

J. KNAPE.
ADJUSTABLE BRACKET.
APPLICATION FILED MAR. 21, 1910.

982,279.

Patented Jan. 24, 1911.

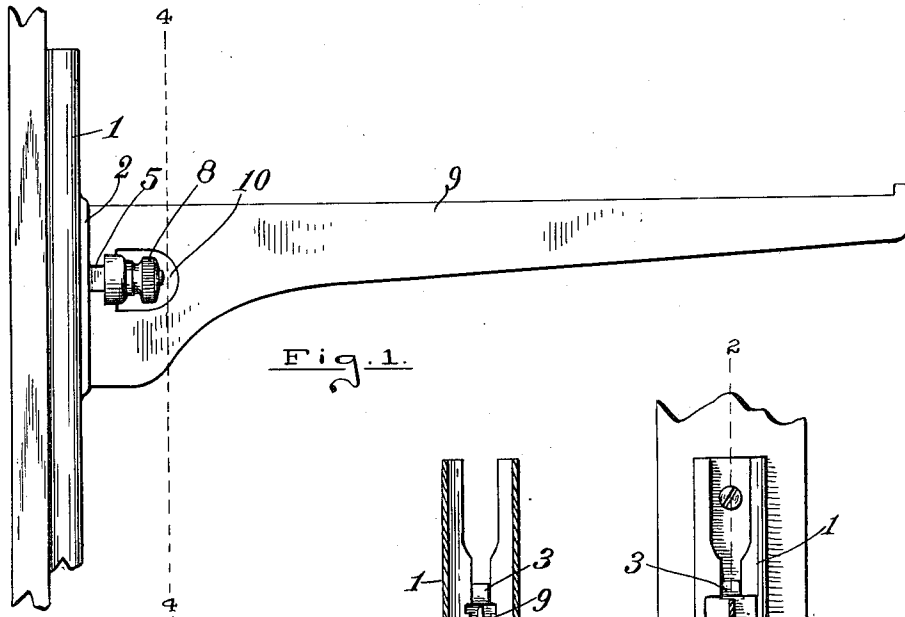


Fig. 1.

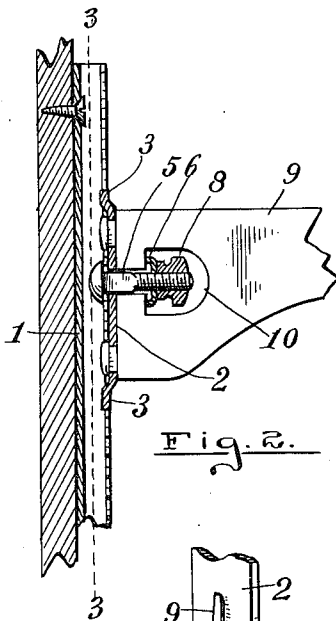


Fig. 2.

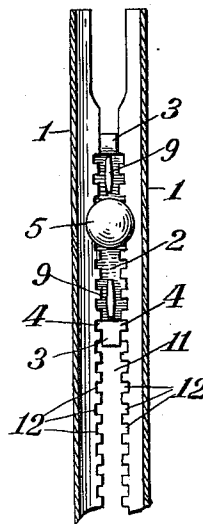


Fig. 3.

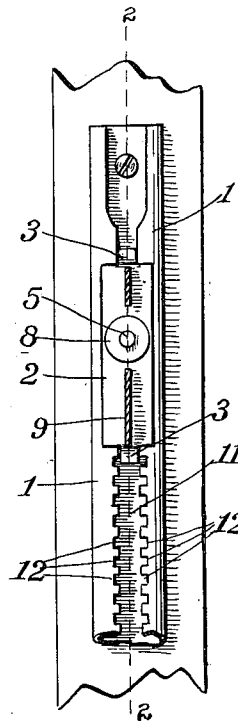


Fig. 4.

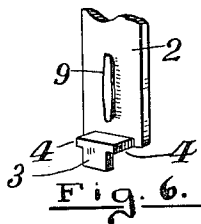


Fig. 6.

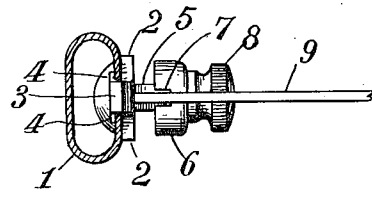


Fig. 5.

Witnesses
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UNITED STATES PATENT OFFICE.

JOHN KNAPE, OF GRAND RAPIDS, MICHIGAN.

ADJUSTABLE BRACKET.

982,279.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN KNAPE, a citizen of the United States of America, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Adjustable Brackets; 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.

My invention relates to improvements in adjustable brackets and its object is to provide the same with improved means for adjusting and supporting the same, and more particularly to brackets for use in show cases and the like.

My invention consists of certain novel features of construction and arrangement hereinafter more fully described and particularly pointed out in the claims, reference being had to the accompanying drawings, in which:

Figure 1 is a side elevation of a device embodying my invention; Fig. 2 a detail in vertical section of a portion of the same; Fig. 3 a vertical section at right angles to Fig. 2 on the line 3—3 of Fig. 2; Fig. 4 a front elevation with the bracket in section on the line 4—4 of Fig. 1; Fig. 5 a detail in plan view partially in section; and, Fig. 6 a perspective detail of a portion of the device.

Like numbers refer to like parts in all of the figures.

1 represents the fixed support for the bracket, which is of a tubular form having flat front and rear portions and a vertical slot 11 in the front portion, the adjacent edges of which slot are provided with opposing lateral recesses 12 at intervals to receive a rearwardly projecting supporting lug formed of a broad extension bent at right angles on one end of an adjustable plate 2, which plate carries the bracket arm 9. This plate is seated rigidly against the face of the fixed member 1 by means of a bolt 5 extending therethrough, having its head adjustable within the support 1 and a square neck portion vertically adjustable in the slot

11. This plate has in addition to the supporting lugs 4 vertically extended and inwardly offset guide members 3 in the plane of the front of the support, which slidably fit in the slot 11 and hold the plate 2 accurately adjusted vertically on the face of the member 1. The bolt 5 is also provided with a cup shaped washer 6 having recesses 7 to engage the bracket 9 and a milled nut 8. The washers 7 and nut 8 are located in an opening 10 in the bracket arm 9 which arm is preferably made of sheet metal, and accurately held in adjustment by means of my device, being rigidly attached to the plate 2 and held thereby in a vertical plane and perpendicular to the face of the support 1.

What I claim is:—

1. A bracket comprising a support having a vertical slot provided with lateral recesses, a plate adjustable on the front of the support, an extension on one end of the plate bent at right angles thereto and adjustably engaging the recesses, an extension at the other end of the plate offset within the plane of the front of the support and adjustable in the slot, means for clamping the plate against the front of the support and an arm carried by the plate.

2. A bracket comprising a tubular support having a flat front side provided with a vertical slot having opposing lateral recesses, a plate adjustable on the front surface of the support, an offset extension on one end of the plate in the plane of the front of the support and slidable in the slot, a broad extension on the other end of the plate bent at right angles to the plate to engage said recesses, and a further and narrower extension on the broad extension, bent in the plane of the front of the support and slidable in the slot, means for clamping the plate against the front of the support and an arm carried by the plate.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN KNAPE.

Witnesses:

GEORGIANA CHACE,
MINNIE THOMPSON.