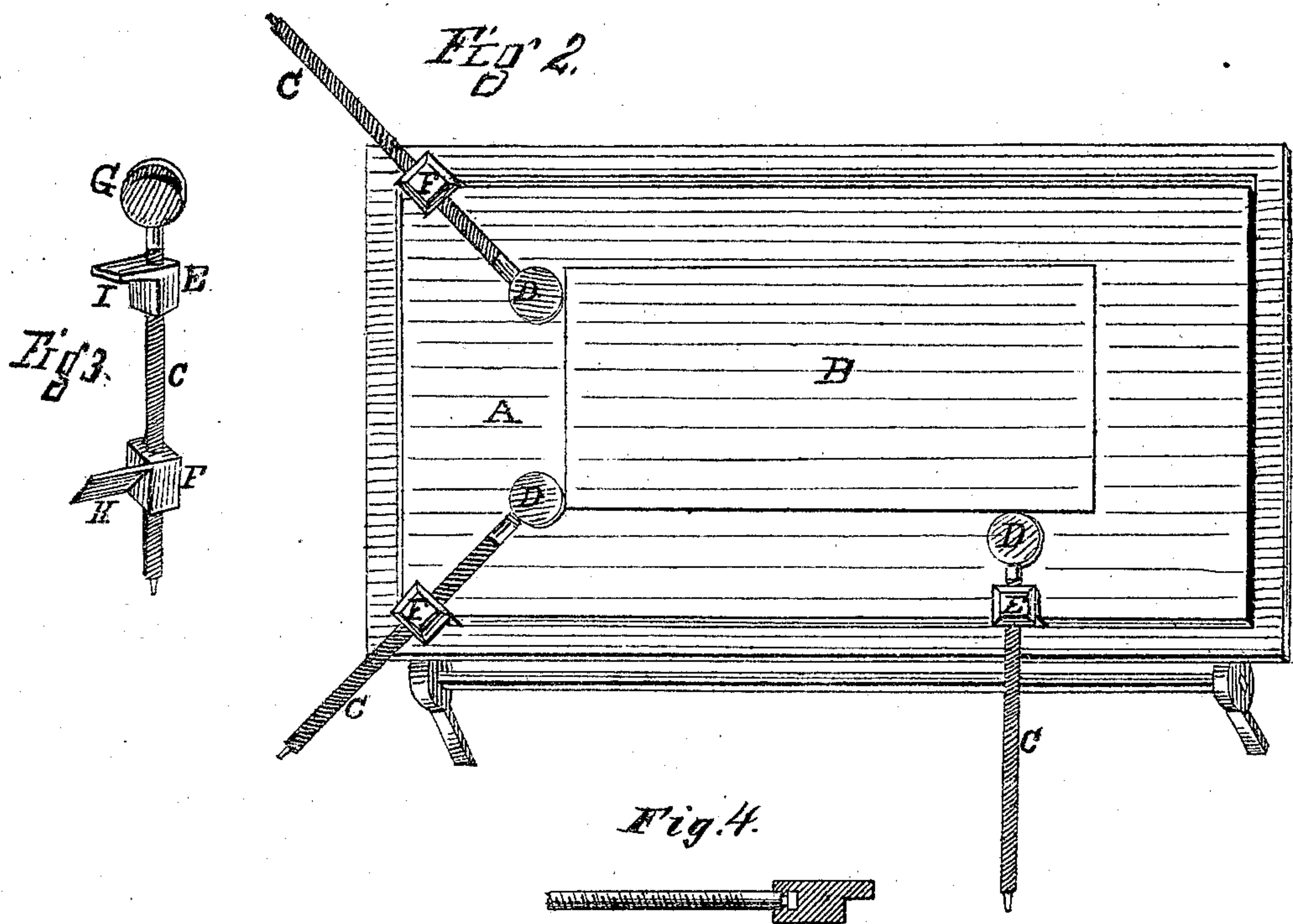
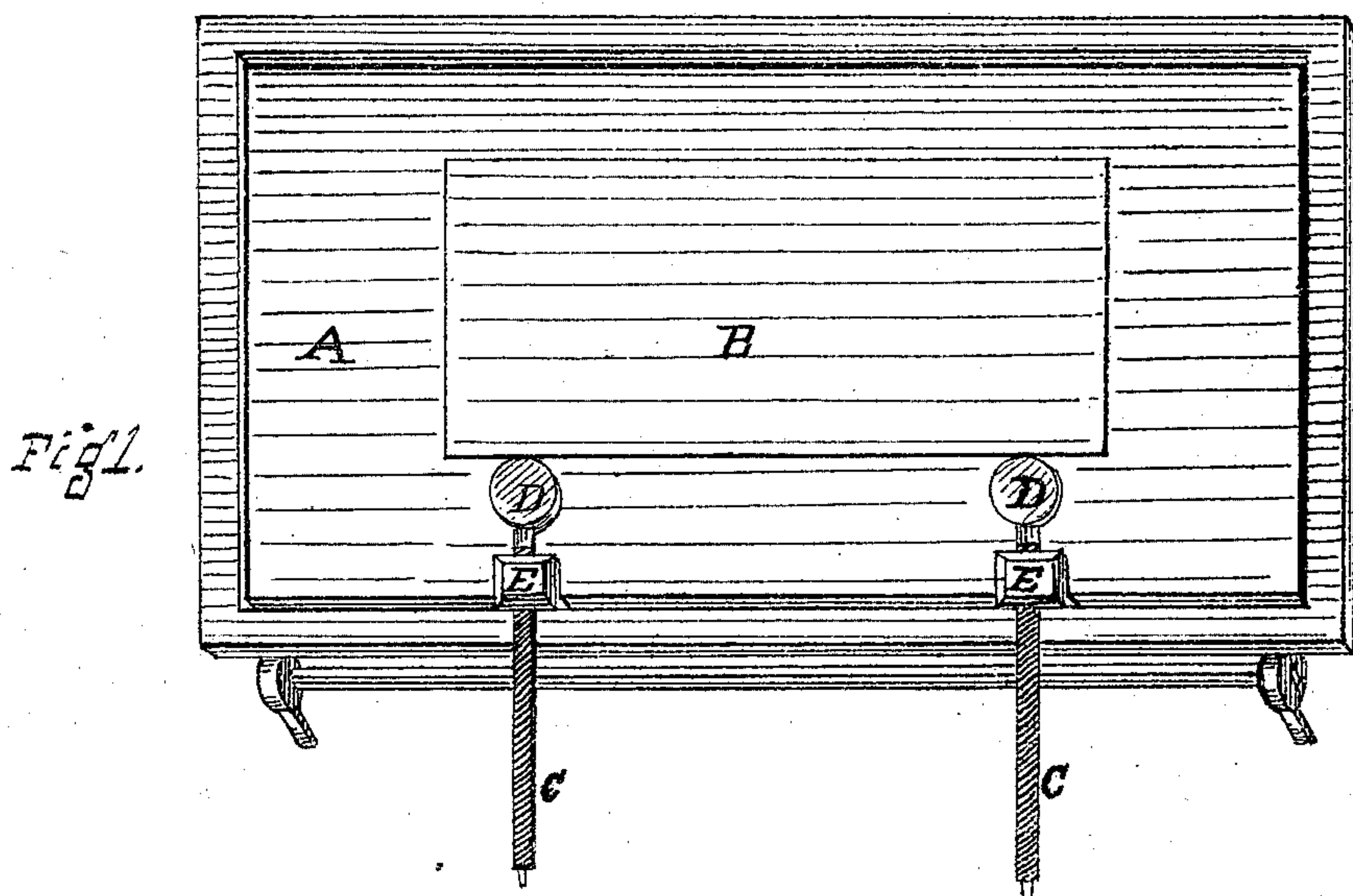


