

A. SEMMENDINGER.

Camera-Stands.

No. 149,255.

Patented March 31, 1874.

Fig: 1.

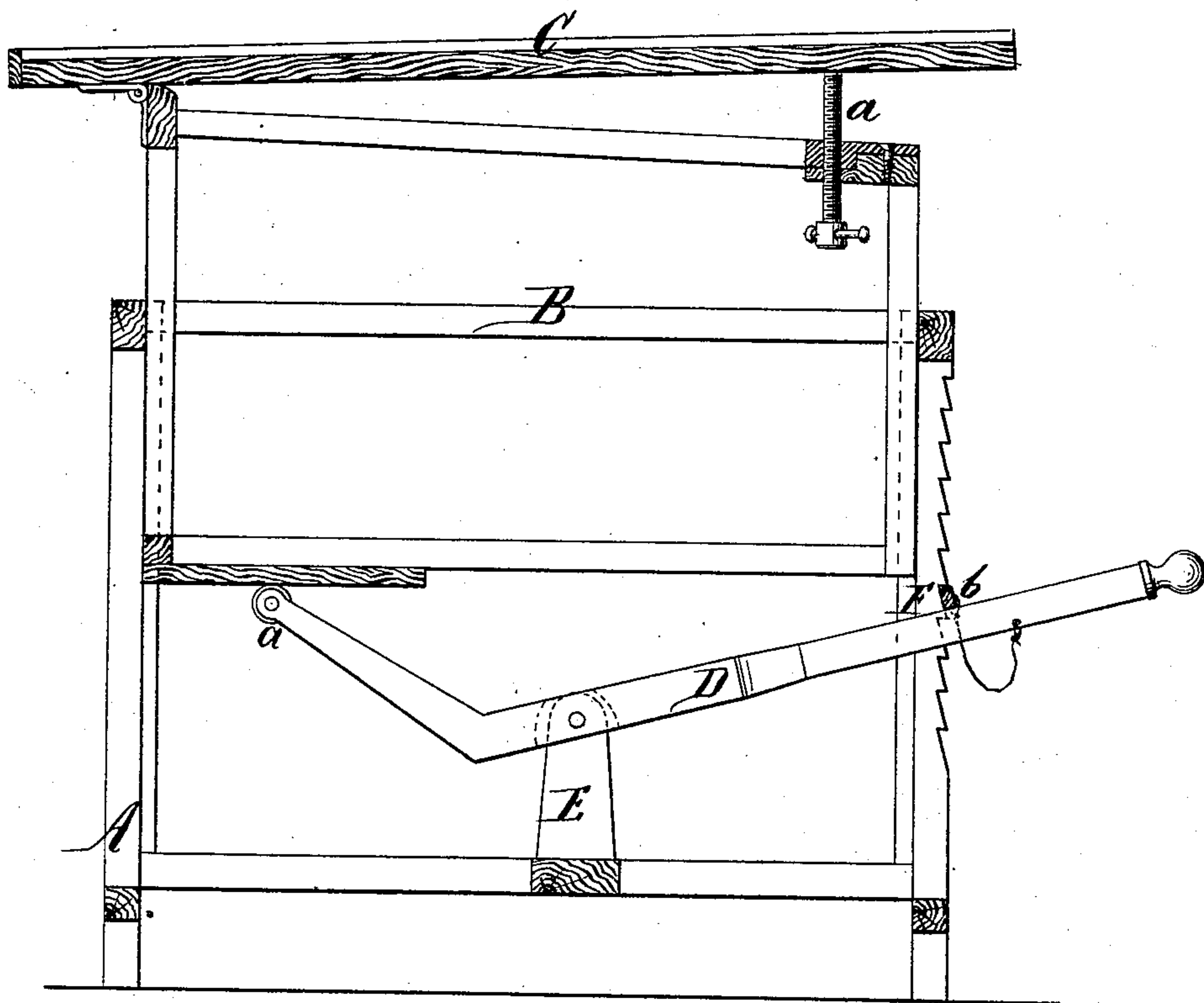
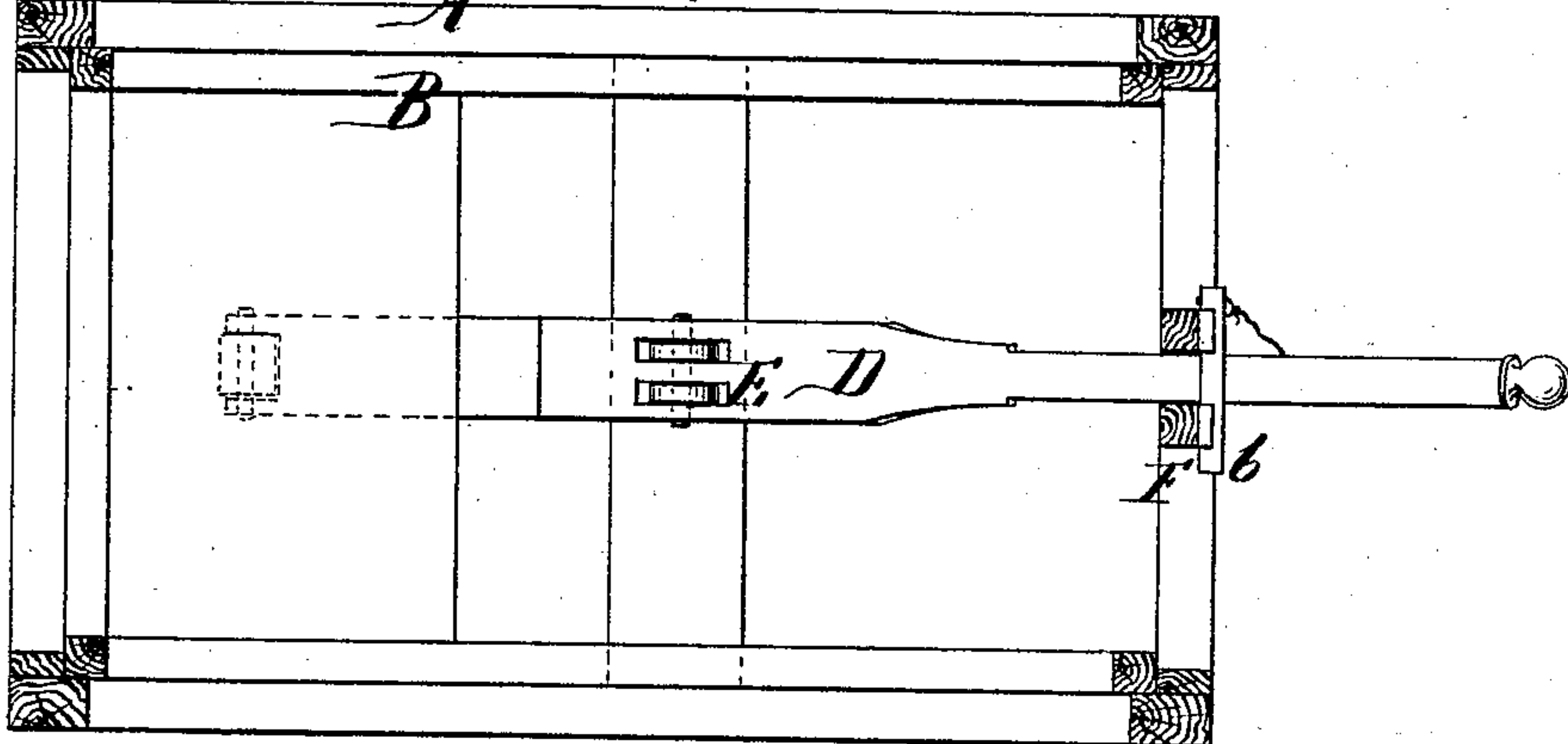


