

# J. W. Harper, Camera Stand,

No. 51,311.

Patented Dec. 5, 1865.

Fig. 1.

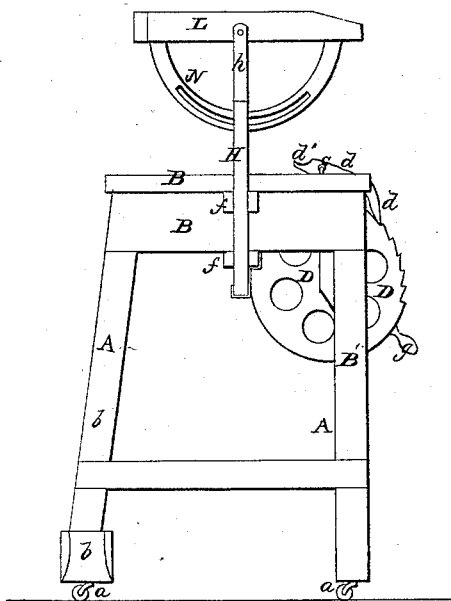


Fig. 2.

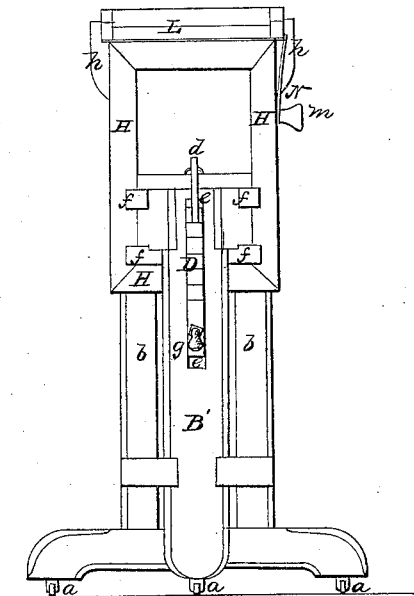


Fig. 3.

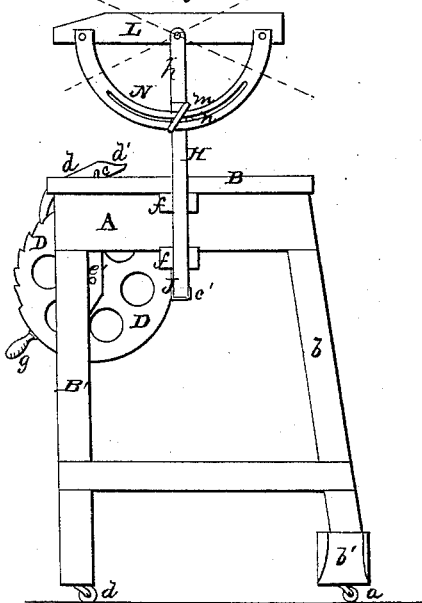
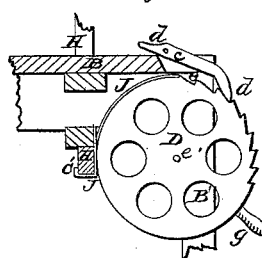


Fig. 4.



Witnesses  
W. H. Burnings  
A. W. McCall and -

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J. W. Harper

# UNITED STATES PATENT OFFICE.

J. W. HARPER, OF CLEVELAND, OHIO.

## IMPROVEMENT IN CAMERA-STANDS.

Specification forming part of Letters Patent No. 51,311, dated December 5, 1865.

*To all whom it may concern:*

Be it known that I, J. W. HARPER, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Camera-Stands; and I do hereby declare that the following is a full and complete description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a side view of the stand. Fig. 2 is an end view. Fig. 3 is a view of the side opposite from Fig. 1. Fig. 4 is a sectional view.

Like letters of reference refer to like parts in the different views.

My improvement relates to a camera-stand for the purpose of adjusting the stand horizontally and vertically, as hereinafter described.

A represents the frame of the stand, that consists of a table, B, to the front of which is secured a standard, B', and from the rear end extend down legs *b b*, fastened at the lower end in a cross-piece, *b'*. Underneath the cross-piece *b* and standard B' are casters *a*, as represented, for moving the stand around.

In the standard B' and front part of the table there is a slot or opening, *e*, in which there is a ratchet-wheel, D, hung at *e'* to the frame or standard, in the teeth of which a pawl, *d*, works, that is pivoted at *c* to the table.

G is a handle secured in the edge or rim of the ratchet-wheel, by which the wheel is turned so as to raise or lower the stand. *ff* are guides on the sides of the table or frame, in which a moving frame, H, slides. This frame is of a rectangular form, as shown in Fig. 2, and fits into the guides *f* on the sides, whereby it is retained in a vertical position as it is moved up and down.

To the lower end of the frame, at *c'*, is attached a strap, J, that extends up onto the ratchet-wheel, as seen in Fig. 4, and is attached at the end to it. From the sides of the moving

frame, at the top, extend up lugs *b*, to which is hung a platform, L, so that it can be inclined either way, as indicated by the dotted lines in Fig. 3, and it can be secured at any inclination by means of a slotted segment, N, attached at the ends to one side of the platform, through the slot N of which a thumb-screw, *m*, extends into the frame, which can be screwed or tightened on the plate N, so as to hold the platform in any position.

The stand or platform L is raised or moved upward by simply turning the wheel D or moving it down by the handle *g*, the pawl sliding on the teeth, and when the pressure is released from the wheel the pawl catches into the teeth and holds it in that position.

To lower the stand, simply press on the upper end of the pawl at *d'*, when the catch will be released from the teeth on the wheel, and the weight of the stand will cause it to slide down, and, allowing the pawl to catch into the teeth, will retain it in any position.

This stand is very simple in its construction, and can be adjusted with the greatest ease and facility.

There is a rim or ledge around the top of the platform by which the camera is held in place when adjusted for taking the picture. And by means of the sliding frame it can be moved up or down and inclined in any position that may be desired for taking the picture.

What I claim as my improvement, and desire to secure by Letters Patent, is—

The frame H, adjustable platform L, and segment N, in combination with the ratchet-wheel D and strap J when operating jointly, as and for the purpose set forth.

J. W. HARPER.

Witnesses:

W. H. BURRIDGE,  
A. W. McCLELLAND.