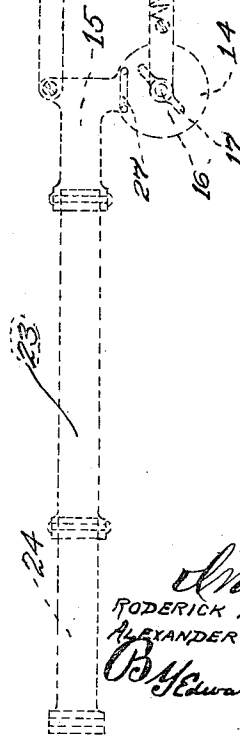
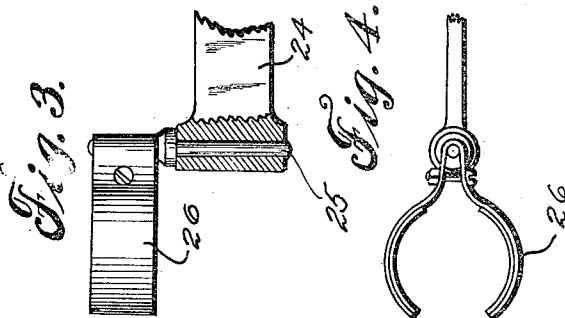
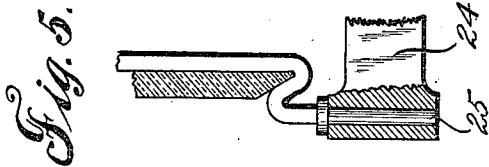
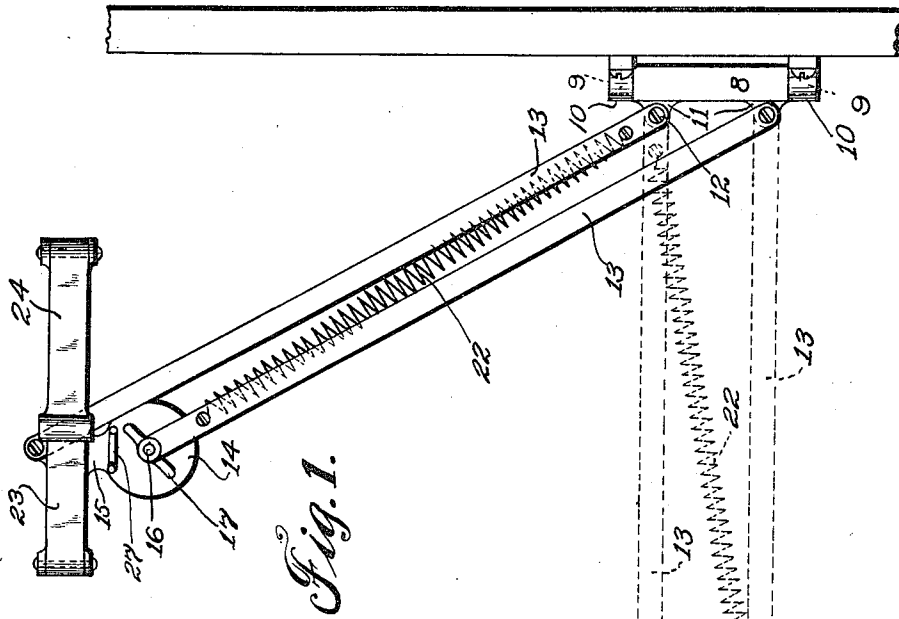


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 UNIVERSAL, EXTENSIBLE, BALANCED BRACKET.
 APPLICATION FILED MAR. 23, 1917.

1,272,845.

Patented July 16, 1918.

2 SHEETS—SHEET 1.



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2 SHEETS—SHEET 2.

Fig. 2.