Fig: 2



Witnesses:
Ernst Bilheler
Henry Turner

Inventor:
August Semmendinger
by *Van Santvoord Hauff*
his attorney

UNITED STATES PATENT OFFICE.

AUGUST SEMMENDINGER, OF FORT LEE, NEW JERSEY.

IMPROVEMENT IN CAMERA-STANDS.

Specification forming part of Letters Patent No. **149,255**, dated March 31, 1874; application filed January 28, 1874.

To all whom it may concern:

Be it known that I, AUGUST SEMMENDINGER, of Fort Lee, in the county of Bergen and State of New Jersey, have invented a new and Improved Camera-Stand; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification, in which drawing—

Figure 1 shows a vertical central section of this invention. Fig. 2 is a sectional plan or top view of the same.

Similar letters indicate corresponding parts.

This invention consists in a bent lever carrying a detent, and pivoted in a stationary frame, provided with vertical guides for a frame which supports the camera, in such a manner that by said lever the frame can be adjusted in any position with facility and dispatch.

In the drawing, the letter A designates a stationary frame, which contains an inner or sliding frame, B, which moves up and down in vertical guides, and is provided with a hinged top plate, C, forming the stand or support of the camera, which support is set in the required position by an adjusting-screw, *a*, working in the top part of the frame. The movable frame B is supported laterally in the outer frame, and vertically by the foot of a bent lever, D, which is pivoted and has its fulcrum in a standard, E, rising from a cross-bar of the stationary frame. The handle of this lever D extends outside of the frame A, so that it is within convenient reach of an attendant, and by depressing such handle the opposite end or foot of the lever, being raised, actuates the inner or camera-supporting frame B, causing this to rise, and by these means carry upward the camera. When the frame has been adjusted in the required position by means of the lever, it is retained through a

detent or stop, *b*, composed in this case of a wedge, which is placed in front of the lever, and in the teeth of a vertical rack, F, formed in the front of the stationary frame. In order to lower the camera, it is only necessary to release the lever D, when, by its inherent gravity, the inner frame B will fall, and, displacing the lever, carry downward the camera. The foot of the lever D carries a roller, *a*, to reduce the friction thereof upon the bottom of the rising and falling frame.

Various devices may be employed for retaining the lever D—as, for instance, a ratchet and pawl, or a simple pin and holes; and I do not wish to confine myself to the precise means here shown for effecting this purpose.

By this arrangement, a camera-stand is obtained which allows of adjusting the camera in a vertical plane, and thereby the operation of taking a good picture is materially facilitated.

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

1. The bent lever D, pivoted upon a standard, E, directly below the center of the sliding frame B, and provided with a friction-roller, which rotates on said frame as it is raised or lowered in the frame A by the lever, all in the described construction and combination as herein set forth.

2. The combination of the bent pivoted lever D, central standard E, sliding frame B, stationary frame A, and stop *b*, all constructed and arranged as herein shown, the lever D being disconnected from the frame B, as set forth.

This specification signed by me this 19th day of January, 1874.

AUG. SEMMENDINGER.

Witnesses:

W. HAUFF,

CHAS. WAHLERS.