H. S. RAYMOND.

ADJUSTABLE KNOCKDOWN SOCKET.

APPLICATION FILED FEB. 1, 1915.

1,172,734. Patented Feb. 22, 1916.

Fig. 1.

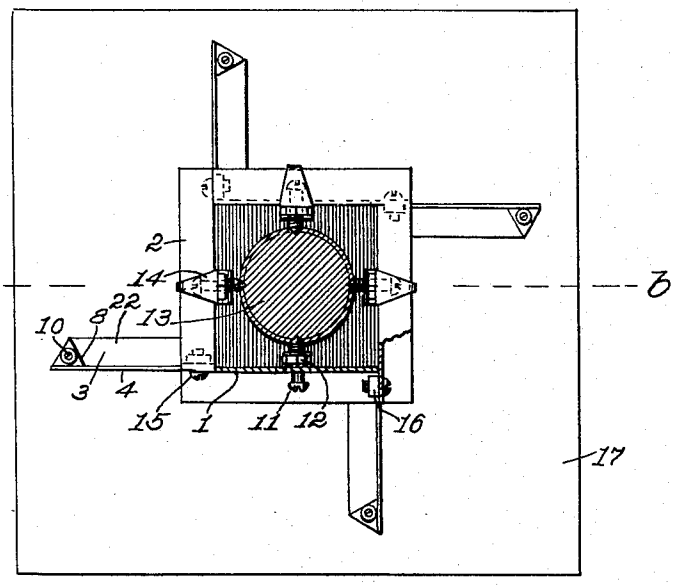


Fig. 2.

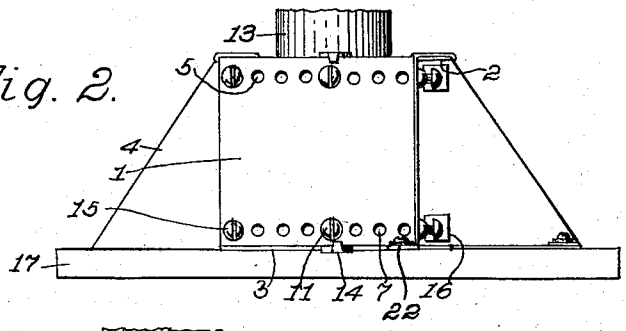
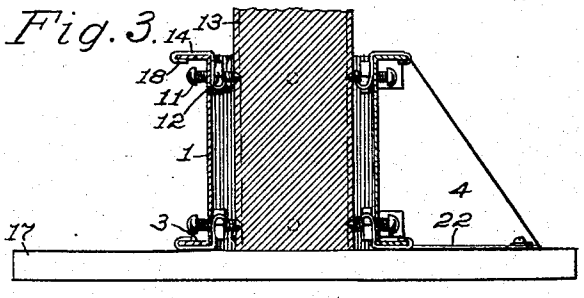


Fig. 3.



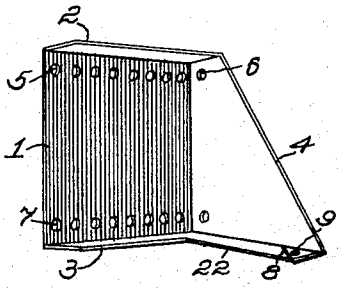


Fig. 4.

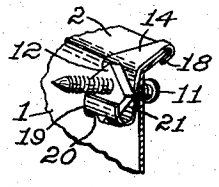


Fig. 5.

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ADJUSTABLE KNOCKDOWN SOCKET.

1,172,734. Specification of Letters Patent. **Patented Feb. 22, 1916.**

Application filed February 1, 1915. Serial No. 5,520.

To all whom it may concern:

Be it known that I, HENRY S. RAYMOND, a citizen of the United States of America, and a resident of Waterloo, Blackhawk county, Iowa, have invented certain new and useful Improvements in Adjustable Knockdown Sockets, of which the following is a specification.

My invention relates to improvements in adjustable knockdown sockets, and the object of my improvement is to assemble and secure together like parts of a sectional hollow holder adjustably and provide them with adjustable clamping means, to serve as a support for the base of a standard, post, or other like upright body. This object I have accomplished by the means which are hereinafter described and claimed, and which are illustrated in the accompanying drawings, in which:

Figure 1 is an upper plan view of my improved knockdown socket, as adjustably secured about an included supported body. Fig. 2 is a side elevation of said device. Fig. 3 is a transverse vertical section of said device and of the object supported therein, and taken on the line *a*—*b* of said Fig. 1, looking in the direction of the arrow. Fig. 4 is a detail perspective view of one of the sectional parts of the socket. Fig. 5 is a fragmentary detail perspective view of a part of one of said sectional parts, and showing the nut locking device as operatively mounted thereon and upon one of the set-screws therein.

Similar numerals of reference denote corresponding parts through the several views.

My improved device is particularly intended for use as an adjustable socket for securing and supporting the basal part of an upright body, such as a post, a standard of any kind, or the butt end of a Christmas tree.

