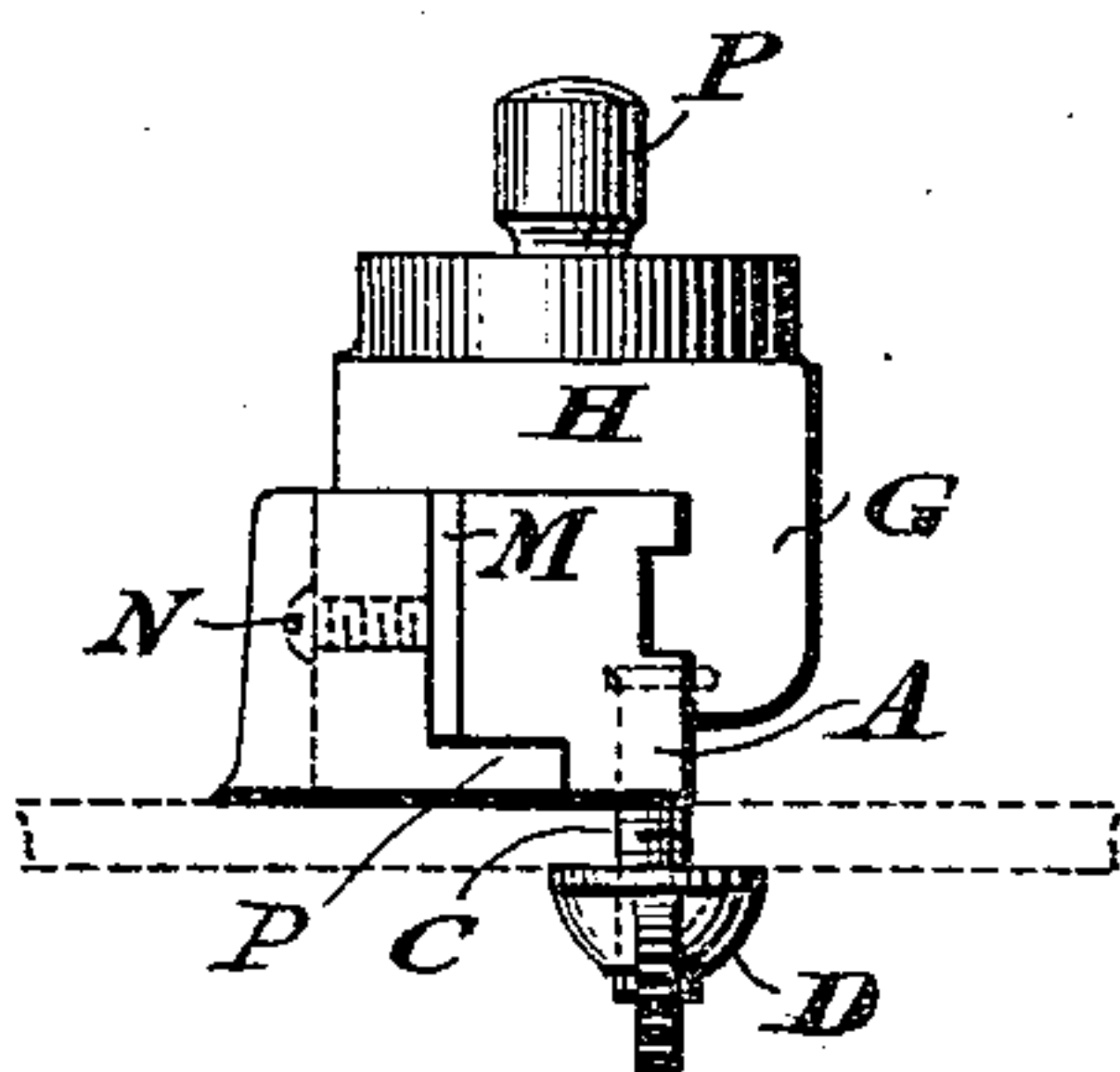
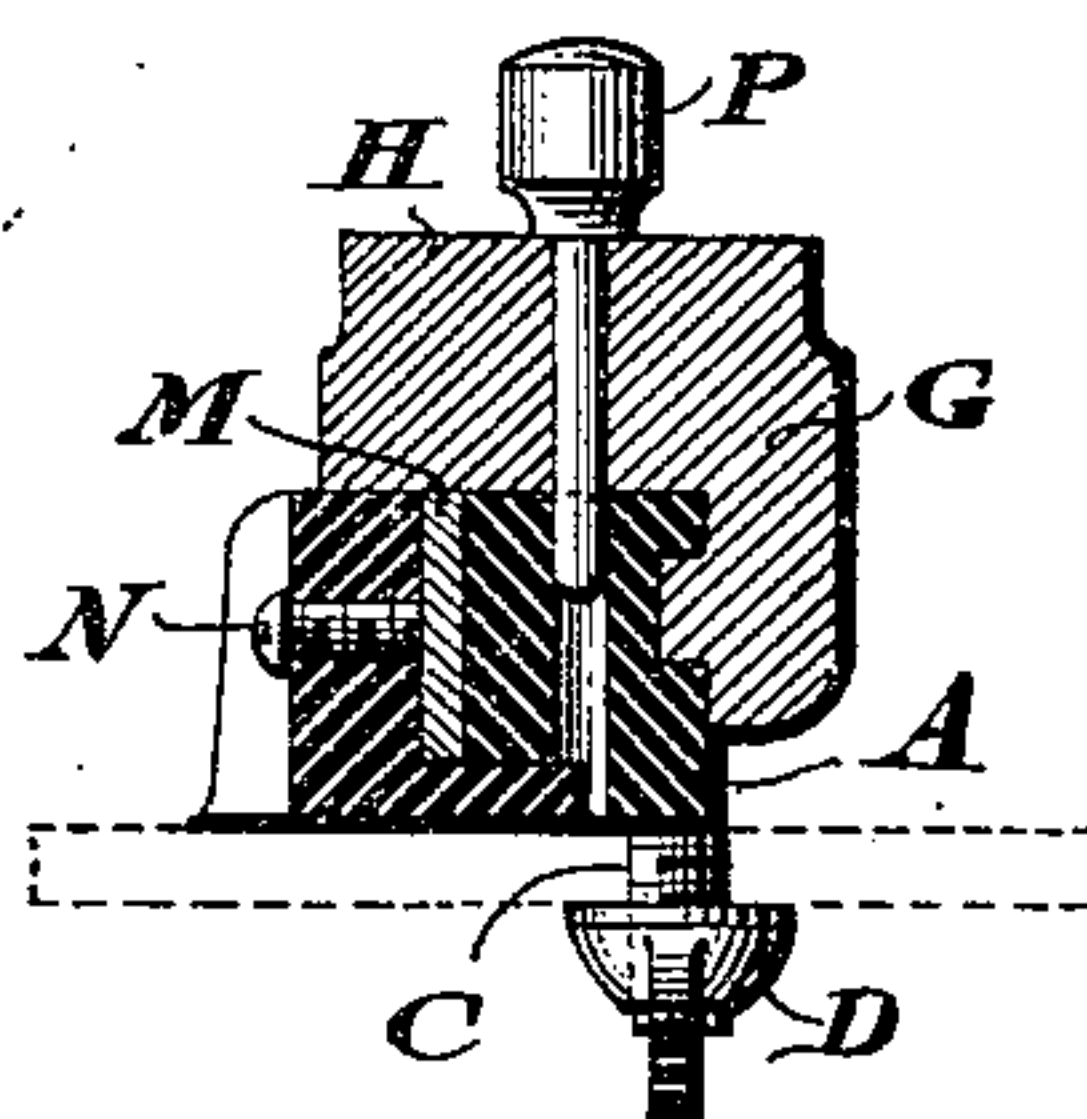


