

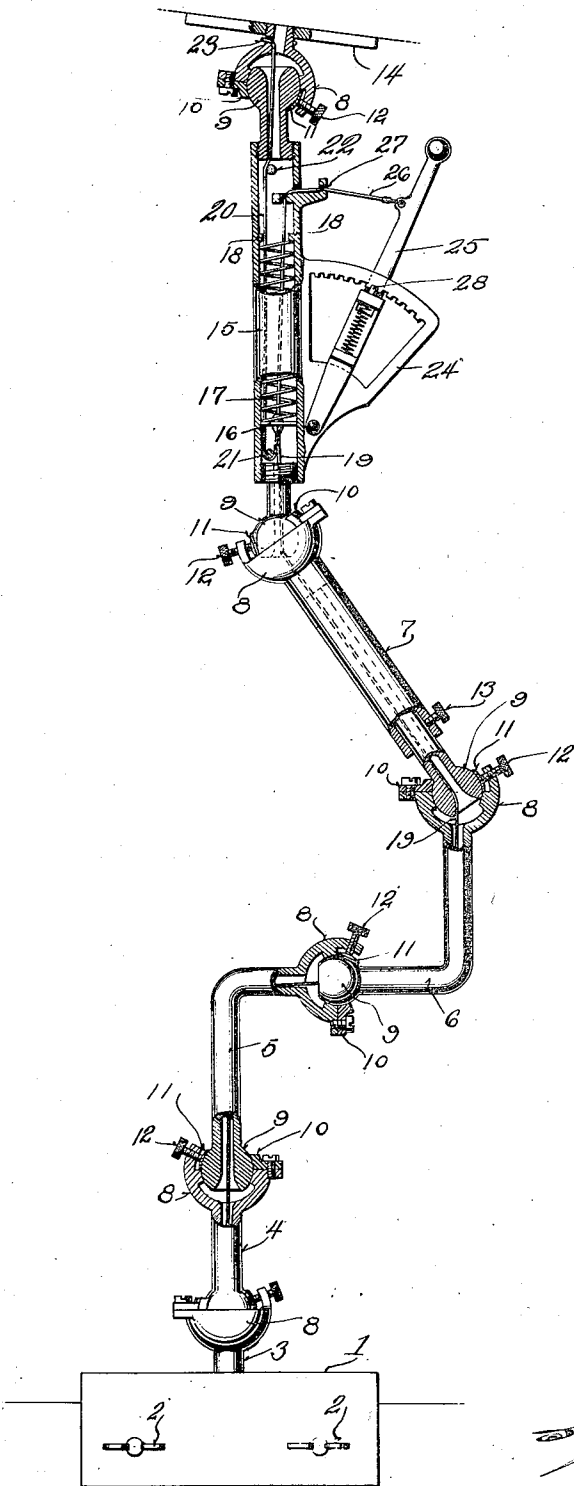
July 3, 1923.

1,460,697

A. W. BENDLIN

ADJUSTABLE BRACKET

Filed March 28, 1922



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UNITED STATES PATENT OFFICE.

ALFRED W. BENDLIN, OF MILWAUKEE, WISCONSIN.

ADJUSTABLE BRACKET.

Application filed March 28, 1922. Serial No. 547,377.

To all whom it may concern:

Be it known that I, ALFRED W. BENDLIN, a citizen of the United States, and resident of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Adjustable Brackets; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to an adjustable bracket which is adapted to support a drawing board, writing desk, or other attachment, in a great variety of different positions.

The object of the invention is generally to improve the structure of the adjustable feature, whereby to increase its range of usefulness and facilitate its manipulation.

A more specific object of the invention is to provide improved means whereby the bracket may be adjusted in any direction throughout an arc of 360° and to provide easily manipulated means for locking the same in the position to which it has been adjusted.

In describing my invention, reference will be had to the accompanying drawings, which represents an elevational view of my invention with parts thereof shown in section.

The numeral 1 indicates a base block which may be secured to the floor or side wall or any other suitable support, by means of suitable fastening devices 2. Extending from the base block are a suitable number of hollow sections 3, 4, 5, 6, and 7, which are secured to each other in series, by means of universal joints. Each of these joints preferably includes an outer cup shaped member or socket 8, within which is mounted a spherical head 9, the latter being retained by a retaining flange 10, and a shoe 11 which may be adjusted by means of a screw 12 to exert greater or less pressure upon the head 9. The several sections may be made in any convenient form which provides a suitable range of adjustment. For example, the sections 5 and 6 may be angular in shape, while the section 7 may be extensible and held in its position of adjustment by the set screw 13, or the like.

The outer end of the bracket carries a suitable supporting block 14, to which may be secured any attachment with which the bracket is designed to be used. One of the

section is provided with a cylindrical portion 15, within which is reciprocably mounted a head 16 which is carried at the end of a spring 17 which is seated at its outer end on a rib or projection 18. A pair of cords or cables 19 and 20 are secured at one end to the head 16. The first of these cords passes thru the hollow sections 7, 6, 5, 4 and the like, and is attached at its other end to the base block 1. The other cord 20 passes around suitable pins 21 and 22, and is secured at its other end at a point adjacent the supporting block 14, as shown at 23.

A quadrant 24 is formed integral with, or secured to the cylinder 15, and a lever 25 is operatively connected therewith. A cord 26 is secured at one end to the lever and passes thru eyes 27 into the cylinder 15 and is secured at its other end to the head 16.

It will of course be obvious that any number of adjustable sections may be connected in the manner indicated, and that they may be easily manipulated so as to bring the supporting block 14 into any plane desired.

When the bracket is in the desired position of adjustment, the lever 25 is swung outwardly to draw the head 16 against the resistance of the spring 17. The cords 19 and 20 will therefore be drawn tight, and the lever may be locked by means of the pawl and detent 28. The tensioning of the cords 19 and 20 will thus increase the pressure between the different members of the universal joints and the latter be held in their adjusted position by friction. Any looseness or play which may develop within the joints may be taken up by adjusting the shoes 11.

While I have shown and described specifically one structure by means of which my invention may be carried out, it will be understood that various modifications may be made therein without departing from the principle of the invention. For example, magnetic means for controlling and actuating the lever 25 may be used. The different sections of the bracket may also be varied in size and shape to accommodate them to the specific use to which the bracket is to be adapted.

I claim:

An adjustable bracket comprising a base, a plurality of hollow arms arranged in se-

ries and connected to each other and to the base by universal joints, a quadrant and lever secured to one of the arms and flexible elements extending thru said arms and joints and connecting the lever to the respective ends of the bracket, said lever being adjustable on the quadrant to tension the flexible elements, whereby the joints are caused to

bind and lock the bracket in any desired position. 10

In testimony that I claim the foregoing I have hereunto set my hand at Milwaukee, in the county of Milwaukee and State of Wisconsin.

ALFRED W. BENDLIN.