The device comprises a plurality, preferably four in number, of like sectional sidewall plates of approximately rectangular shape, and set on edge to form an open-topped hollow boxing, slidable past each other to vary the dimensions of their interspace, to hold between them objects of varying sizes of cross-section. Each of these plates 1 has horizontal outwardly directed top and bottom flanges 2 and 3, and a sloping outwardly directed buttress part 4 projected from one vertical edge, each buttress having a horizontal flanged part or foot 22. The outer angular extremity 8 of each foot 22 is folded upon the foot and both then orificed in line at 9 to admit a screw 10, the latter thus fixing the section upon a relatively fixed base or supporting structure 17. Each sectional plate 1 has a like plurality of horizontally alined orifices 5 and 7 respectively, along its upper and lower parts. Each buttress 4 has single orifices 6 in its upper and lower parts, located suitably to register with any of said orifices 5 or 7, respectively, as may be appropriate, when the sections are assembled and moved horizontally past each other to be secured together at right angles to provide an open-topped interspace of desired dimensions. This assemblage is best illustrated in said Fig. 1, and the sections are detachably secured together by means of bolts 15 passed through said registering orifices, and fastened by nuts 16. Set-screws 11 are passed through certain of the orifices 5 and 7 of said sections to extend into the interspace of the sections, and through nuts 12, and have their conical extremities adjustably engaged with opposite parts of an included object 13, which may be the butt of the trunk of a Christmas tree or the like, to hold it fixedly in an upright or other position.

Referring now to said Fig. 5, the numeral 14 denotes a strip of elastic material, such as tin-plate, narrowed at one end with its tip 18 passed across one or the other of the flanges 2 or 3, and clenched detachably upon its opposite face. The strip or locking-clip 14 is bent at 21 to lie against the inner face of the section 1 and is orificed to receive the set-screw 11 therethrough, and thus lie between the nut 12 and the section 1, bearing against and locking the nut. In order to more completely lock the nut, the strip is bent over at 19 reversely and provided at its angle of bending with an oblong orifice 20 adapted to receive one angle of the nut, whereby the latter is firmly locked upon the set-screw 11 and cannot turn thereon, so that the set-screw is held securely in its adjusted holding position, but the set-screw may nevertheless be turned to more or less adjust it to or from the object 13. These set-screws may be mounted wherever necessary in said sections' orifices to grasp the more or less irregular outer surface of a supported body at vertically separated points. The sections may be slid past each other to secure therebetween an object of

very small cross-section, in which case, the set-screws are not necessarily used, to securely hold the object in place. Since the sections 1 are of like form and dimensions, they are, when disassembled, easily nested in a knockdown form, in little space, for storage or transportation.

Slight changes in form, dimensions, number or shape, or relations of parts of my said device may be effected, without, however, departing from the scope and principles of or the protection of my invention.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is:

1. An adjustable knockdown socket, comprising in combination, a plurality of wall-plates arranged to form an adjustable socket, each plate having one upright edge seated in contact with the inwardly-disposed face of an adjoining plate, to be adjustable therealong throughout the widths of the plates, and means for detachably securing said adjoining plates together.

2. An adjustable knockdown socket, comprising in combination, four like wall-plates set at right angles to each other to form a socket, one upright end only of each plate contacting with the inwardly-facing wall of an adjoining plate, said plates being adjustable past each other to vary the dimensions of their included space, and means for detachably securing said plates together in an adjusted position.

3. An adjustable knockdown socket, comprising a plurality of like plates adjustably secured together to provide an open-topped interspace of desired dimensions, set-screws mounted movably therein oppositely adapted to adjustably secure an included object between them, nuts on said set-screws, and elastic bodies detachably secured to said plates and bearing against said nuts to lock them in adjusted positions of the set-screws.

4. An adjustable knockdown socket, comprising a plurality of side-wall plates adjustably slidable past each other when assembled together to provide an interspace of desired dimensions, means for detachably securing said plates together in an adjusted position, set-screws mounted movably in said plates to hold an object seated in said interspace adjustably between them, nuts on said set-screws in said interspace, and a locking-clip mounted on each set-screw, orificed to detachably receive an angle of the nut thereon and having one end secured detachably to the plate in which the set-screw is mounted.

5. An adjustable knockdown socket, comprising a plurality of like side-wall plates having outwardly flanged top and bottom edges, each plate having one edge flanged outwardly to provide a buttress having an angularly disposed foot-piece, each plate having a like plurality of transversely-alined orifices, and each buttress having orifices adapted to register with any of the orifices in another plate laid therealong endwise, detachably securing-means inserted in the registering orifices of said plates to hold the plates together, and adjustable clamping-means mounted in certain of the orifices of said plates to extend adjustably into their interspace to secure an included object detachably between them.

Signed at Waterloo, Iowa, this 15th day of Jan., 1915.

HENRY S. RAYMOND.

Witnesses:
W. H. BRUNN,
GEO. C. KENNEDY.

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