Fig. 4.



WITNESSES:

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GAGE FOR LEAD OR RULE CUTTERS.

SPECIFICATION forming part of Letters Patent No. 459,593, dated September 15, 1891.

Application filed December 10, 1890. Serial No. 374,133. (No model.)

To all whom it may concern:

Be it known that I, DAVID LOUIS SHIVERS, a citizen of the United States, residing in the city and county of Camden, State of New Jersey, have invented a new and useful Improvement in Gages for Lead or Rule Cutters, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a gage for lead or rule cutters constructed as hereinafter described.

Figure 1 represents a plan view of a gage. Fig. 2 represents a side view, partly broken away, of the gage shown in Fig. 1. Fig. 3 represents and end view of the same. Fig. 4 represents a section in elevation on line $x x$, Fig. 1.

Similar letters of reference indicate corresponding parts in the several figures.

Referring to the drawings, A designates a bar or rule adapted to rest on the bed B of a lead or rule cutter and be secured thereto by means of a stud C, which passes through said bed and has a clamping-nut D on a screw-threaded end thereof.

On the bar A is the slide F, consisting of the side pieces G and a bridge or connecting piece H, the side pieces being in close contact with the inwardly-inclined sides of the bar, so as to be held thereon, and one of them having its end against which the end of the lead abuts while being cut, at right angles to the bar, and the bridge-piece H, which extends across the upper face of the bar, having an opening J therein adapted to coincide with any one of a series of openings or holes K in said rule for the insertion of a pin L therein, thereby locking the slide in place on the bar. The openings of said series, which are at regular intervals, are graduated or marked by numbers or other characters, indicative of their distances from the knife of the cutter, thereby designating the length of the lead or rule which is to be cut. The graduations show, preferably, pica lengths, as such are the

usual basis of measurement for such articles.

The bar A is provided with a groove P in its under side at one side thereof, wherein the lead that is being cut is inserted so that it is firmly held in place during the cutting thereof.

To provide for the wear of the contact parts of the slide and bar, a metallic piece M is inserted between the side of the bar and the inner side of one of the side pieces of the slide and moved to or from the side of the bar by means of the screws N, which have their points in said piece M.

It will be seen that, owing to the openings K being at regular intervals of pica lengths, all liability of cutting a rule or lead an irregular length is avoided.

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

1. A gage for lead or rule cutters, having a bar provided with a series of holes at regular intervals, a screw-threaded stud connected with said bar and having a clamping-nut thereon, a slide on said bar, having a bridge-piece with an opening therein adapted to register with any of the holes in the bar, a pin fitting in said bridge-opening and adapted to engage in a registering opening in the bar, said bar having a grooved under portion at one side, adapted to receive and hold a lead, and said slide having between it and the bar a movable piece with adjusting-screws working in said slide, said parts being combined substantially as described.

2. A gage for the purpose set forth, consisting of a bar having a clamping device connected therewith and a groove in its under side and at one side thereof, and a slide on said bar provided with a securing-pin, said parts being combined substantially as described.

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Witnesses:

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