Edward N. Maxwell's "Feed Gauge for Printing Presse

No. 122,842.

Patented Jan. 16, 1872.



Witnesses;
E. F. Hays
W. F. Clarke

Inventor.
Edward N. Maxwell

UNITED STATES PATENT OFFICE.

EDWARD N. MAXWELL, OF LOUISVILLE, KENTUCKY.

IMPROVEMENT IN FEED-GAUGES FOR PRINTING-PRESSES.

Specification forming part of Letters Patent No. 122,842, dated January 16, 1872.

I, EDWARD N. MAXWELL, of the city of Louisville, county of Jefferson and State of Kentucky, have invented a certain new and useful Improvement in Feed-Gauges for a Printing-Press, to be used as a rest or guide for the paper in printing bill-heads, cards, letter-heads, and other similar matter, of which the following is a specification:

This invention consists of two or more screws, made of any suitable kind of metal, about one-eighth of an inch in diameter, with a screw-thread cut thereon, nearly the whole length of the piece, one end of which is made square in order that it may be turned by means of a small wrench; while the other end is provided with a cylindrical head about three-eighths of an inch in diameter and one-fourth of an inch in length, working loosely on the screw, which enters it at the side, the top being made flat and the bottom slightly beveled that the front edge may fit down closely on the tympan-sheet, to prevent the sheet of paper being printed from passing under it. In the lower part of the screw-head a recess is cut that the sheet may not rise or slip over it. Each of these screws has a square metal nut with a flat wedge-shaped tine on one side, by which it is fastened to the platen of the press. This is done by forcing the tine into the seam between the platen-plate and the frame around it, which holds it firmly in position. The screw-heads can then be adjusted to any point to suit the sheet to be printed. It sometimes becomes necessary to feed the sheets to the end instead of the side of the platen, at a right angle to the ordinary position. To meet this the gauge is furnished with an additional nut having its tine at an angle to its side, so that when placed in the seam near the end of the platen the screw will stand at an angle to the sides of the platen, when it may be adjusted to receive the sheet as before. When the sheet is fed in this man-

ner a third gauge, the tine on the nut of which stands square with it, must be placed on the lower side of the platen to prevent it from slipping below the proper position. When these gauges are once set they remain securely in position, not being liable to change, as is often the case with other devices in use for this purpose.

A more thorough understanding of my invention may be had by reference to the accompanying drawing.

Figure 1 is a view of the platen of an ordinary printing-press, showing the sheet of paper and the feed-gauges and how they are used upon it. Fig. 2 is also a view of the platen, showing the gauges when used both at the end and side. Fig. 3 is a view of one of the screws, showing the two nuts, one with the tine at an angle, the other with the tine standing square, although but one of these nuts is ever used at the same time. Fig. 4 is a section of the screw and swiveled head without the tine-nut.

In the drawing, A A represent the platen of an ordinary printing-press, showing how the gauges are used upon it, although no model of it is furnished, it being no part of my invention. B B are the sheets of paper, showing how they rest against the heads of the guides. D D D D D are the heads of the gauge-screws. E E E are the nuts with their tines parallel to the side. F F F are nuts, the tines of which stand at an angle. G is a recess in the screw-head to prevent the sheet from rising.

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

The recessed head D, swiveled upon the screw C, in combination with the tine-nuts E or F, substantially as set forth.

EDWARD N. MAXWELL.

Witnesses:

E. F. HUYCK,
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