W. DALE.

Tinners' Machine-Stand.

No. 197,108. Patented Nov. 13, 1877.

Fig. 1

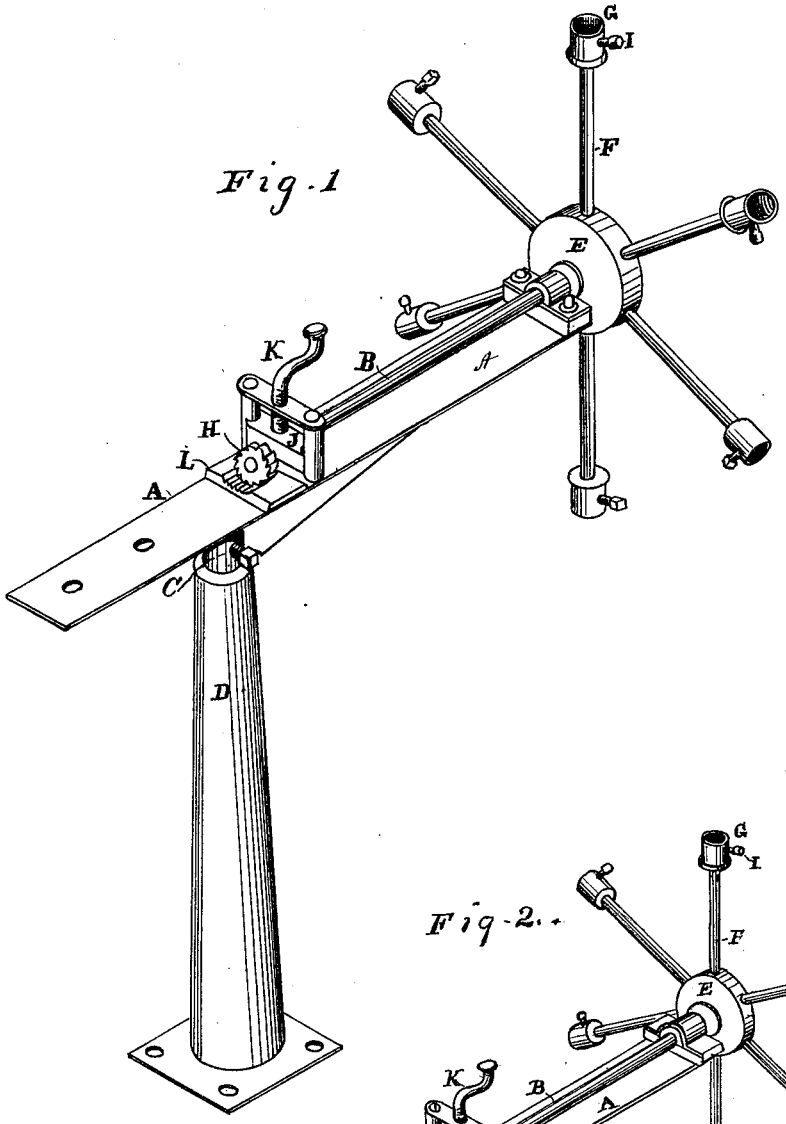
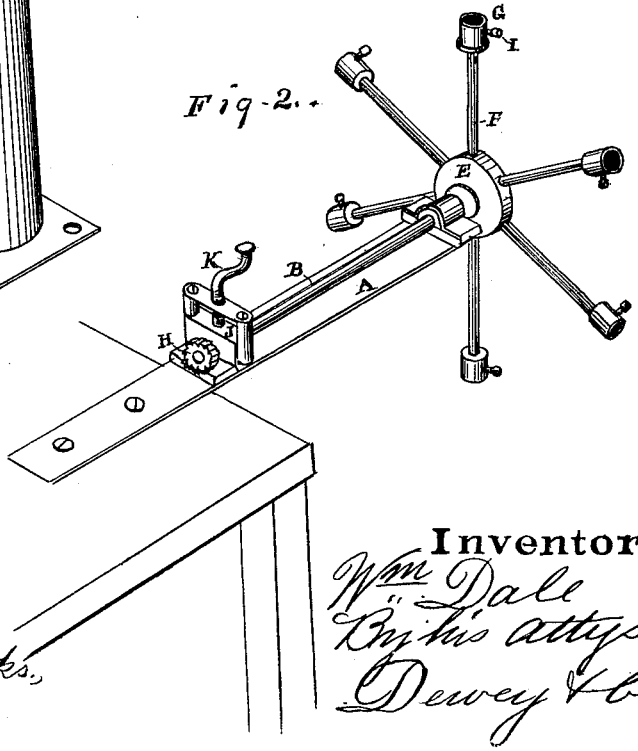