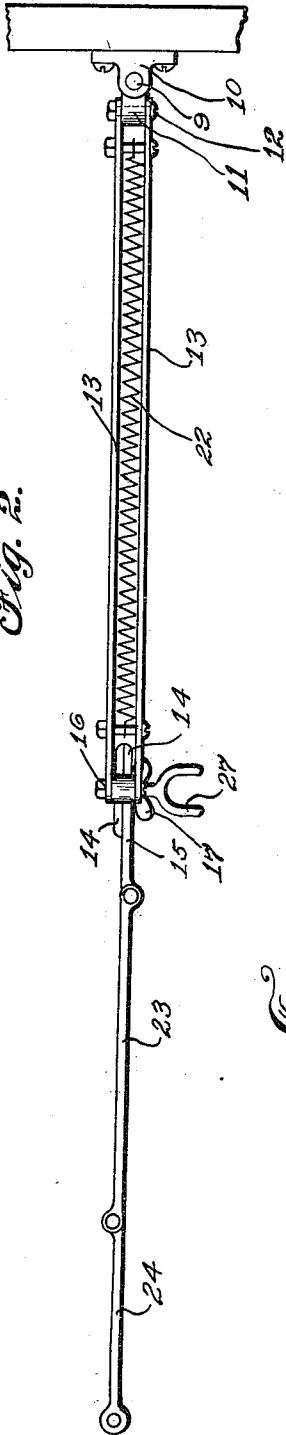


Fig. 7.

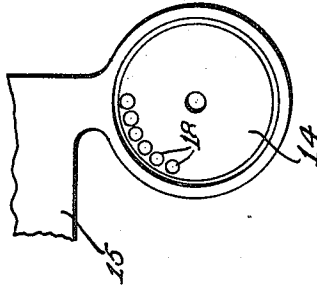
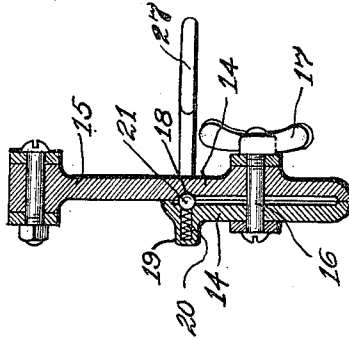


Fig. 6.



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UNITED STATES PATENT OFFICE.

RODERICK A. PECK AND ALEXANDER W. McCLEAN, OF ST. LOUIS, MISSOURI.

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Specification of Letters Patent.

Patented July 16, 1918.

Application filed March 23, 1917. Serial No. 156,904.

To all whom it may concern:

Be it known that we, RODERICK A. PECK and ALEXANDER W. McCLEAN, citizens of the United States, and residents, respectively, of St. Louis, Missouri, have invented certain new and useful Improvements in Universal, Extensible, Balanced Brackets, of which the following is a specification containing a full, clear, and exact description, references being had to the accompanying drawings, forming a part hereof.

Our invention relates to improvements in universally extensible and balanced brackets, arranged for the support of various devices, such as telephones and toilet mirrors, wherein parallel bars, mounted to be swung in one plane of movement are carried on a base arranged to be swung in another plane of movement, and which bars carry at their outer free ends a number of hinged leaves to which the device to be supported is connected to be swung to an infinite number of positions both radially and circumferentially of their points of connection with the parallel bars, and wherein means are provided for balancing the bars to automatically maintain the supported device in various selected positions and other means provided for locking the bars in various selected positions.

Our object is to construct a simple, durable and inexpensive bracket, for instruments, which require, for their best efficiency, a relatively stable yet shiftable support.

Our improvements consist in the novel details of construction, arrangement and combination of parts, hereinafter fully, clearly and concisely pointed out in our specification, pointed out in our claims and illustrated by the accompanying drawings, in which,—

Figure 1 is an elevation of the bracket as fixed to a support, and in a position when not in use, and shows by dotted lines, the bracket fully extended for use.

Fig. 2 is a plan of the bracket, fully extended, as for use.

Fig. 3 is a detail elevation partly in section showing a clamp for connection with an instrument to be supported.

Fig. 4 is a plan of the clamp shown in Fig. 3.

Fig. 5 is a detail elevation, partly in section of a modified form of means for the support of an instrument.

Fig. 6 is a transverse sectional elevation of the pairs of parallel bars and the clamp for locking them in different set positions, and

Fig. 7 is a fragmental elevation of one of the clamping members.

