

No. 644,758.

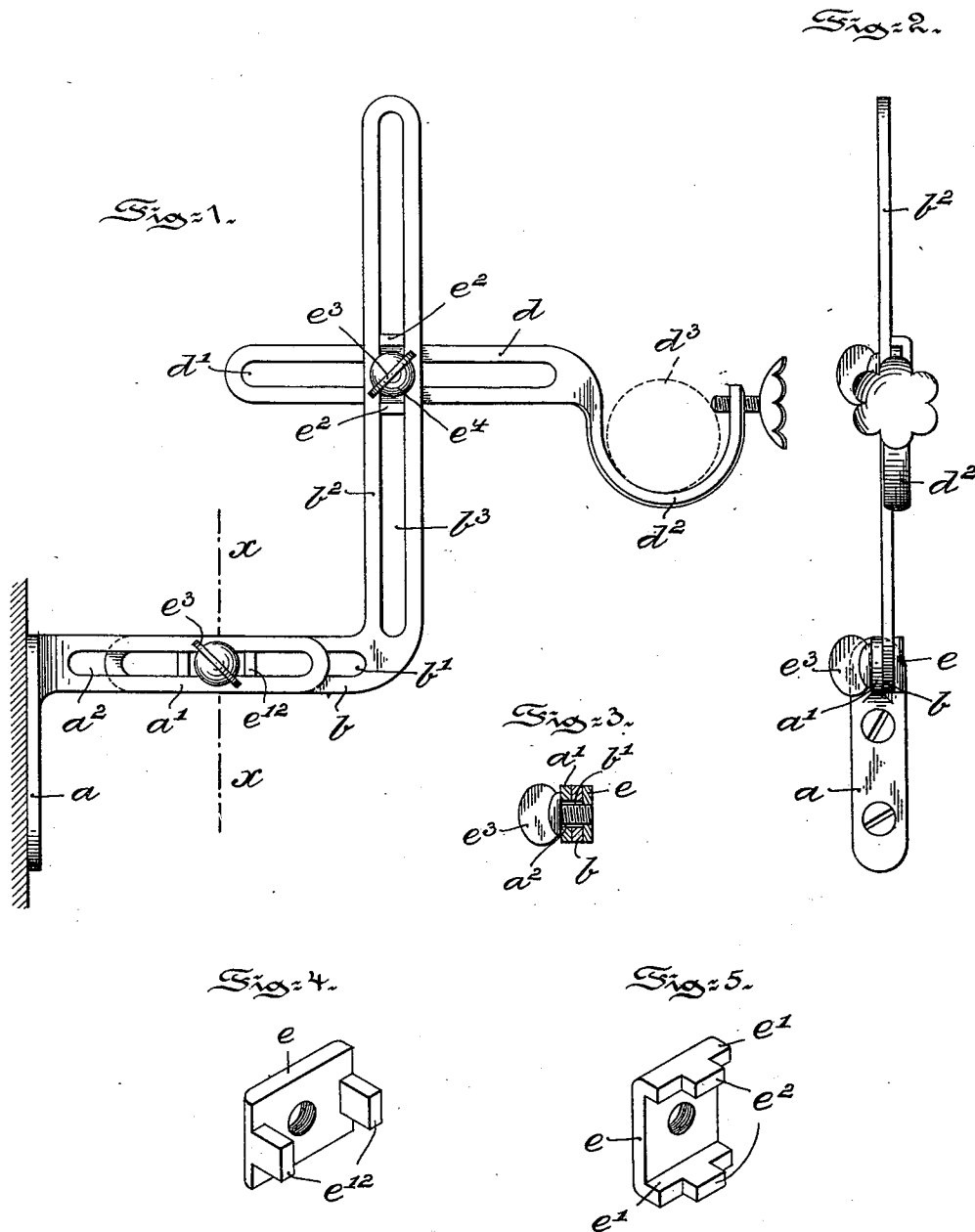
Patented Mar. 6, 1900.

R. H. BECK.

EXTENSIBLE AND ADJUSTABLE BRACKET.

(Application filed Dec. 11, 1899.)

(No Model.)



Witnesses:
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UNITED STATES PATENT OFFICE.

RUDOLPH H. BECK, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO GEORGE KOCH, OF SAME PLACE.

EXTENSIBLE AND ADJUSTABLE BRACKET.

SPECIFICATION forming part of Letters Patent No. 644,758, dated March 6, 1900.

Application filed December 11, 1899. Serial No. 739,890. (No model.)

To all whom it may concern:

Be it known that I, RUDOLPH H. BECK, a citizen of the United States, residing at the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Extensible and Adjustable Brackets, of which the following is a specification.

My invention has relation to a bracket or support for curtain-poles or the like, and in such connection it relates particularly to the construction and arrangement of such a bracket or support.