Fig. 2.



Witnesses

Geo. H. Strong

Frank A. Brooks.

Inventor

Wm. Dale

By his attys.

Dewey & Co.

UNITED STATES PATENT OFFICE.

WILLIAM DALE, OF SAN LORENZO, CALIFORNIA.

IMPROVEMENT IN TINNERS' MACHINE-STANDS.

Specification forming part of Letters Patent No. **197,108**, dated November 13, 1877; application filed August 10, 1877.

To all whom it may concern:

Be it known that I, WILLIAM DALE, of San Lorenzo, county of Alameda, and State of California, have invented an Improved Tinner's Machine-Stand; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings.

My invention relates to a novel device which I call a "tinner's machine-stand;" and it is intended to be used in combination with a class of machines which are constantly employed upon tinners' work. These machines are fitted with stems or shanks in the ordinary method of construction, and the bench on which the operator works is perforated with certain holes, into which the shanks of the machines to be used are placed. As different machines must be used for each operation, it will be seen that much time will be lost in removing and replacing them. This my invention is designed to obviate, by providing a stand which shall carry all the machines necessary, and it is so constructed that it can be rotated so as to bring any tool or machine uppermost, after which the stand is firmly held in place while it is being used.

In the accompanying drawings, Figure 1 is a perspective view of my invention. Fig. 2 shows the method of securing it in any position.

A is a plate or table which supports the shaft B. This plate may have a shank which will fit into a socket upon the bench, or it may have a socket, C, to fit over the upper end of a standard, D, and this standard may be firmly secured to the floor in any convenient place. A set-screw serves to hold the plate A in any desired position. The shaft B carries a hub, E, upon its outer end, and strong arms F project radially from this hub. These arms correspond to the number of machines or tools most commonly used in ordinary work, such as flangers, seaming and rolling tools, and each arm has a socket, G, at its outer end to receive the shank of one machine. The machine is firmly held in the socket by a set-screw, I, and it will be seen that any one of the machines may instantly be brought uppermost by simply rotating the shaft B.

In order to secure the apparatus rigidly in place while work is being done with either of the machines, it will be necessary to have some ready means of preventing the rotation of the shaft B. In the present case I have shown the rear end of the shaft provided with a toothed pinion, H, and the box J, in which this end of the shaft turns, is made to move up and down by a screw, K. Just beneath the pinion H is a curved toothed or serrated bed-piece, L, rigidly secured to the table or plate A, and when the pinion H is forced down into contact with this bed, the shaft will be prevented from turning. The teeth are so fitted that when either of the arms F stands vertically in position for its machine to be used, it may be locked in that position. Other devices might be employed to accomplish this point, but they would be essentially the same.

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

1. A tinner's machine or tool stand, consisting of the revolving plate or table A, having the rotating shaft B, with its radial arms F, and sockets G, for receiving and holding the tools or machines, said shaft being provided with a mechanism whereby either tool may be rigidly held in the proper position for use, substantially as herein described.

2. The device for securing the arms and shaft, consisting of the pinion H and corresponding serrated bed L, with the movable box J and screw K, substantially as herein described.

In witness whereof I have hereunto set my hand and seal.

WILLIAM DALE. [L. S.]

Witnesses:
F. H. MCCLELLAN,
JOSHUA AUDITT, Jr.