

No. 697,427.

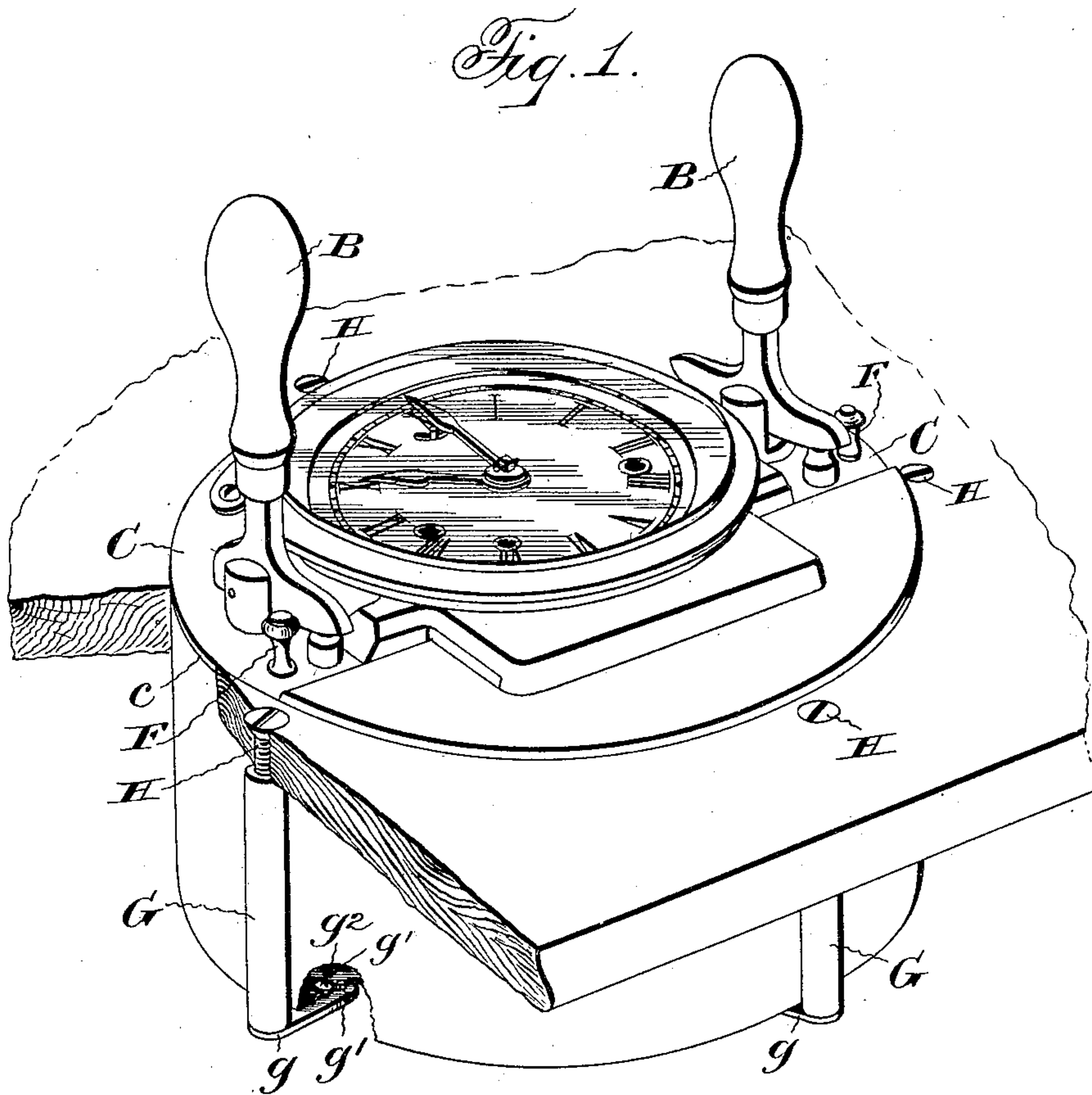
Patented Apr. 15, 1902.

H. ABBOTT.
CALCULAGRAPH.

(Application filed Mar. 4, 1902.)

(No Model.)

2 Sheets—Sheet 1.



Witnesses:
Jas. E. Hutchinson
Henry C. Hazard

Inventor.
Henry Abbott,
by Edwin J. Prindle,
his Attorney.

