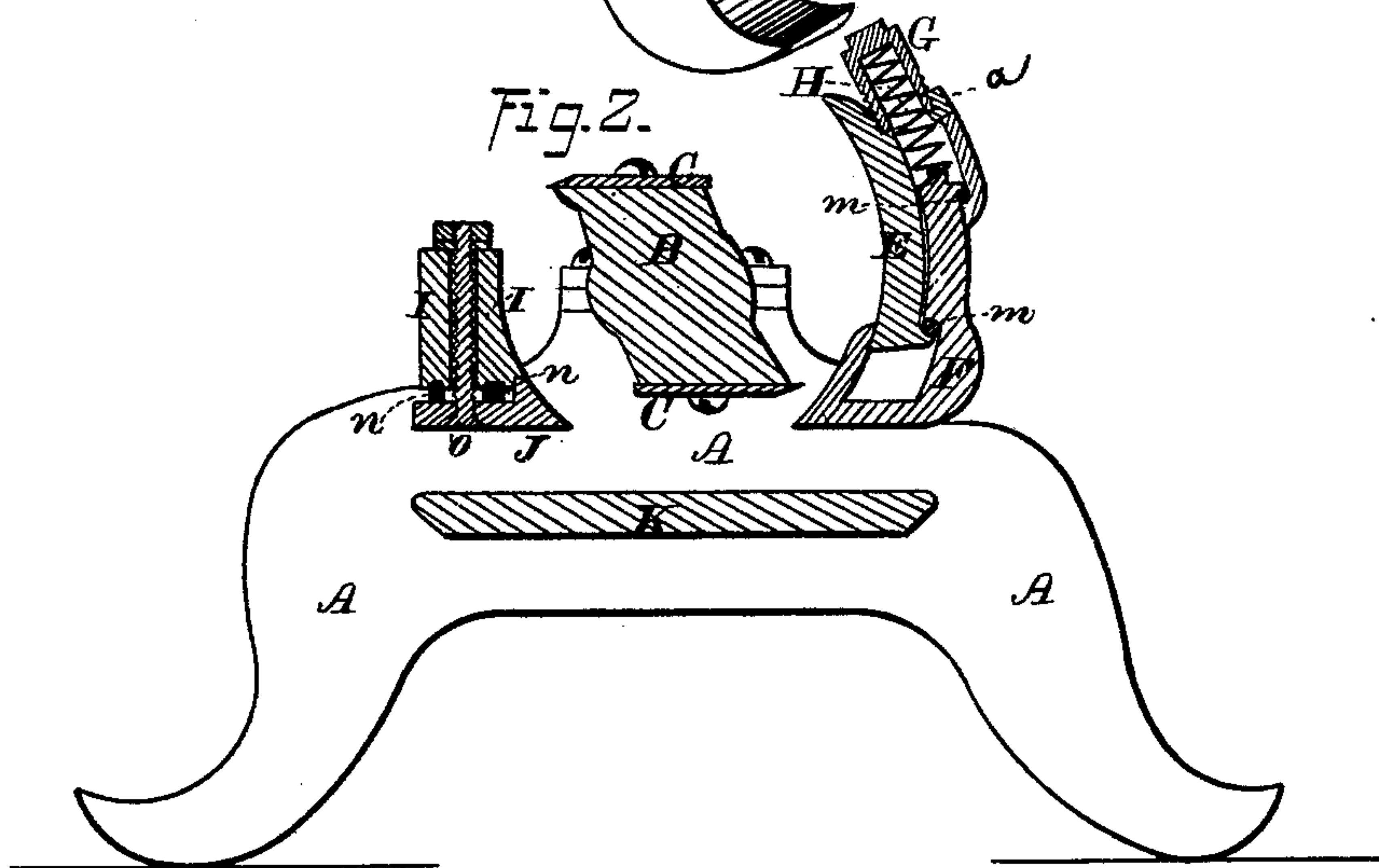
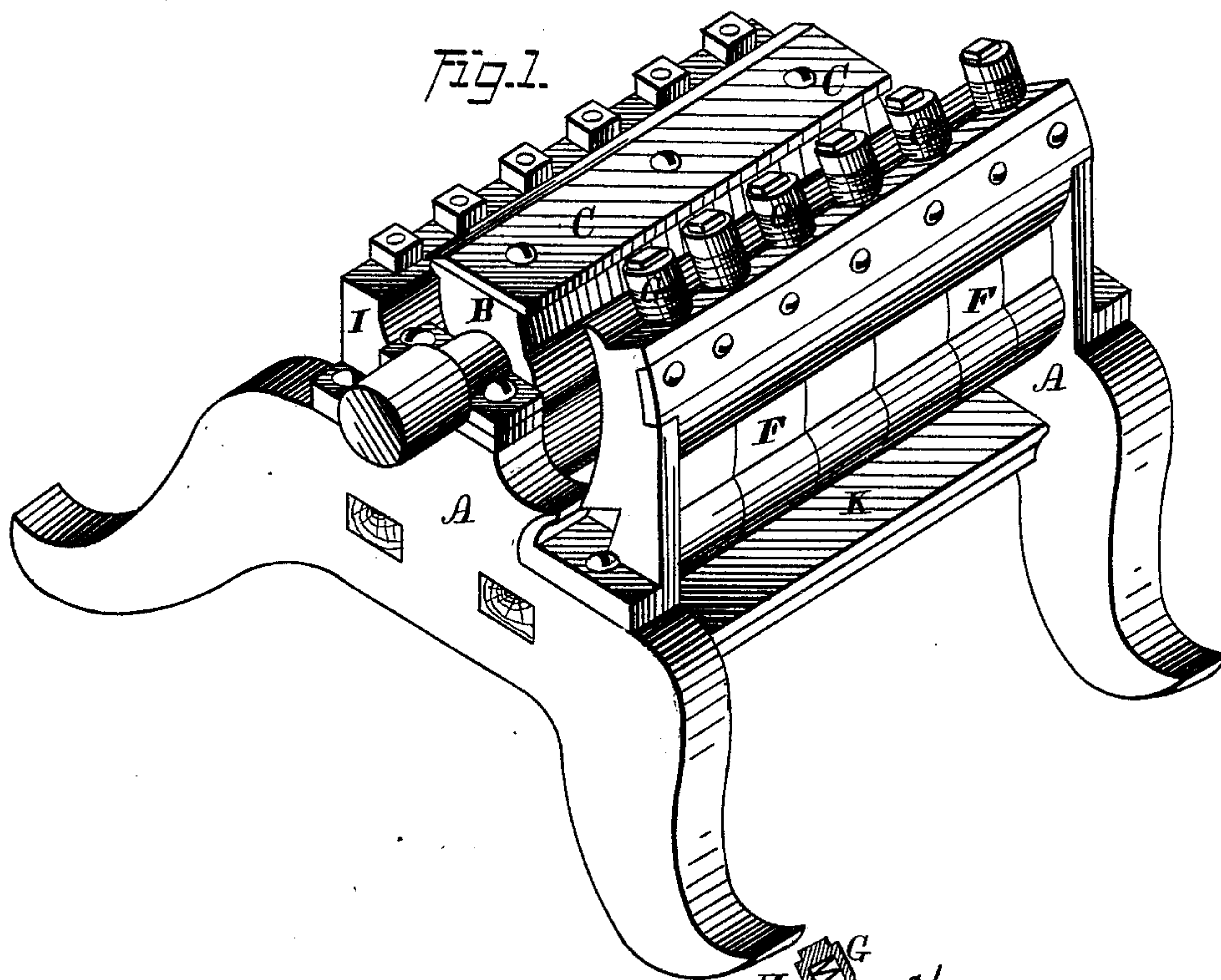


