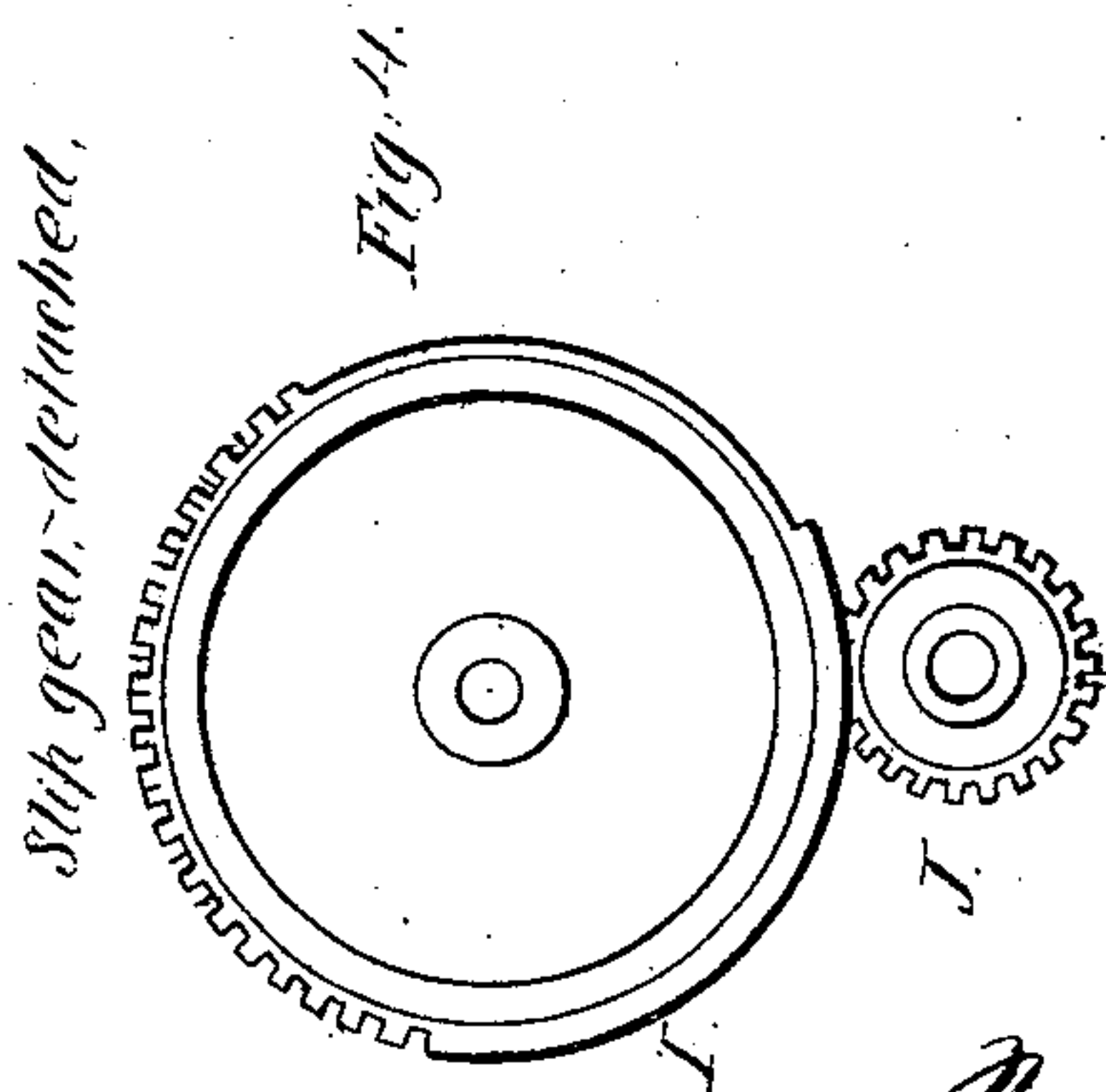
