

C. S. CAPLE.
Work-Stands.

No. 138,072.

Patented April 22, 1873.

Fig. 1

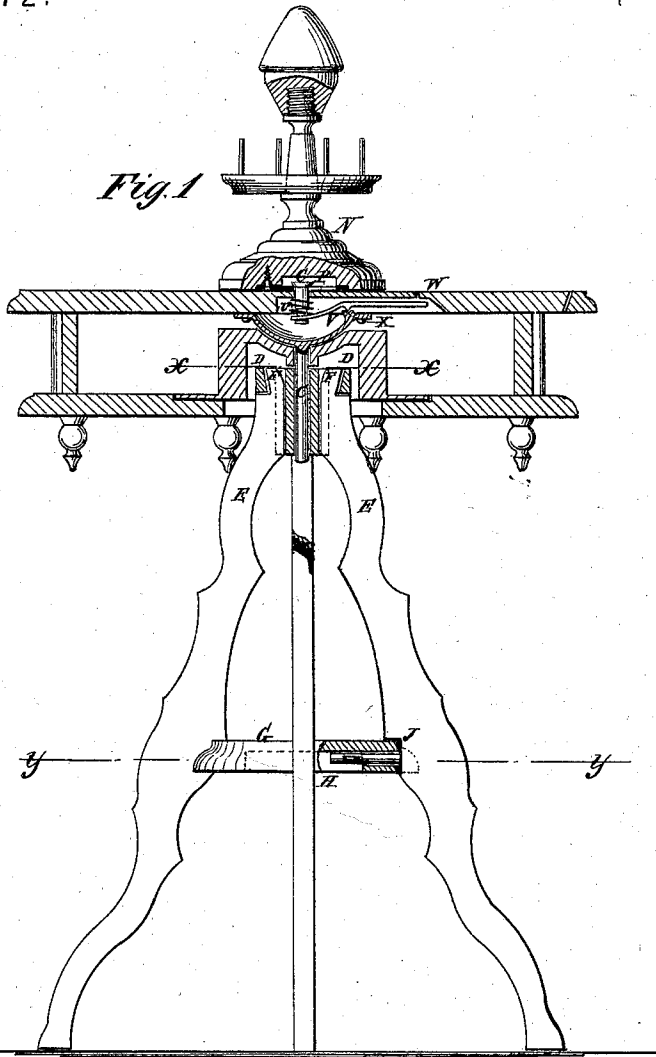


Fig. 2

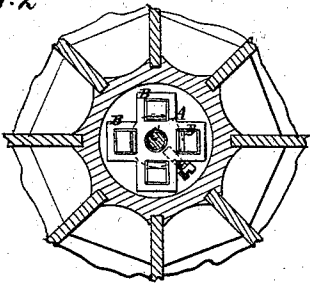


Fig. 3

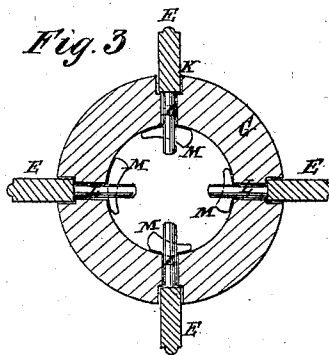
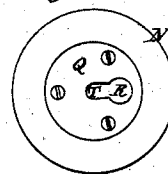


Fig. 4



Witnesses:

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Per

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UNITED STATES PATENT OFFICE.

CHAUNCEY S. CAPLE, OF FRANKFORT, NEW YORK, ASSIGNOR TO HIMSELF
AND WILLIAM GATES, OF SAME PLACE.

IMPROVEMENT IN WORK-STANDS.

Specification forming part of Letters Patent No. **138,072**, dated April 22, 1873; application filed
March 15, 1873.

To all whom it may concern:

Be it known that I, CHAUNCEY S. CAPLE, of Frankfort, in the county of Herkimer and State of New York, have invented a new and Improved Work-Stand, of which the following is a specification:

The invention consists in the improvement of workstands, as hereinafter described and pointed out in the claim.

Figure 1 is a sectional elevation of a stand according to my improvement. Fig. 2 is a horizontal section on the line *xx*, Fig. 1. Fig. 3 is a section on the line *yy*. Fig. 4 is a plan view of the bottom of the small stand, which is applied to the top of the table.

In this example I have represented my invention in connection with a work-stand, attached to which is a revolving case pivoted on the center, which is at the top of the legs, to which the legs are attached; but I do not limit myself to this particular kind of stand, for my invention is applicable to other kinds of stands as well.

A is the center piece, which is a casting of metal, with, say, four vertical holes or sockets, arranged around the vertical center in which the pivot-pin C of the table-top works. The outward walls of these sockets are beveled a little so as to widen the sockets from the bottom upward, as shown at D. In these holes I introduce the upper ends of the legs E, having tenons F suitably formed to fit into said sockets to prevent the center piece from being lifted off. The tenons are rounded on the inner corners to admit them to the sockets from below. G is a ring or disk, to which I connect the legs at the middle. It has a recess, H, in the under side, and as many radial holes extending from the periphery to it as there are legs, and the legs, being notched at J, are fitted in corresponding notches in the disk, and secured by bolts L inserted in the said holes,

and fastened by keys M driven into the ends projecting into the recess, and having holes provided for said keys. N is a spool-stand, to be fastened detachably to the top of the table-center. For so fastening it, and having it at the same time so that it can be readily detached, I have a recess, P, in the bottom of disk Q, of metal, fastened over a recess in this disk, and a hole, R, near the periphery large enough to admit the head of a pin, S, and from this hole the slot T, as wide as the shank of a pin, extends to the center. The pin is fitted into the vertical hole in the center of the table, and has a coiled spring fitted in the bearing against the table-top so as to constantly press it down, and the lever V is connected at one end to the pin at its lower end, and extends toward the periphery of the table-top as far as the opening, when the finger can be applied to push it down and raise the pin when the cover of the opening is removed. The lever has a fulcrum at X, on which it turns. The slot T is countersunk a little in the upper side of the plate, so that the pin-head, being suitably shaped and held in it by the pressure of the spring, holds the stand in place so that it cannot be detached until the pin is raised by the lever. To detach the stand the head of the pin is raised out of the countersunk recess, and the stand moved sidewise till the hole R comes to the pin, when it can be lifted off.

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

The disk Q having hole R and the slot T, the pin S, spring U, and lever V combined with a stand, N, and a table-top, as described.

CHAUNCEY S. CAPLE.

Witnesses:

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