Referring by numerals to the drawings, 8 designates a base having at its upper and lower ends the journals 9, arranged for support in bearings 10, adapted for securement to a fixed support, such as a wall, desk, table or the like.

Extending laterally from the base and spaced relatively are the perforated ears 11, arranged to receive pivots 12 on each of which pivots there is swung a pair of parallel bars 13. The pairs of bars 13 extend to and are each pivotally connected with an element comprising a pair of disk-shaped bodies 14 and a hinge leaf 15, with their points of connection with said element relatively spaced a distance corresponding with the spacing of the pivots 12.

By preference, we extend a bolt 16 through the lowermost pair of arms 13 and provide a wing-nut 17, whereby to lock the clamp members 14 against relative rotation at times to positively hold the parallel bars in different set positions, and as shown in Fig. 6, the meeting faces of the clamp members are dish-shaped so that there may be free relative rotational movements, at times.

For temporarily holding the clamping members against relative rotation, we provide a plurality of seats 18, in concentric arrangement, in the meeting face of the one clamp member and a hollow boss 19 in the other, in which boss we insert an extensible coil spring 20 and a ball 21, arranged to be yieldingly held in one or the other seats.

As a further means for holding the arms 13 in different set position, we provide a contractile coil spring 22 which is extended diagonally of the trend of the parallel bars and has its one end secured to the one pair of bars adjacent the uppermost ear 11, of the base 8 and its other end secured to the other pair of bars adjacent their lowermost point of pivotal connection with the clamp members 14.

The spring 20 is given tension in proportion to the weight of the device to be supported, and therefore "balances" the device in different positions.

Connected with the hinge leaf 15 is a second hinge leaf 23 of greater length than the leaf 15, and secured to the leaf 23 is a third

leaf 24, of approximately one-half the length of the leaf 23, whereby when the leaves are folded to substantial parallelism the free end of the outermost leaf 24 lies adjacent the vertical median line of the clamp members, so that the spring 22 may operate to balance and hold in various set positions the weight of the device supported.

The free end of the outermost leaf 24 is provided with a vertical bore arranged to receive the stem 25 of a device to be supported.

In Fig. 5 we show the stem 25 as being a part of the supported device, while in Figs. 3 and 4 we show the stem 25 as being a part of a clamp 26, whereby the supported device may be held in various vertically adjusted positions relative to the hinge leaves.

Projecting laterally from the clamp 14 is a fork 27, arranged for the support of a device functionately associated with the supported device previously referred to; that is, the fork 27 may be employed as a support for a shaving brush when the bracket is supporting a mirror, as shown in detail in Fig. 5, or the fork 27 may be employed to support the receiver of a telephonic instrument.

Having thus described our invention, what we claim is,—

1. A bracket comprising bearings adapted to be attached to a support, a base pivotally mounted in said bearings, a pair of parallel bars pivotally mounted adjacent the lower end of said base, a pair of parallel bars pivotally secured to the upper end of said base, a coil spring having one end attached to the uppermost pair of bars and its oppo-

site end attached to the lowermost pair of bars, clamping members carried by the lowermost pair of bars for holding the bars in different set positions, a pivotal connection between one of the clamping members and the uppermost pair of bars, a series of folding sections carried by one of said clamping members, and a pivotal support for the article to be supported carried by the outermost one of the folding sections.

2. A bracket comprising bearings adapted to be attached to a support, a base pivotally mounted in said bearings, a pair of parallel bars pivotally mounted adjacent the lower end of said base, a pair of parallel bars pivotally secured to the upper end of said base, a coil spring having one end attached to the uppermost pair of bars and its opposite end attached to the lowermost pair of bars, clamping members carried by the lowermost pair of bars, a yielding detent located between the clamping members for temporarily holding the bars in different positions, a pivotal connection between one of the clamping members and the uppermost pair of bars, a series of folding sections carried by one of said clamping members, and a pivotal support for the article to be supported carried by the outermost one of the folding sections.

In testimony whereof, we have signed our names to this specification, in presence of two subscribing witnesses.

RODERICK A. PECK.

ALEXANDER W. McCLEAN.

Witnesses:

R. G. ORWIG,

M. E. KLEE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."