

S. W. Soule.

Printing Addresses.

N<sup>o</sup> 30259.

Patented Oct. 2. 1860.

Fig. 1.

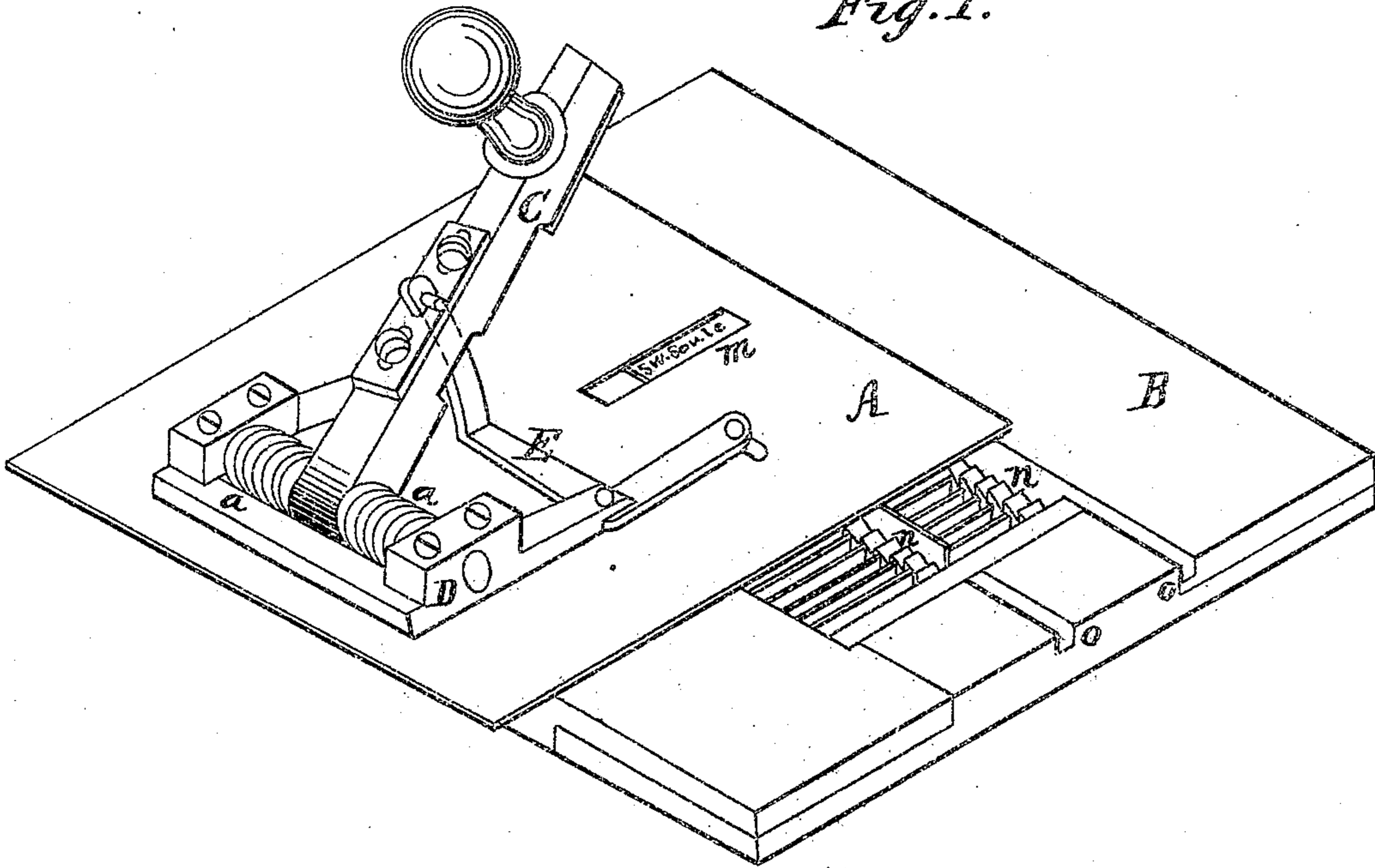


Fig. 2.