C. R. PATTERSON.

PLANING-MACHINE.

No. 176,479.

Patented April 25, 1876



WITNESSES=
Jas. C. Hutchinson.
E. T. Prindle

INVENTOR.
C. R. Patterson

UNITED STATES PATENT OFFICE.

CHESTER R. PATTERSON, OF PITSTON, PENNSYLVANIA.

IMPROVEMENT IN PLANING-MACHINES.

Specification forming part of Letters Patent No. **176,479**, dated April 25, 1876; application filed March 20, 1876.

To all whom it may concern:

Be it known that I, CHESTER R. PATTERSON, of Pittston, of the county of Luzerne and State of Pennsylvania, have invented a new and useful Improvement in Planing-Machines, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings.

The object of my invention is to hold the lumber fast and steady while being acted upon by the knives, and is an improvement on my invention patented May 25, 1875, No. 163,802.

Figure 1 is a perspective view, and Fig. 2 is a longitudinal vertical section.

A represents the frame; B, the rotary head, with cutters C C. E represents the guide, running across the machine, and fastened to the frame or projecting from it, and is arranged to receive the anti-friction rollers *m m*. F is the pressure block or foot, and is so arranged as to work against the anti-friction rollers *m m*, which are protected from the dust by being located behind the guide E. G is a series of hollow caps or covers for the springs H, and which are constructed so as to be adjustable by means of the screw-threads *a*, as shown in Fig. 2 of the drawing. It also may be made

with an adjustable plug on top, to enable the operator to regulate the pressure according to the work to be done. I is a guide, running across the machine and fastened to the frame or projecting from it behind the cutter-head. J is the pressure block or foot, fastened under the guide I by means of the bolt O, and held down by means of two springs, *n n*, which enables the operator to throw the most pressure at the point of the foot nearest the cutters, by having one spring heavier than the other, thereby holding the lumber to be worked firmly on the bed K, thus securing a more perfect surface on the lumber dressed.

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

The pressure-foot F, in combination with the guide E, anti-friction rolls *m m*, and caps G, provided with springs H, all constructed and arranged as described, and for the purpose set forth.

In testimony whereof I have hereunto set my hand this 18th day of March, 1876.

CHESTER R. PATTERSON.

Witnesses:

WM. A. JOHNSON,
WILLIAM FITCH.