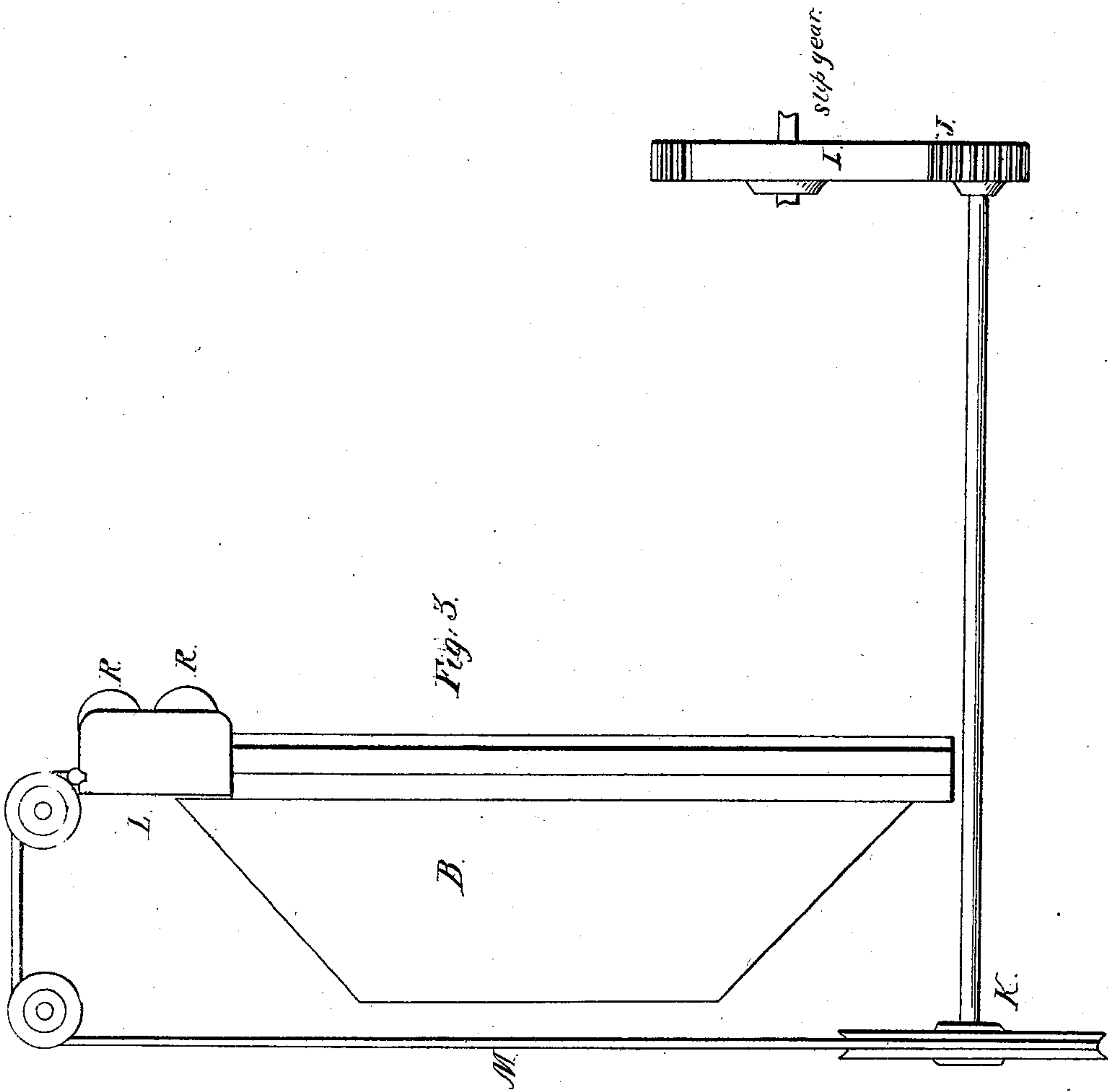


