

WILLIAM BELL.

Improvement in Drawing Stands.

No. 120,364.

Patented Oct. 31, 1871.

FIG. 1.

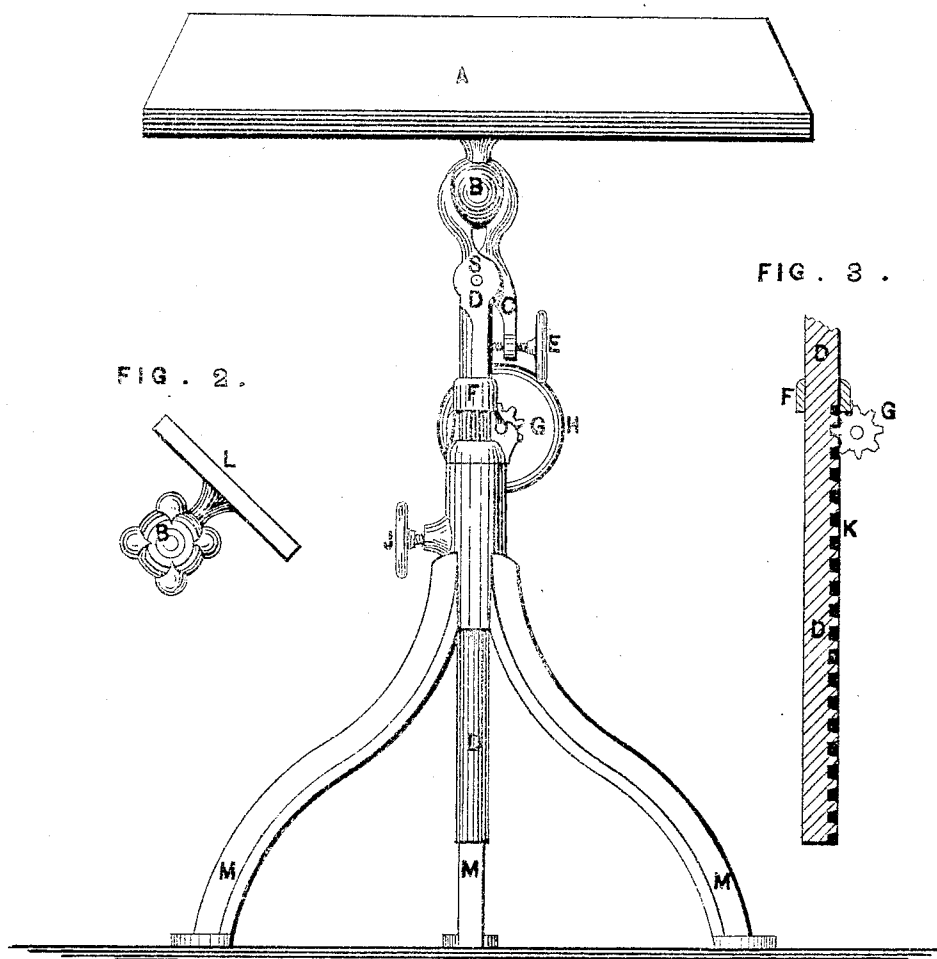


FIG. 2.

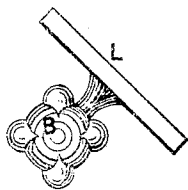
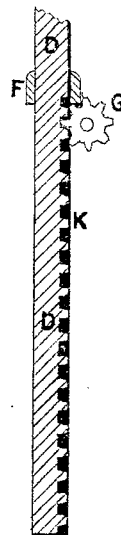
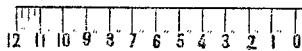


FIG. 3.



SCALE.



1 Ft.

WITNESSES:

James Scroggins
G. E. Walden

INVENTOR:

William Bell

UNITED STATES PATENT OFFICE.

WILLIAM BELL, OF BUFFALO, NEW YORK.

IMPROVEMENT IN DRAWING-STANDS.

Specification forming part of Letters Patent No. 120,364, dated October 31, 1871.

To all whom it may concern:

Be it known that I, WILLIAM BELL, of Buffalo, in the county of Erie and State of New York, have invented certain Improvements in Drawing-Stands, described in the following specification.

My invention relates to the combination of a ball having a part projecting from one side of the proper form to receive the drawing-board or top, and a clamping device for firmly holding the same at any angle required; also, in arranging therewith a revolving rest and ratchet, so constructed that the board may revolve on a vertical axis, or raised or lowered, the object being to afford an easy means of adjusting the board to any position that may be desired.

Figure 1 is a front elevation of a stand embodying my invention. Fig. 2 is a top view of the ball and clamp, showing the part to which the board or top is fastened. Fig. 3 is a section through the rest, showing the ratchet and the pinion for elevating or lowering the board.

A is the board or top. It is fastened to the piece L on the ball B. C represents the movable part of the clamping device. It is jointed at S by a pin passing through the standard D, of which the top forms a part of the ball-clamp, as shown. G is a pinion, which engages with a rack in the standard D for the purpose of adjusting

the same vertically. It is more clearly shown in Fig. 3. F is a movable collar, loosely fitted to the said standard, which drops by its own weight and engages with the pinion G for the purpose of preventing the descent of the same, as clearly shown in Fig. 3. H is a small hand-wheel for turning said pinion. E represents a tightening-screw for operating the ball-clamp, and J is a screw for preventing the standard from turning, or for holding it rigidly to the frame M when desired. The standard D, which passes down through the frame M, as plainly shown in the drawing, may be either raised or lowered by lifting up the collar F and turning the hand-wheel H.

My invention may be used to support a writing-desk, cutting-board, table, artist's easel, or an engraver's stand; and it is well adapted, and is intended, for any purpose where an adjustable table or board is required.

I claim as my invention—

1. The combination of the ball B, clamp C, and the adjustable standard or rest D, substantially as and for the purposes described.
2. The collar F, substantially as and for the purposes shown.

WILLIAM BELL.

Witnesses:

JAMES SANGSTER,
G. R. WALDON.

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