

(No Model.)

O. H. HANENSTEIN.
TRIPOD.

No. 479,000.

Patented July 19, 1892.

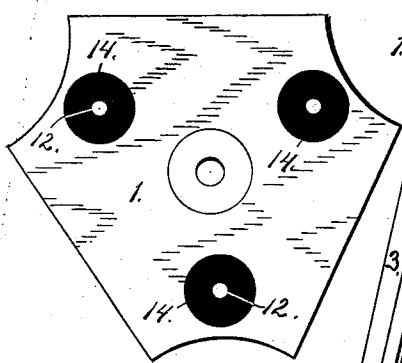


Fig. 3.

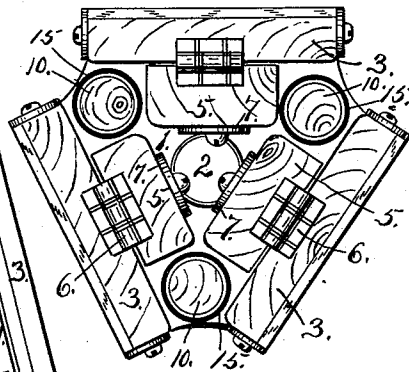


Fig. 2.

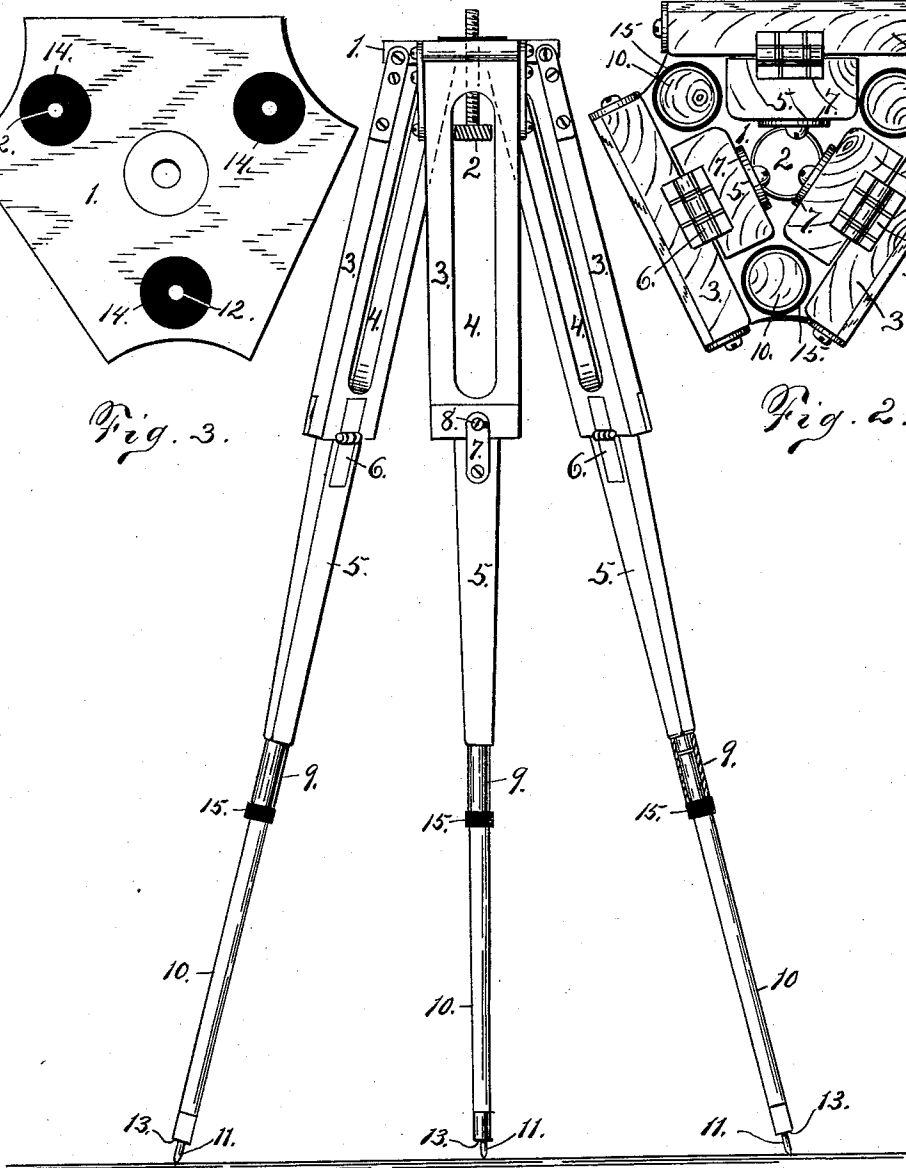


Fig. 1.