M. Gally. Sheet 1. 3 Sheets.
Printing Press.
N^o 90577. Patented Nov. 9. 1869.



Witnesses:
Wm. A. Gally
Luther C. McNeil

Inventor:
Meritt Gally

M. Gally. Sheet 2. 3. Sheets.
Printing Press.
Nº 96577. Patented Nov. 9. 1869.

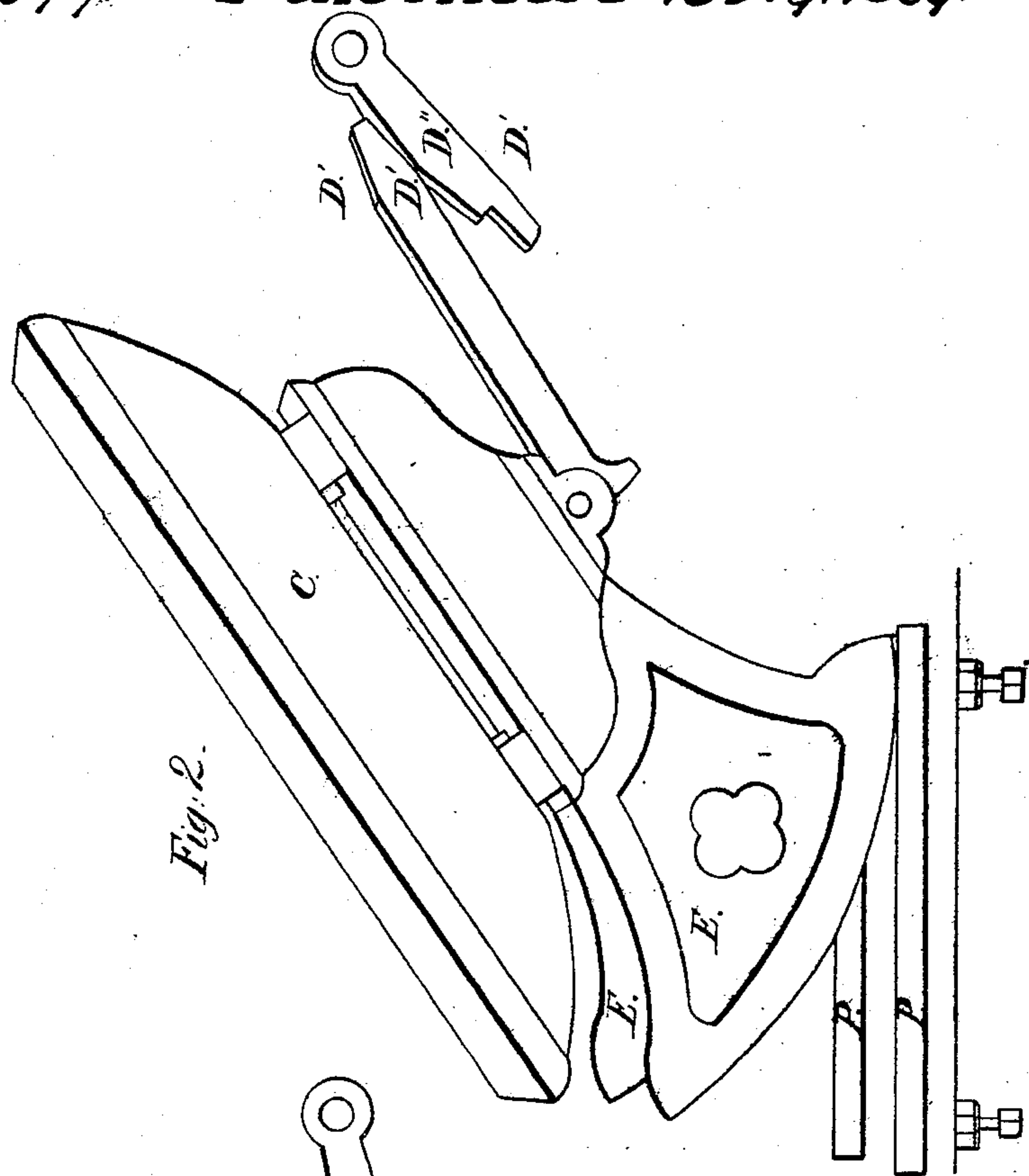


Fig. 2.