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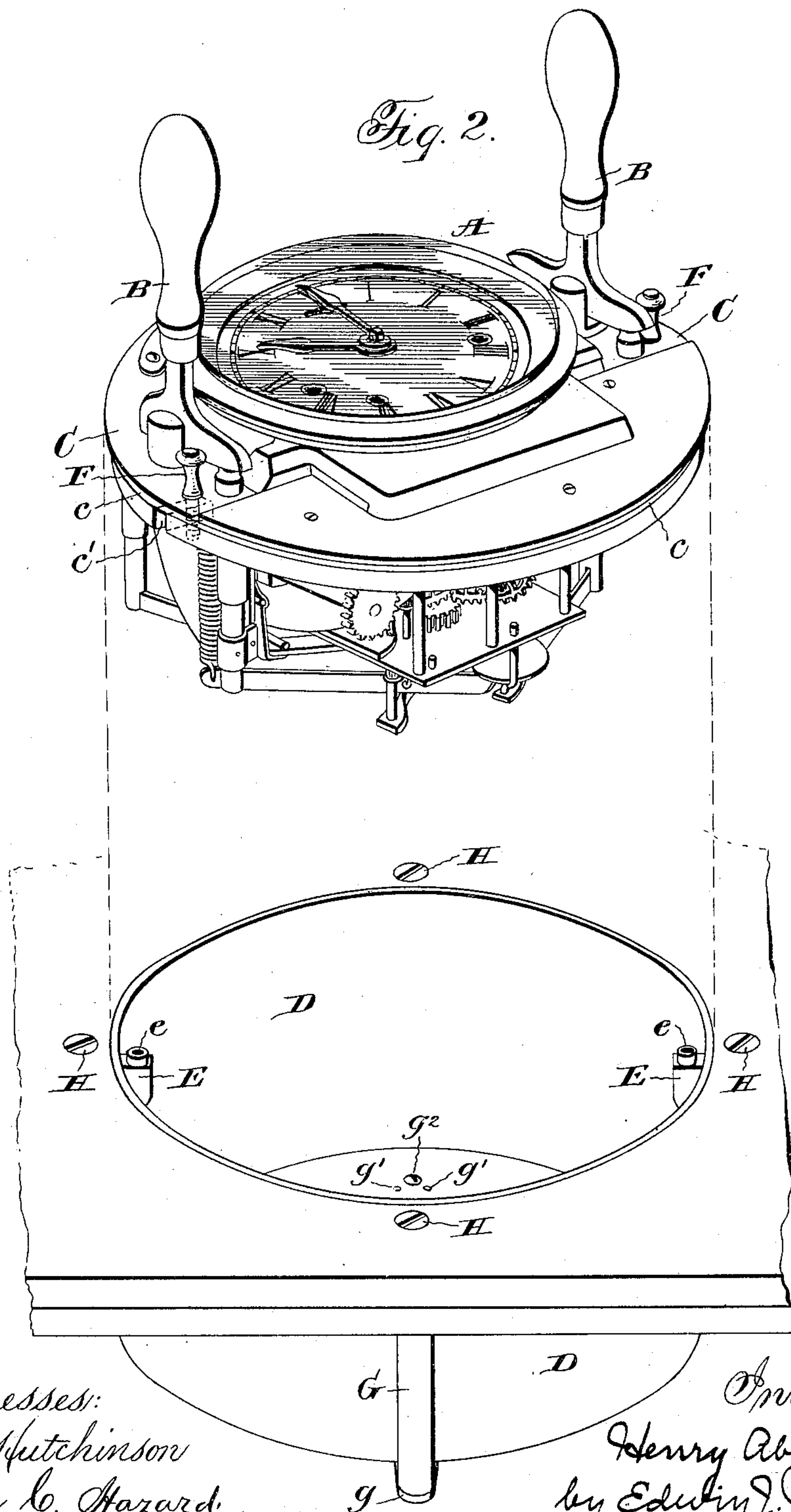
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UNITED STATES PATENT OFFICE.

HENRY ABBOTT, OF NEW YORK, N. Y., ASSIGNOR TO CALCULAGRAPH COMPANY, OF EAST ORANGE, NEW JERSEY, AND NEW YORK, N. Y.,
A CORPORATION OF NEW JERSEY.

CALCULAGRAPH.

SPECIFICATION forming part of Letters Patent No. 697,427, dated April 15, 1902.

Application filed March 4, 1902. Serial No. 96,611. (No model.)

To all whom it may concern:

Be it known that I, HENRY ABBOTT, of the city of New York, in the county of New York, and in the State of New York, have invented certain new and useful Improvements in Calculagraphs; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, in which—

10 Figure 1 is a perspective view of my machine mounted or arranged within an operating-table, and Fig. 2 a like view showing the mechanism and its casing separated.