The principal object of my invention is to provide a bracket or support which may be readily and quickly extended and adjusted both vertically and horizontally, as required; and to this end my invention consists, primarily, in a bracket or support comprising a supporting-arm horizontally slotted, an angle-arm the free ends of which are respectively slotted in planes longitudinally arranged with respect to the ends of the angle-arm, and an angular supporting-bracket having one end adapted to be secured to the wall or other suitable fixture and having the other end longitudinally slotted, and clamping means adapted to adjustably secure one end of the angle-arm to the free end of the supporting-bracket, and similar means also adapted to adjustably secure the supporting-arm to the other end of the angle-arm.

The nature and scope of my invention will be more fully understood from the following description, taken in connection with the accompanying drawings, forming part hereof, in which—

Figure 1 is a side elevational view of a bracket or support embodying main features of my invention. Fig. 2 is a front elevational view thereof. Fig. 3 is a cross-sectional view taken on the line xx of Fig. 1. Fig. 4 is a perspective view of the clamping-plate uniting parallel slotted parts of the bracket, and Fig. 5 is a similar view of the clamping-plate uniting slotted parts of the bracket, which cross at substantially right angles to each other.

Referring to the drawings, a represents the angular supporting-bracket, having a projecting arm a' , which is slotted, as at a^2 . To

the arm a' is adapted to be adjustably secured one member b of an angle-arm, said member b being parallel to said arm a' and having a slot b' arranged in the same plane as the slot a^2 of the arm a' . The other end b^2 of the angle-arm extends at substantially right angles to the end b and is vertically slotted, as at b^3 . Crossing the end b^2 and preferably at right angles thereto is a supporting-arm d , having a slot d' extending longitudinally therein and having a recess or depression d^2 for the reception and retention of a pole d^3 or the like. The supporting-arm d is secured to the end b^2 of the angle-arm in the following manner: A plate e , as illustrated in Fig. 5, having two flanged ends $e' e'$, is adapted to be slipped over the rear face of the arm d , and the flanges $e' e'$ are each provided with a projection $e^2 e^2$, adapted to enter and fit closely into the slot b^3 of the end b^2 of the angle-arm. A thumb or clamping screw e^3 is adapted to be passed through the slots d' and b^3 and to enter the plate e , to thereby clamp the arm d and end b^2 between the plate e and a clamping-flange e^4 on the screw e^3 . This form of clamping device is peculiarly adapted for adjustably securing the slotted parts which cross at right angles, since when the screw e^3 is tightened said parts are maintained in their right-angled position, and yet when the screw is loosened their parts may be adjusted in planes at right angles to each other without sensibly disturbing the crossing relationship of the parts. Thus the part d , for instance, when the screw e^3 is loosened may be shifted horizontally, its edges being guided by the flanges $e' e'$ of the plate e . Again, the part d and plate e may be lifted or depressed in the slot b^3 of the end b^2 , the projections e^2 of the flanges of the plate e sliding in said slot. The clamping device to connect the parallel parts a' and b consists of the plate e , as illustrated in Fig. 4, which is not flanged, but has projections e^{12} sufficiently deep to traverse the slots a^2 and b' of the said parts. In this instance but one adjustment is necessary and that in a longitudinal direction, and by means of the clamping device this adjustment is attained without altering the substantially-parallel relationship of the parts.

Having thus described the nature and ob-

ject of my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. An extensible and adjustable bracket or support, comprising an angular supporting-bracket having a projecting slotted arm, an angle-arm having two members both of which are slotted, one of said members being arranged parallel with the projecting arm of the supporting-bracket, a supporting-arm longitudinally slotted and arranged at right angles to the other member of said angle-arm, means for adjustably securing the parallel parts of the bracket together and to permit of adjustment of said parts in a longitudinal direction, and means for adjustably securing the crossing parts of said bracket in substantially right-angled relationship and to permit of the adjustment of said parts in vertical and horizontal planes, substantially as
20 and for the purposes described.

2. In a bracket of the character described, two parallel parts, each slotted in the same plane, a plate having projections at two of

its ends adapted to traverse the slots of both parts, and a clamping-screw adapted to traverse said slots and to enter said plate to bind the parts together, substantially as and for the purposes described. 25

3. In a bracket of the character described, two crossing parts, each slotted in a plane at right angles to the plane in which the other is slotted, a plate having two flanged ends adapted to surround or inclose one of said parts, a projection formed on each flanged end and adapted to traverse the slot of the other of said parts, and a clamping-screw adapted to traverse both slots and to enter said plate to bind said crossing parts together, substantially as and for the purposes described. 30 35

In testimony whereof I have hereunto set my signature in the presence of two subscribing witnesses. 40

RUDOLPH H. BECK.

Witnesses:

J. WALTER DOUGLASS,
THOMAS M. SMITH.