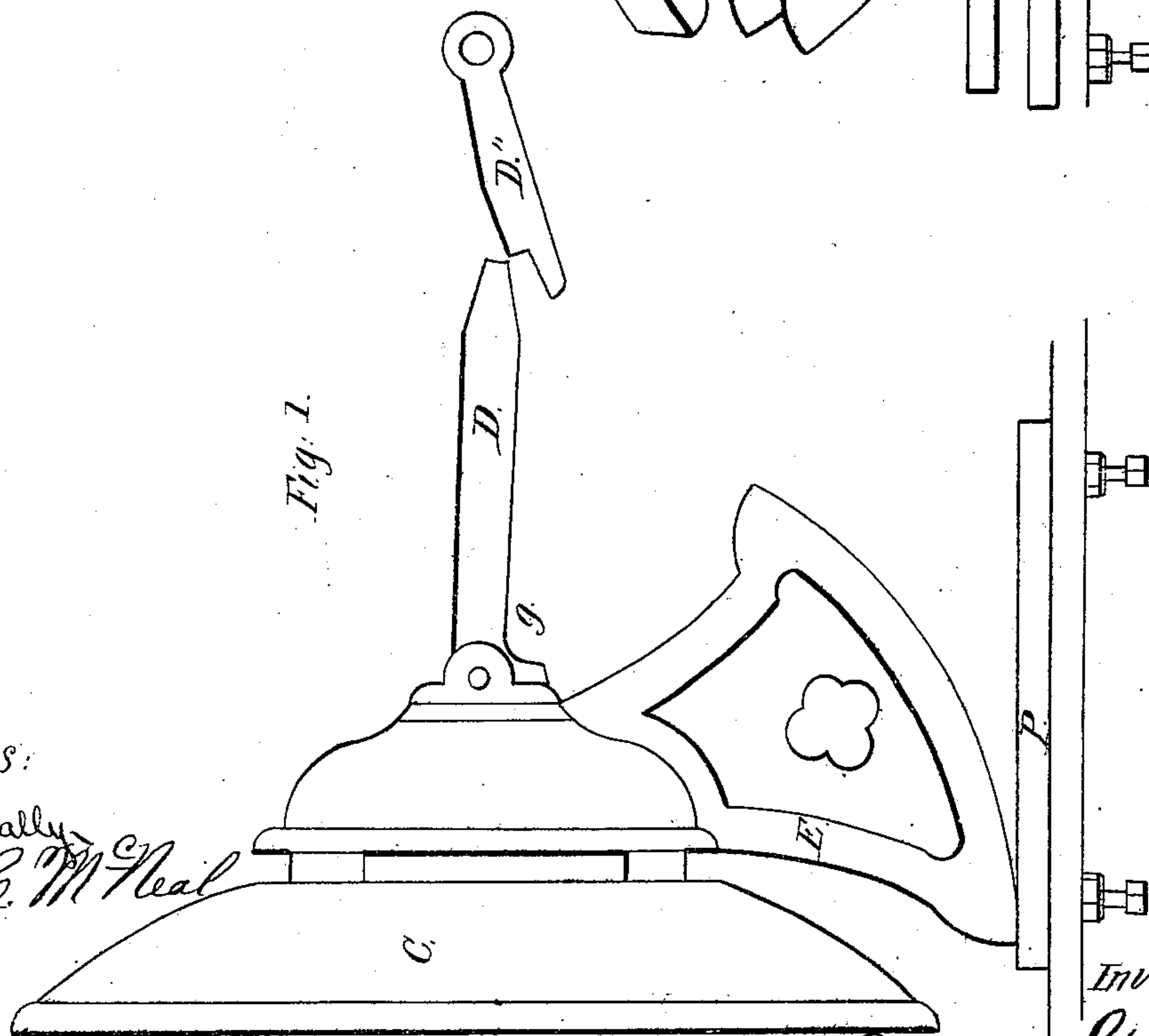
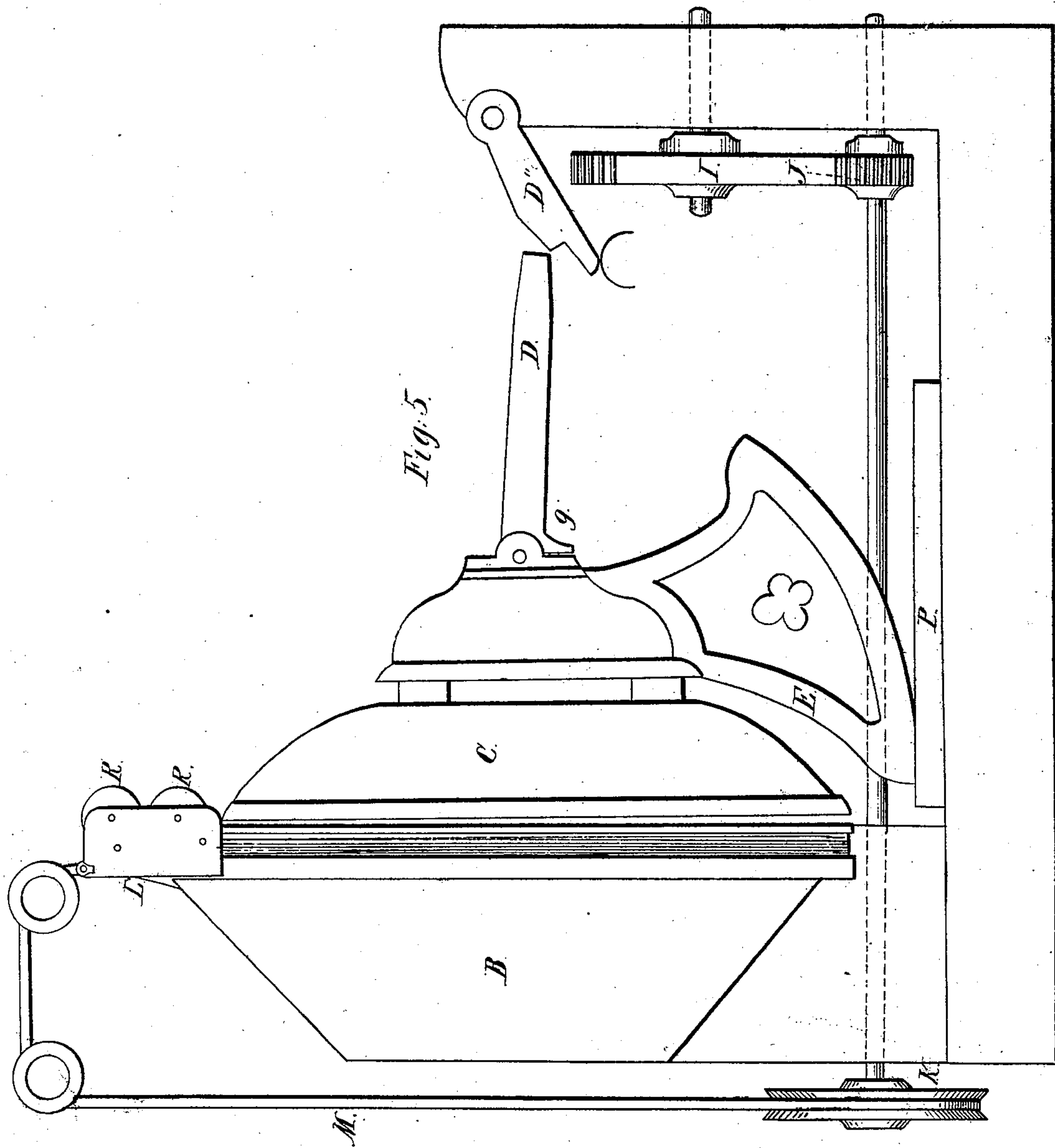