Witnesses:
J. P. Kirsten.
W. C. Miner

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UNITED STATES PATENT OFFICE.

OSCAR H. HANENSTEIN, OF BUFFALO, NEW YORK.

TRIPOD.

SPECIFICATION forming part of Letters Patent No. 479,000, dated July 19, 1892.

Application filed April 28, 1892. Serial No. 430,972. (No model.)

To all whom it may concern:

Be it known that I, OSCAR H. HANENSTEIN, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Tripods; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to figures of reference marked thereon, which form a part of this specification.

My invention relates to that class of sectional tripods specially designed for use with portable cameras; and the object is to provide such an improved construction and arrangement of parts as will enable the tripod when not in use to be broken or taken apart and the sections packed in a very small compass for transportation.

The manner in which I have carried out my invention will be particularly hereinafter shown and described in the drawings and specification and distinctly pointed out in the claims.

In the drawings, Figure 1 is an elevation of the tripod in position. Fig. 2 is a full-size end view of the same taken apart and packed ready for transportation, and Fig. 3 is a detached detail view.

Referring to the drawings, 1 is the platform of the tripod, to which the camera (not shown) can be removably secured by the bolt 2. To this platform 1, on three of its side edges, are hinged the upper sections 3 of the tripod, having the central openings 4 for reduction of weight. The intermediate sections 5—three in number—are hinged at their upper ends to the lower ends of the sections 3 in such a manner as to form a rule-joint when the tripod is in open position. Upon the outer face of each section 5, at its upper end, is hinged the catch-plate 7, which engages removably with a screw or spur 8 upon the outer face of the section 3, at its lower end, and serves to hold the sections 5 and 3 in line when the tripod is in use.

The lower ends of the sections 5 are each

provided with the metallic sockets 9, adapted for the removable reception of the upper ends of the lower sections 10 of the tripod-legs. Sharp spurs 11 are secured to the lower ends of the sections 10 for engagement with the floor or ground. To adjust the tripod for use, the sections 5 are thrown out and secured in line with the sections 3 by the catch-plates 7 engaging with the screws 8. The lower sections 10 are secured in the sockets 9 of the sections 5, all as clearly shown in Fig. 1, when the tripod is ready for the reception of the camera. When the tripod is to be packed for transportation, the sections 10 are removed from the sockets 9 and the sections 5 are turned in upon the inner faces of the sections 3. The sections 5 are considerably narrower than the sections 3, and being centrally hinged upon the sections 3 sufficient space is left when the folded sections 3 and 5 are closed in upon each other to allow of the insertion of the round lower sections 10, as clearly shown in Fig. 2. The spurs 11 enter and rest within the apertures 12 in the platform 1, and the shoulders 13 rest against the pads 14, of felt or other soft material. Bands of felt 15 around the upper ends of the sections 10 prevent injurious contact of the parts when packed together.

It will be seen that my improved tripod possesses sufficient rigidity of parts when in use and can be taken apart, folded together, and packed in a very small compass. The packed parts can be tied or strapped together or inclosed in a cloth bag.

I claim—

1. A tripod for cameras, &c., consisting of the upper sections 3, hinged to the platform 1, the smaller intermediate sections 5, hinged to the lower ends of the sections 3, so as to form a rule-joint, and adapted to be secured in line by the hinged catch-plates 7 and screws 8, and the lower spurred sections 10, adapted for insertion in the sockets 9 of the sections 5, substantially as shown and described.

2. A tripod for cameras, &c., adapted to be packed in small compass, consisting of the platform 1, having the apertures 12 and pads

14, the upper sections 3 and intermediate
sections 5, hinged together, so as to form a
rule-joint, and provided with catches 7 8, and
the removable lower sections 10, having the
5 bands 15, the whole arranged to be taken
apart, folded together, and packed, substan-
tially as shown and described.

In testimony whereof I have signed my
name to this specification in the presence of
two subscribing witnesses.

OSCAR H. HANENSTEIN.

Witnesses:

W. T. MILLER,
F. P. KERSTEN.

Affidavit having been filed showing that the name of the patentee in Letters Patent No. 479,000, granted July 19, 1892, for an improvement in "Tripods," should have been written and printed *Oscar H. Hauenstein*, instead of "Oscar H. Hanenstein," it is hereby certified that the proper correction has been made in the files and records pertaining to the case in the Patent Office, and should be read in the Letters Patent that the same may conform thereto.

Signed, countersigned, and sealed this 25th day of October, A. D. 1892.

[SEAL.]

CYRUS BUSSEY,
Assistant Secretary of the Interior.

Countersigned:

N. L. FROTHINGHAM,
Acting Commissioner of Patents.