(No Model.)

R. S. HEDDEN & L. A. McCORMICK.

Hat Ironing Machine.

No. 234,569. Patented Nov. 16, 1880.

Fig: 2.

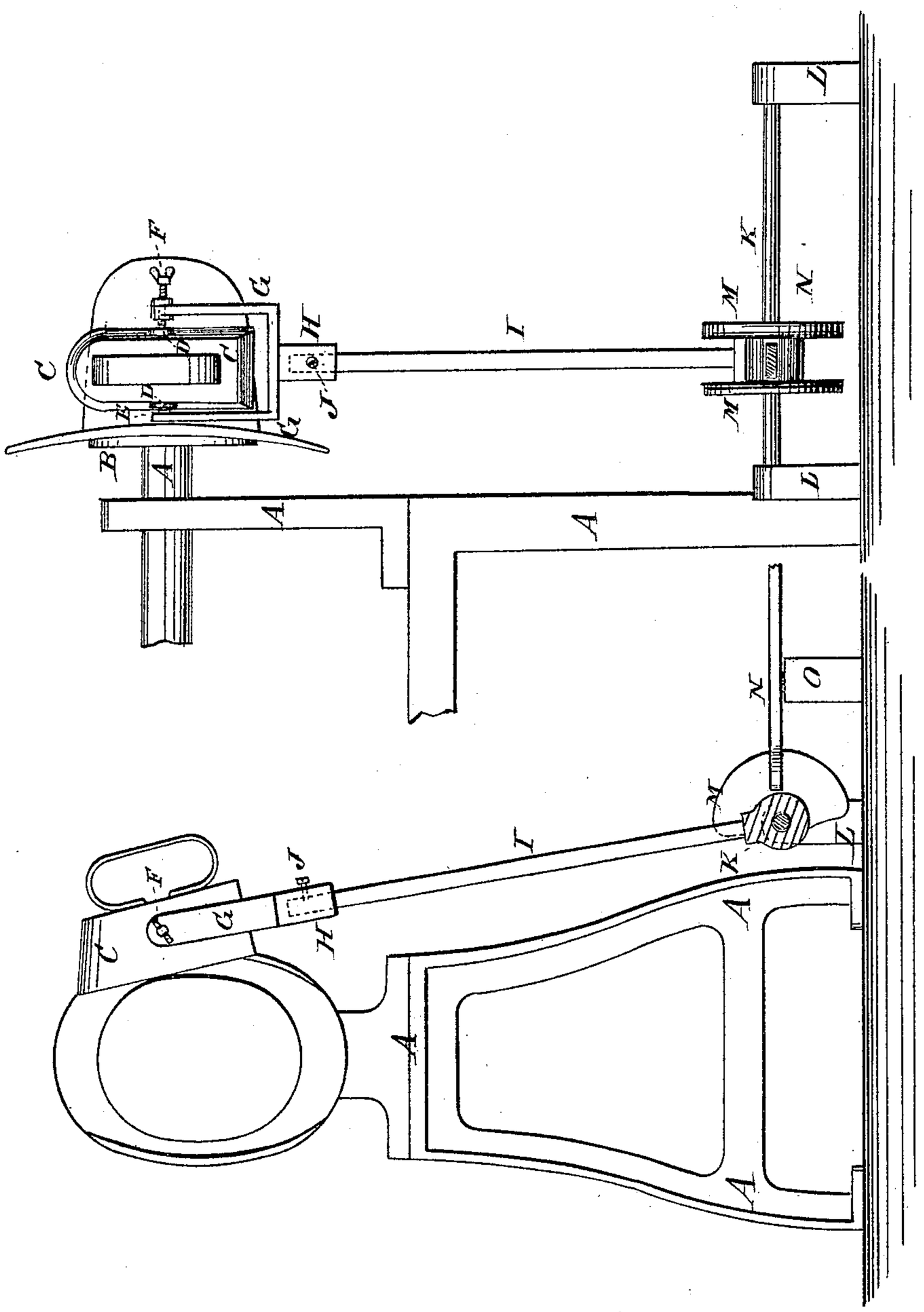
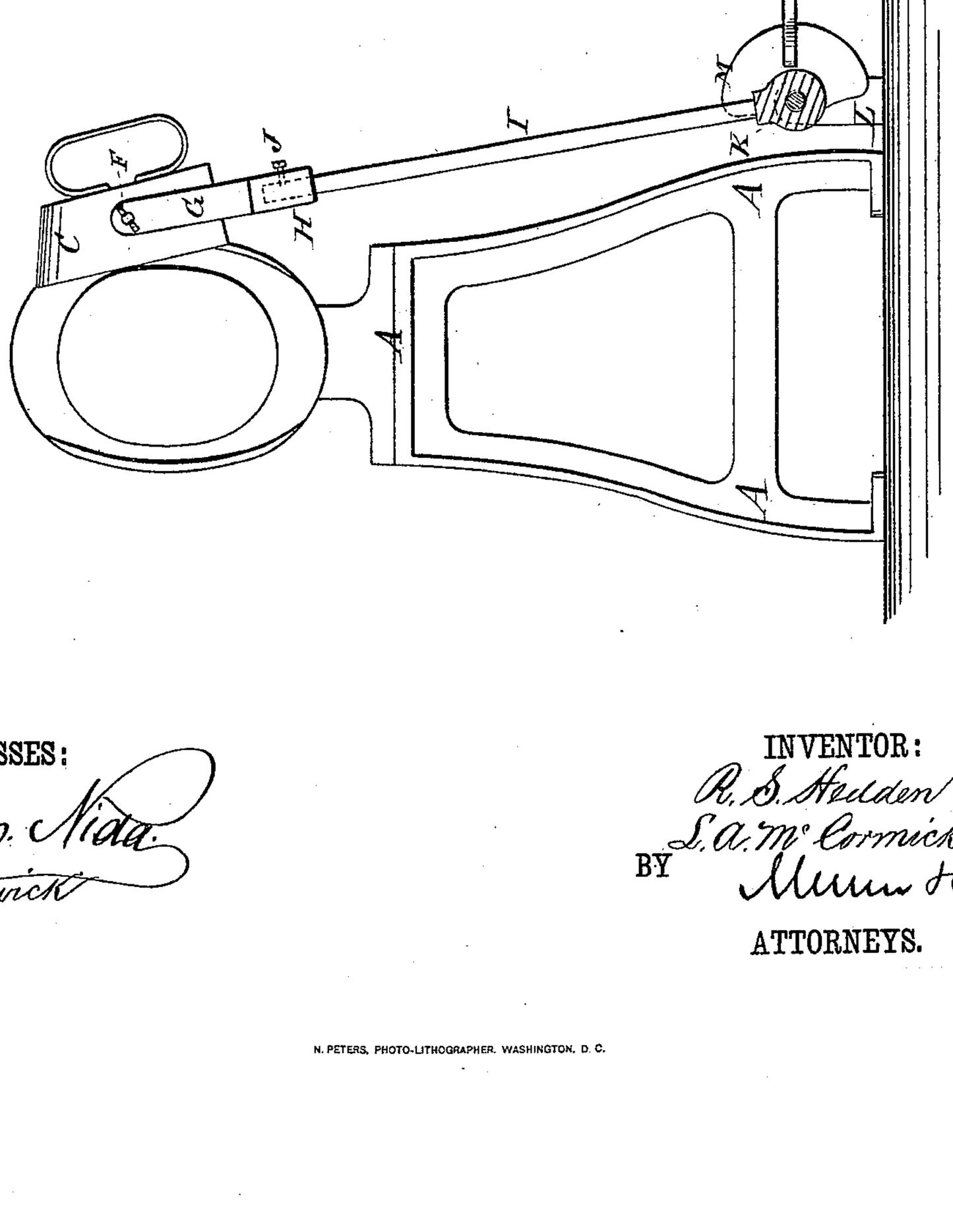


Fig: 1.



