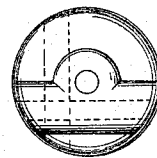
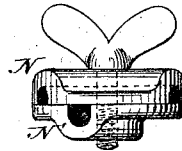


No. 165,037.

Patented June 29, 1875.



Witnesses:  
Jas. W. Graham  
M. Gardner

Inventor:  
Francis M. Spencer  
per Valens C. Spencer Atty

# UNITED STATES PATENT OFFICE.

FRANCIS M. SPENCER, OF MANSFIELD, PENNSYLVANIA.

## IMPROVEMENT IN PHOTOGRAPHIC HEAD-RESTS.

Specification forming part of Letters Patent No. **165,037**, dated June 29, 1875; application filed December 22, 1874.

*To all whom it may concern:*

Be it known that I, FRANCIS M. SPENCER, of the borough of Mansfield, county of Tioga, State of Pennsylvania, have invented a Photographic Head-Rest and Back-Support, of which the following is a specification:

The object of my invention is to form more effectually a firm support to the person posed, and that will be easily and quickly adjustable to any position given by the operator or assumed by the person posed, whether tall or short, and the making of one instrument suitable to all the purposes specified without the removal of or substitution for any of its parts, and to be constructed of metal and used for photographic and similar purposes; and for this purpose there are arising from the base A two upright parts, B and C, as shown in the perspective view, Figure 1 of the accompanying drawing. The upright part B is of suitable form to give strength combined with lightness, as shown in the drawing. At its upper end there is an ear-piece, D, projecting forward to receive an eye-head bolt, E, through which a rod, F, passes. The upright C is of the same height as the length of the rod F, the bottom of which forms a bolt to fasten the post or upright B to the base A, so that the uprights B and C shall stand perpendicular, or parallel together. The rod F is fastened or screwed into the under side of the upper end of the sliding brace G, so as to become substantially a part of the sliding brace. The lower end of the sliding brace has an eye or hole, and slides on the upright C, around which is a bridle or clevis-shaped piece, H, provided with a thumb-screw, I, to fasten the lower end of the sliding brace to the upright C, which, together with the eye-head bolt E, securely fastens the sliding brace at any height desired. At the upper end of the sliding brace there is a device, K, for holding and fastening another rod, L. By means of the form of that part of the brace, as shown in

the drawing, and another eye-head bolt and thumb-nut, M, the rod L can pass through the eye of the bolt, and be fastened at any desired point perpendicular with or at right angles to the other upright posts, the bolt forming the axis of a lateral movement, for the purpose of making the adjustment more universal and with great facility when operated in combination with the sliding brace. On the rod L is fitted the device for holding the head and back supports, which consists of two disks, N and N', one of which is grooved, so as to receive near its center the rod L—the other disk the back-support O in the same manner. The two disks are held together by a thumb-screw, P, passing through their center, the grooves in the disks being a little shallower than the diameter of the rods over which they pass, so that when the thumb-screw is tightened it fastens all posts at one movement, and, when loosened, allows the rods of the back and head supports to be adjusted in any desired position with respect to the upright desired.

The disks for the head-support are made the same as those for the back-support, with the addition of a pin, screw, or projection near the upper end of the groove for the rod L, which serves to keep the disks for the head-support from sliding down the rod L while being adjusted.

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

1. A head-rest consisting of the uprights B, C, attached to the base A, the rods F, L, and brace G, combined and arranged substantially as described.

2. In combination with the head-rest, constructed substantially as described, the clamping devices K, H, D, N, and N', as and for the purposes set forth.

FRANCIS M. SPENCER.

Witnesses:

J. W. ADAMS,  
WM. HOLLANDS.