L. N. B. GRAY.

Sewing-Machine Tables and Chairs Combined.

No. 140,362. Patented July 1, 1873.

Fig. 1.

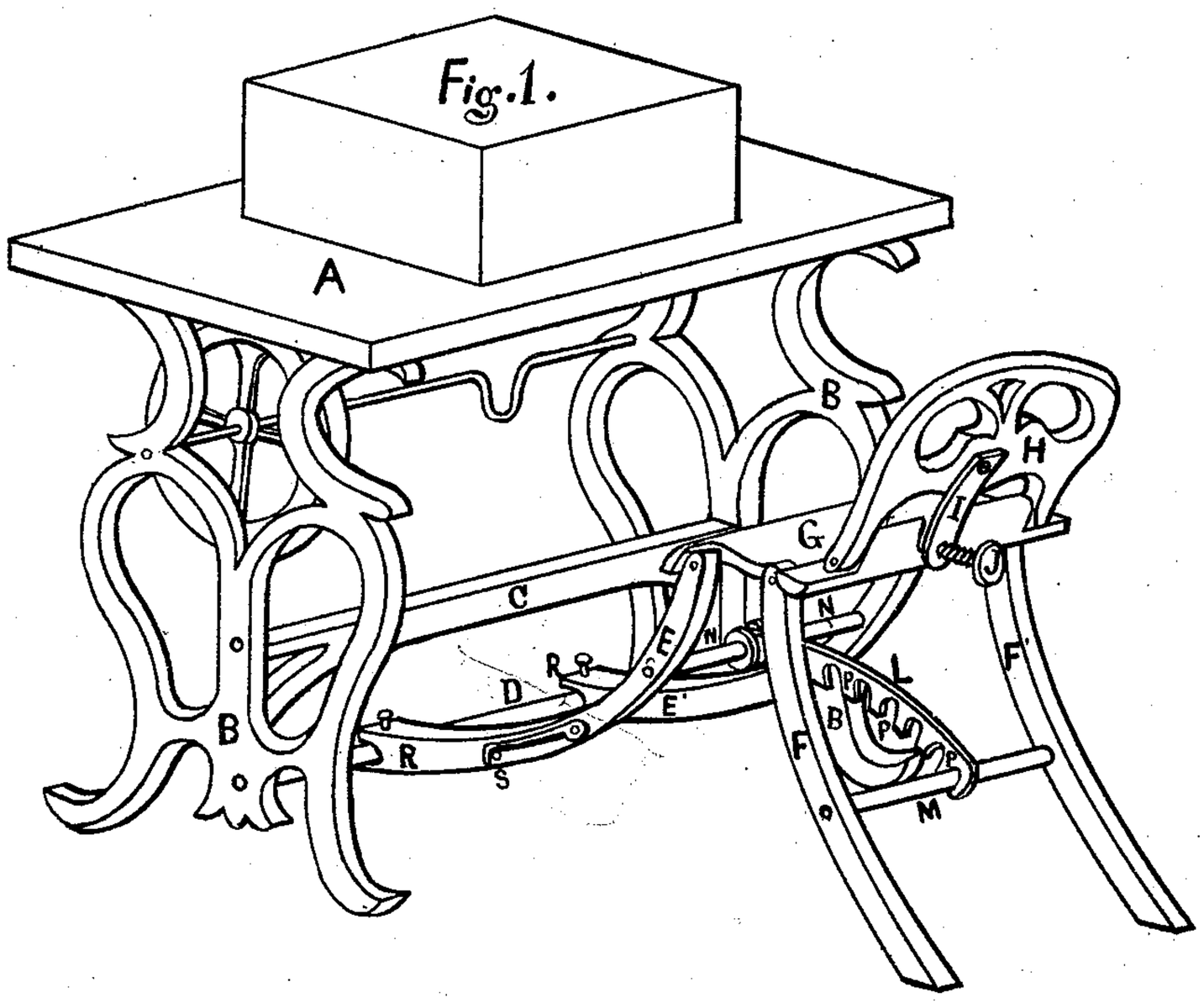
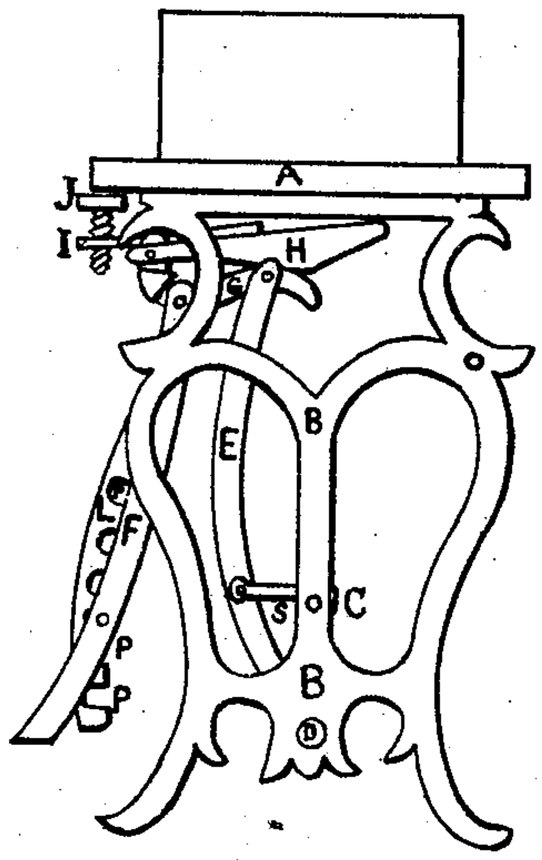


