O. C. WHITE.

BRACKET STAND FOR DENTAL INSTRUMENTS.

No. 173,148. Patented Feb. 8, 1876.

Fig 1.

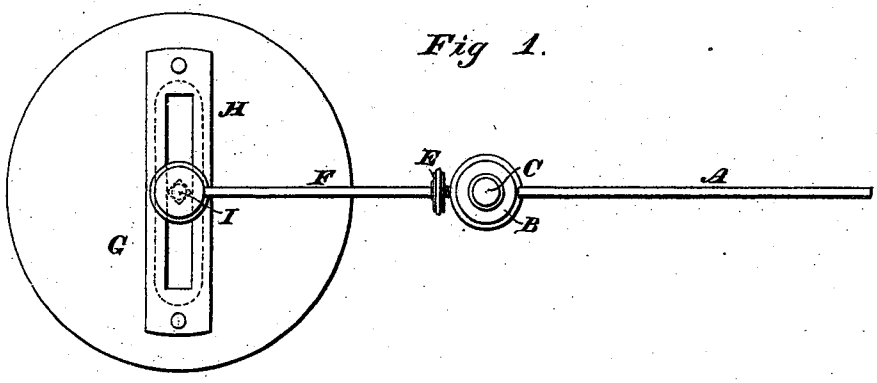
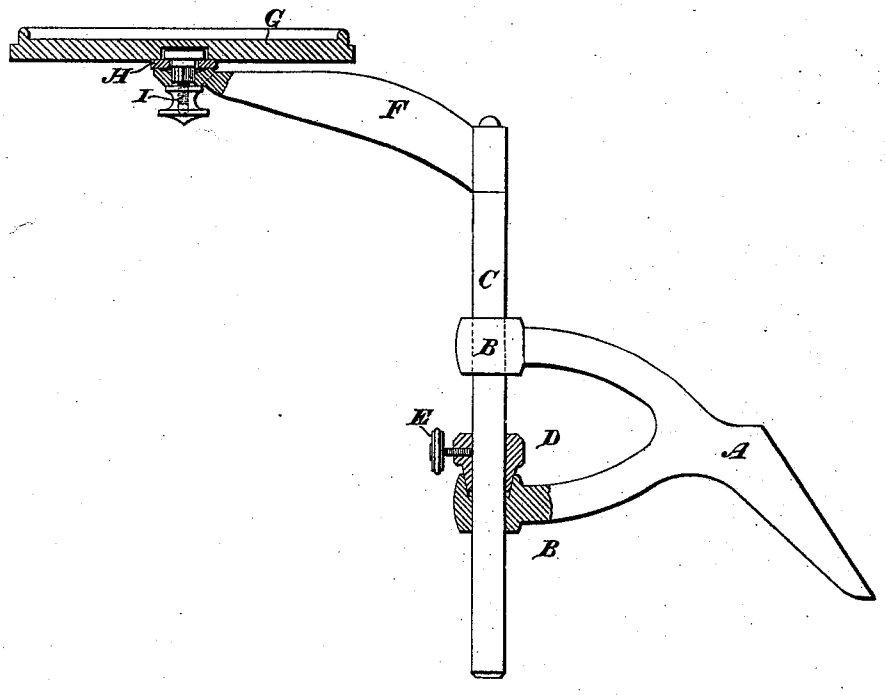


Fig 2.



WITNESSES

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OTIS C. WHITE, OF HOPKINTON, MASSACHUSETTS, ASSIGNOR TO SAMUEL S. WHITE, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN BRACKET-STANDS FOR DENTAL INSTRUMENTS.

Specification forming part of Letters Patent No. **173,148**, dated February 8, 1876; application filed January 5, 1876.

To all whom it may concern:

Be it known that I, OTIS C. WHITE, of Hopkinton, Massachusetts, have invented certain new and useful Improvements in Instrument Stands or Tables for Dental purposes, of which the following is a specification:

My invention relates to an improved instrument stand or table especially adapted for application to a dentist's chair. Its objects are to render the stand freely adjustable both vertically and laterally.

The subject-matter claimed will hereinafter specifically be designated.

In the accompanying drawings, Figure 1 represents a bottom plan of so much of my improved apparatus as is necessary to illustrate the subject-matter herein claimed; Fig. 2, a side view thereof, with portions of the clamping devices shown in section.

The supporting-arm A, secured to the chair or other suitable support, is provided with bearings B B′, in which a rod or bar, C, turns and moves freely endwise. A nut or friction-clamp, D, having its lower side tapering or conical, takes into a corresponding recess in the lower bearing, and fits loosely upon the rod on which it is clamped by a set-screw, E. The object in making the friction-clamp conical is to create friction enough to prevent the rod from turning, unless positively moved. The clamp-nut, it will be observed, is confined by the rod C between the bearings B B′, and thus prevented from becoming displaced.

It is obvious from the above description that the rod can be adjusted up or down in any desired position, and fastened by the clamp screw and nut, which prevents its descent below a given point, but still allows it to turn in its bearings when positively moved.

An arm, F, projects laterally from the rod C, and carries a clamp-screw, I, provided with a head which fits in the grooves of a longitudinally-slotted plate, H, secured to the under side of the table G.

By the construction above described the table can swing freely upon the pivot C, and can be adjusted by moving the table laterally upon the arm F, and can also be turned or swung around the clamp-screw or pivot I, thus giving a wide range of adjustment to the apparatus.

I claim as my invention—

1. The combination of the bracket-frame, its bearings, the rod movable freely endwise and turning in the bearings, and the conical friction-clamp, these members being constructed and acting in combination, substantially as hereinbefore set forth.

2. The combination of the turning rod, its arm, and the table, laterally adjustable and swinging thereon, these members being constructed and operating substantially as hereinbefore set forth.

3. The instrument-stand hereinbefore described, consisting of the combination of the rod turning freely and movable endwise in its bearings, the friction-clamp, and the laterally-adjustable table mounted on the rod, these members being constructed and operating in combination, substantially as hereinbefore set forth.

In testimony whereof I have hereunto subscribed my name.

OTIS C. WHITE.

Witnesses:
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