Fig. 1.

Witnesses:
Wm. A. Gally
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M. Gally. Sheet 3. 3 Sheets.
Printing Press.
Nº 96577. Patented Nov. 9. 1869.



Witnesses:

R. P. Gordon
J. W. Carpenter

Inventor.

Merritt Gally

UNITED STATES PATENT OFFICE.

MERRITT GALLY, OF RYE, ASSIGNOR TO ALLEN CARPENTER, OF ROCHESTER,
NEW YORK.

IMPROVEMENT IN PRINTING-PRESSES.

Specification forming part of Letters Patent No. 96,577, dated November 9, 1869.

To all whom it may concern:

Be it known that I, MERRITT GALLY, of Rye, in Westchester county and State of New York, have invented a new and Improved Printing-Press, called "The Universal Printing-Machine;" and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Figure 1, Sheet 1, represents a side view of plate C, with slipping-toggle D D'' in position for making the impression. Fig. 2 represents plate C in its second position, removed from the position for the impression; also, the second position of slipping toggle D D''. Fig. 3, Sheet 2, represents a type-bed, B, (side view;) also, the combination of parts used for giving motion to the inking-rollers. Fig. 4 represents a second view of the slip-gear, forming a part of the combination of parts used for giving motion to the inking-rollers. Fig. 5, Sheet 3, represents the relative positions of the parts claimed just before the impression is given.

Instead of swinging the vibrating plate C upon a pivot, as in other presses, I support the same upon the curved rocker or rockers E E, which rest upon the rocker-seat or rocker-seats P P. Thus constructed, the plate C may be perfectly balanced, by adjusting the rocker-seat or rocker-seats P P with respect to the center of gravity of plate C, without the use of counter-weight.

The plate C may be used either as a bed or platen.

For making the impression, I construct a slipping-toggle, as follows: I pivot the arm D to the plate C, and support the same (arm D) by means of a stop, *g*, at its pivoted extremity.

I allow the arm D'' to drop below the arm D after the impression, and as the plate C moves backward the arm D slides by the arm D'', as represented by D' D'. When the types are placed upon plate B the plate C is used for the reception of the sheets, and vice versa.

The inking-rollers R R are carried over the types by the action of the pulley K with strap, cord, or chain M.

The pulley K is moved, and also allowed an interval of rest, by means of the flanged slip-gear I J, holding the inking-rollers up against the distributing-cylinder L during the impression, after which they are allowed to roll down, and are then immediately drawn up to their former position. The flange or uncut portion of the gear holds the pulley K in position during its state of rest.

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

1. The plate C, used either as bed or platen of a printing-press, when said plate is supported upon a rocker or rockers and rocker-seat or rocker-seats, or their equivalents, whether said rocker-seat or rocker-seats are made fixed or adjustable, substantially as herein set forth.

2. The arms D and D'', in combination with stop *g*, or their equivalents, forming a slipping-toggle, substantially as herein set forth.

3. The pulley K, strap, cord, or chain M, and flanged slip-gear I J, combined and constructed as herein described, and for the purpose herein set forth.

MERRITT GALLY.

Witnesses:

ALLEN P. CARPENTER,
GEORGE W. CARPENTER.