15 The object of my invention is to provide simple and efficient means for connecting mechanisms having inclosing casings to the latter, so that the connection and separation of such a mechanism and its casing can be conveniently accomplished, and for attaching
20 the same to a table or support; and to these ends my invention consists in the devices constructed and arranged substantially as hereinafter claimed.

25 My invention has been designed with especial reference to the machine for which Letters Patent No. 583,320 were issued to me upon the 25th of May, 1897, and I therefore illustrate and will describe the invention in connection with said machine. Said machine
30 is for making printed records and comprises a time-train A, printing dies or type that are revolved by said time-train and contain the matter to be printed, two hand-levers B, by which the parts are moved to make the im-
35 pressions, a circular plate C, to which said parts are attached and by which they are supported, and a cylindrical casing D, the lower end of which is permanently closed. The plate C has a circumferentially horizontally
40 projecting flange *c*, that overlaps and rests on the upper edge of the casing.

Within the casing at diametrically opposite points on the sides thereof are two lugs E, in each of which is a vertical threaded opening
45 *e*, which is entered by a screw F, passing through an opening in the plate from above the latter and having a suitable head for turning it. For engaging each lug E the plate C has at its edge and in its under side a recess
50 or notch *c'*. The notches or recesses by en-

gaging the lugs E when the mechanism is being placed within the casing serve as guides that insure the placing of the mechanism in proper position.

The machine may be mounted for use upon 55 a pedestal or upon a table. In the former case it is fastened in position by screws that pass down through the bottom of the casing into the top of the pedestal. For mounting it upon a table the latter is provided with a hole of 60 sufficient diameter to receive the casing, so that the latter may be placed within such opening to bring the top of the plate C substantially flush with the surface of the table. For attaching the machine to the table verti- 65 cal posts or pillars G of any desired number are placed around the casing D, preferably at equidistant points, each of which is attached to the casing by having at its lower end a horizontal lug *g*, that extends beneath 70 the casing and is attached to the bottom thereof by means of dowel-pins *g'*, which project from the lug into holes in the bottom of the casing, and a screw *g''*, that passes from above through the casing-bottom into a threaded 75 opening in the lug. The dowel-pins and screw form a separable connection between each pillar and the casing, so that the casing by the removal or attachment of the pillar thereto may be used for mounting the machine upon 80 the pedestal or upon a table. Within each post or pillar is a vertical threaded opening for engagement by a screw H, passing vertically through the table thereinto. The length of the posts or pillars is preferably such that 85 their upper ends will engage the under side of the table-top when the plate C is flush with the surface of such top.

It will be seen that the devices employed for attaching the operative mechanism and 90 its casing and for securing the casing to the table permit the parts to be readily and quickly combined with or separated from each other, as the case may require, by persons possessing but little knowledge of mechanical 95 devices.

Having thus described my invention, what I claim is—

1. In combination with a plate, a mechanism supported therefrom, an inclosing casing 100

for the mechanism, threaded lugs upon the interior of such casing, screws passing through said plate downward into the lugs, a supporting-table, threaded pillars on the casing, and
 5 screws passing through such table into the threaded portions of the pillars, substantially as and for the purpose described.

2. In combination with the casing provided within opposite sides with vertical, interiorly-
 10 threaded lugs, the mechanism-supporting plate adapted to fit into and over the upper end of such casing, and provided within its lower face with recesses which are adapted to fit over the upper ends of the threaded lugs,
 15 and screws which pass downward through said table and into the threaded interiors of said lugs, substantially as described.

3. In combination with a mechanism and its inclosing casing, pillars with threaded
 20 openings in their upper ends on the outside of the casing, and having at their lower ends lugs that project beneath the casing, and screws for the threaded openings in the pil-

lars, adapted to pass through a supporting-table, substantially as described. 25

4. In combination with the casing shown, a number of pillars having within their upper portions threaded openings and at their lower ends lugs that project laterally beneath and are attached to the bottom of such casing, 30 which pillars are arranged at equidistant points around said casing and when the latter has its upper portion contained within an opening in a supporting-table at their upper ends, bear against the lower side of such table 35 in positions to each receive a screw which passes downward through the latter and operates to secure said casing firmly thereto, substantially as and for the purpose described.

In testimony that I claim the foregoing I 40 have hereunto set my hand this 25th day of February, 1902.

HENRY ABBOTT.

Witnesses:

EDWIN A. CURRIER,
 EMBURY VREELAND.