WITNESSES:

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UNITED STATES PATENT OFFICE.

RICHARD S. HEDDEN AND LORENZO A. McCORMICK, OF NEWARK, N. J.

HAT-IRONING MACHINE.

SPECIFICATION forming part of Letters Patent No. 234,569, dated November 16, 1880.

Application filed September 9, 1880. (No model.)

To all whom it may concern:

Be it known that we, RICHARD S. HEDDEN and LORENZO A. MCCORMICK, of Newark, in the county of Essex and State of New Jersey, have invented a new and useful Improvement in Hat-Ironing Machines, of which the following is a specification.

Figure 1 is a front elevation of the improvement. Fig. 2 is a side elevation.

The object of this invention is to furnish hat-ironing machines so constructed that the shell can be readily guided to all parts of the sides and crown of a hat-body.

The invention consists in constructing a hat-ironing machine of a shell having pivot-sockets upon its sides, a swiveled fork having a stationary pivot and a screw-pivot to receive the shell, a hinged sliding rod to carry the fork and shell, and having flaring flanges to receive a foot-lever, the horizontal rod upon which the hinged rod slides, and the foot-lever that moves the hinged rod upon the slide-rod, whereby the shell can be guided along the side and crown of a hat-body as the hat-body and its block are revolved upon an oval lathe, as will be hereinafter fully described.

A represents an ordinary oval lathe, to which is attached the block B, upon which the hat-body is fitted to be ironed.

C represents a hatter's shell, which is made hollow to receive a heater, and with a door at its rear end for the convenient insertion and removal of the heater. Upon the opposite sides of the middle part of the shell C are formed projections D, in which are formed sockets to receive the pivots E F. The pivot E is stationary, and is attached to or formed upon an arm of the fork G. The pivot F is a hand-screw, which passes through a screw-hole in the other arm of the fork G, so that the shell C can be readily inserted and removed. Upon the middle part of the fork G is formed a long socket, H, to receive the upper end of the rod or bar I. The cavity of the socket H is made long, and the end of the rod I is fitted into it accurately, so as to form a firm and at the same time easily-working swiveled joint. The socket H is kept from drawing off the end of the rod I by a set-screw, J, passing in through the side of the socket H and entering a ring-groove in the rod I, or by other suitable means. The lower end of the rod I has a transverse hole formed through it to receive work and slide upon the rod K, the ends of which are attached to standards L, or other supports secured to the floor. To the lower part of the hinged rod I are secured, or upon it are formed, two outwardly-inclined or flaring flanges, M, between which rests the end of a lever, N. The lever N is pivoted to a standard, O, or other support secured to the floor, so that the lever N will have a lateral movement to enable the operator to slide the rod I back and forth upon the rod K by operating the lever N with his foot, while he guides the shell C along the side of the hat-body with his hand, the swivel-joint between the fork G and rod I enabling him to turn the shell C, so as to iron the crown of the hat-body with as much facility as the sides.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

1. A hat-ironing machine constructed substantially as herein shown and described, consisting of the shell C, having pivot-sockets D upon its sides, the swiveled fork G, having stationary pivot E and screw-pivot F, the rod I, hinged and sliding upon the horizontal rod K, and having flaring flanges M to receive the foot-lever N, as set forth.

2. In a hat-ironing machine, the combination, with the shell C, having pivot-sockets D, of the swiveled fork G, having stationary pivot E and screw-pivot F, the hinged sliding rod I, having flaring flanges M, the slide-rod K, and the foot-lever N, substantially as herein shown and described, whereby the shell can be guided along the side and crown of a hat-body as the hat-body and its block are revolved upon an oval lathe, as set forth.

RICHARD S. HEDDEN.
LORENZO AYERS MCCORMICK.

Witnesses:
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