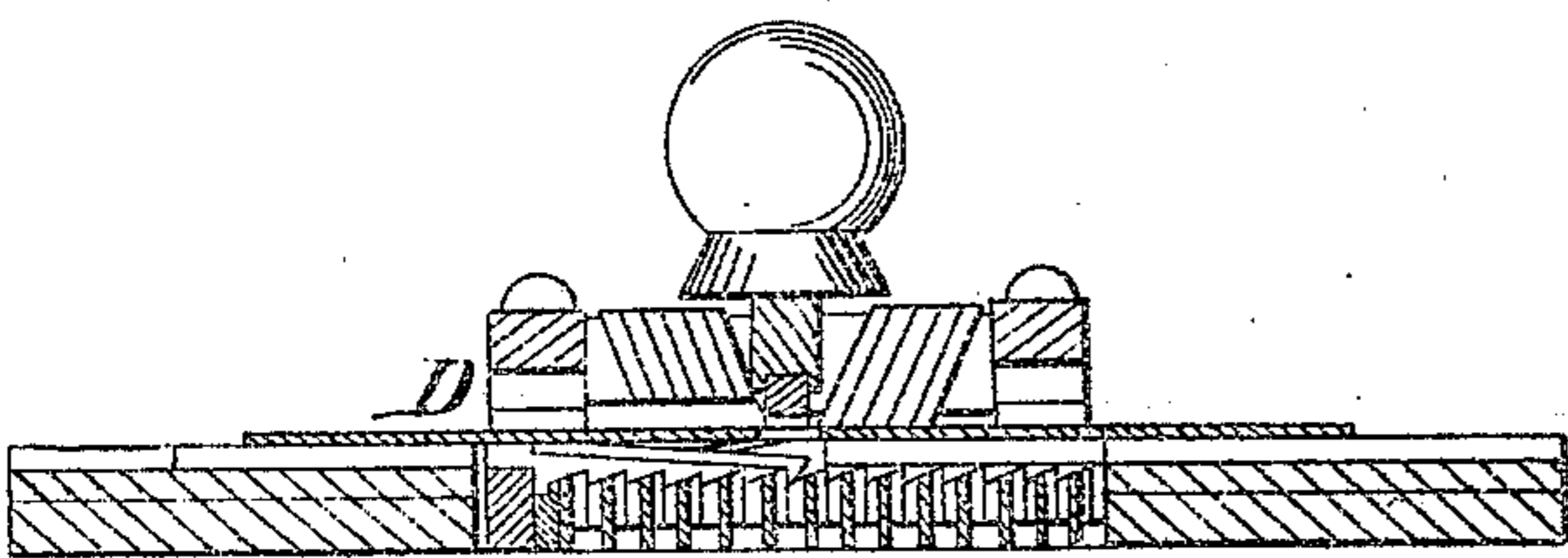
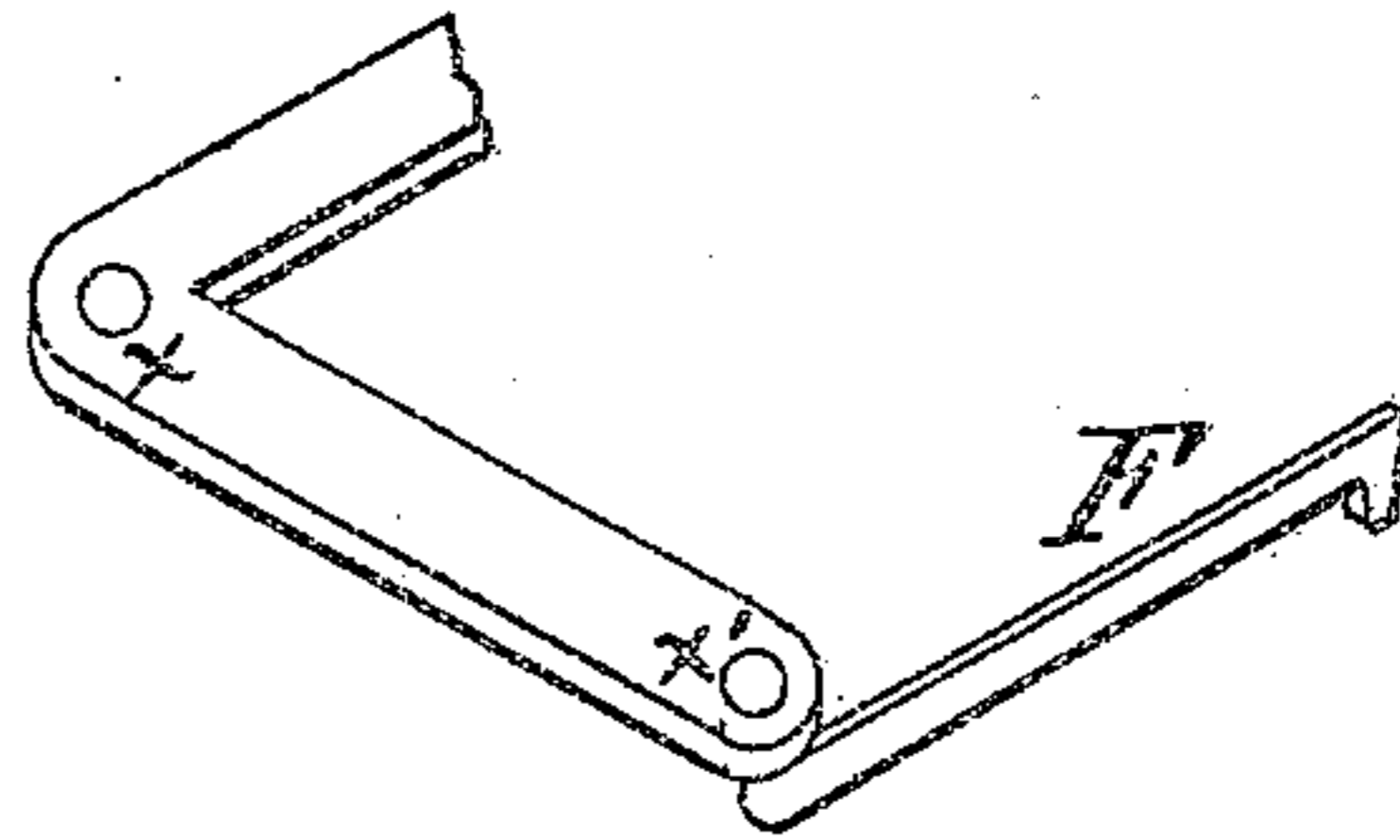