Fig. 2.



WITNESSES.

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UNITED STATES PATENT OFFICE.

LAURENCE N. B. GRAY, OF BOSTON, MASSACHUSETTS, ASSIGNOR OF ONE-HALF HIS RIGHT TO EDWD. B. PAUL, OF SAME PLACE, AND DEXTER A. REED, OF NEW YORK, N. Y.

IMPROVEMENT IN SEWING-MACHINE TABLES AND CHAIRS COMBINED.

Specification forming part of Letters Patent No. **140,362**, dated July 1, 1873; application filed May 19, 1873.

To all whom it may concern:

Be it known that I, LAURENCE N. B. GRAY, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Sewing-Machine Chairs, of which the following is a specification:

The object of my invention is to provide an adjustable and folding sewing-machine chair, which may be adjusted in height, and its back inclined more or less forward, to suit the desire and convenience of the operator, and support the body and limbs in the most healthful position; and, when not required for use, be susceptible of being folded up in a very expeditious manner beneath the table of a sewing-machine; and it consists of a seat provided with four hinged curved legs, the front ones being connected to the rock-shaft of the treadle-foot by means of a notch and pin or bolt passing through the same, the height being adjusted by means of a curved notched arm, which engages with a round or support connecting the rear legs with each other, and when folded up said arm serves to help hold the same in a closed position, the back being closed down forward, so as to permit it to be folded up in compact form so as to pass under the table, and is held there by means of a hook or catch till required for use, when it may be turned out from beneath the table and adjusted for use, its back being adjusted to the position desired by means of a set-screw passing through the end of a spring, and having a bearing upon the rear edge of the seat-frame, the spring allowing the back of the chair to yield when pressed against firmly.

Figure 1 is a perspective view of my invention as connected to a sewing-machine ready for use. Fig. 2 is an end-plan view of the same when closed up beneath the table of the machine.

A represents the table of a sewing-machine. B B are the legs, connected together by the cross-piece C, beneath which is the rock-shaft D, to which the treadle-foot is attached. E E′ are two curved legs, provided with a notch, R, which fits the shaft D loosely, and permits it to have free movement back and forth when the machine is operated. G is the seat of a chair, to which the opposite ends of the curved legs E E′ are pivoted. To the rear of the seat G are pivoted two curved legs, F F′, being connected together by a round, M. The front legs E E′ are connected together by a round, N. To this round N is attached the curved arm L, the round N passing through a hole in the end of the arm L, where it is confined from slipping sidewise by collars or other means. This curved arm L is provided with deep-cut notches P P P, which engage with the rear round M. To raise the chair-seat G so it shall stand higher, the arm L is lifted, when the rear legs F F′ are brought forward, when the arm L is dropped and another notch, further from its end, is brought to catch upon the round M, thus holding the seat in its more elevated position, from which it may be raised or lowered at pleasure. To the rear edge of seat G is hinged the folding-back H. Connected to the rear of this back is a spring, I, its lower end being provided with a set-screw, J, by which the incline of the back is regulated. This spring I allows the back H to yield when pressed against firmly.

When the chair is not used by the operator it may be folded up beneath the table A of the machine, so as to be entirely out of the way, as shown in Fig. 2. The hook S, catching over the cross-piece C, holds it in this position.

Having described my invention, what I claim is—

In combination with a sewing-machine top, A, cross-piece C, and treadle-shaft D, the folding-chair, composed of curved legs E E′ and F F′, pivoted to the seat G and connected together by rounds N and M, curved arm L provided with notches P P P, the seat G being raised or lowered and held in position by said arm L, the hinged folding-back H, spring I, and set-screw J, when constructed and arranged to operate in the manner described, as and for the purposes set forth.

LAURENCE N. B. GRAY.

Witnesses:

SYLVENUS WALKER,

JOS. H. WHITMAN.