Fig. 3.



Witnesses.

C. M. Alexander

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# UNITED STATES PATENT OFFICE.

SAMUEL W. SOULE, OF CINCINNATI, OHIO.

PRINTING ADDRESSES ON NEWSPAPERS, &c.

Specification of Letters Patent No. 30,259, dated October 2, 1860.

*To all whom it may concern:*

Be it known that I, SAMUEL W. SOULE, of Cincinnati, in the State of Ohio, have invented certain new and useful Improvements in Machines for Printing Addresses upon Newspapers; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings and to the letters of reference marked thereon.

In the annexed drawings, making a part of this specification, A represents a plate made of metal, or other suitable material, to which is secured a platen C. This platen is secured to the plate by means of a shaft D, which passes through its rear end and which rests in suitable bearings upon the plate. This shaft D, is surrounded with a spring *a, a*, which serves to keep the platen in an elevated position as seen in Fig. 1.

B, represents the chase, in which the type are secured.

*o, o*, represent grooves in the chase, and *n, n*, represent rack bars which are secured by the side of each row of type. The under side of the plate A, is provided with guides which slide in the grooves *o, o*, for the purpose of keeping the plate in place and giving it proper direction.

E, represents a bent lever, one end of which passes through a mortise in the platen; said lever is pivoted and has its fulcrum at *ø*, and has a ratchet tooth pivoted to it at *ø'*. The lever E, stands upon the plate A, while the ratchet tooth F, lies under the said

plate, the two being connected by means of a pivot which passes through a slot in the plate as shown in Fig. 1.

When the platen is borne down the lever E, moves and carries the ratchet tooth forward one tooth of the rack bar, where it catches, and when the platen returns to its normal position the tooth F, draws the plate after it, or the distance of one tooth of the rack bar, over the chase. The type are placed in lines under the plate, in the chase, and an opening *m*, being cut in the plate to allow the platen to press upon the type it will be clearly seen that by moving the platen up and down the plate will be moved—made to traverse the rows of type in the chase, making an impression by pressing the paper through the opening *m*, upon the type at each movement of the platen downward. By this arrangement a very simple and effective addressing machine is formed.

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

The moving plate A, with platen attached, when used in connection with, and made to traverse, the forms in the chase, in this, or any equivalent manner, for the purpose specified.

SAMUEL W. SOULE.

Witnesses:

JAMES W. DRUY,  
W. W. WINDER.