

(No Model.)

E. REYER.
FUNNEL HOLDING BRACKET.

No. 546,081.

Patented Sept. 10, 1895.

Fig. 1

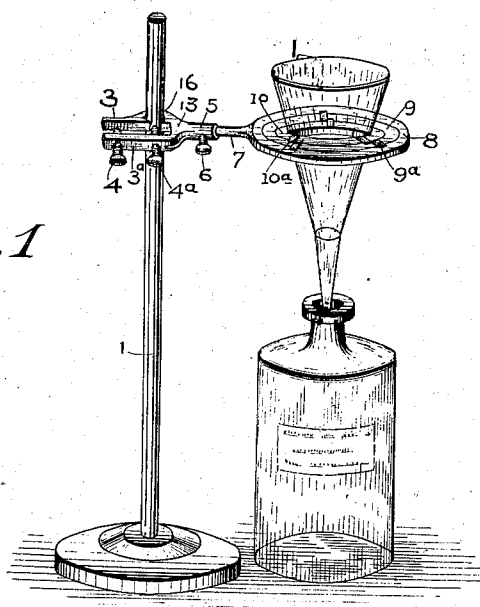


Fig. 3

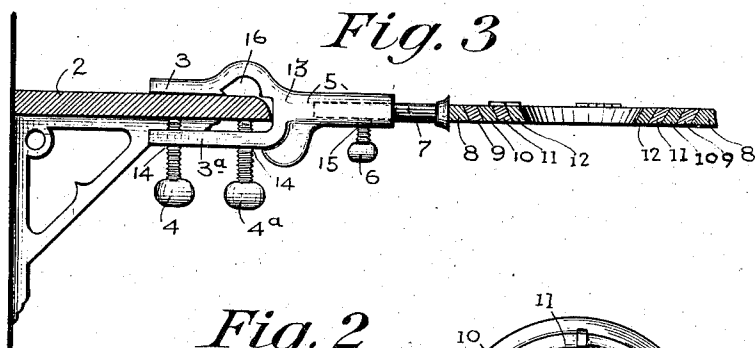


Fig. 2

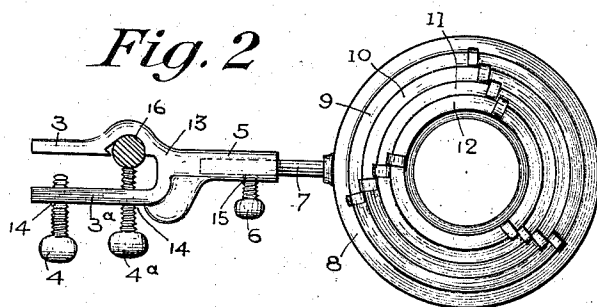
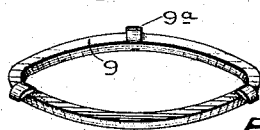


Fig. 4



Witnesses:-

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Inventor:-

Emil Reyer,
By his Atty., O. B. Reichelt.

UNITED STATES PATENT OFFICE.

EMIL REYER, OF SOUTH BEND, INDIANA.

FUNNEL-HOLDING BRACKET.

SPECIFICATION forming part of Letters Patent No. 546,081, dated September 10, 1895.

Application filed May 27, 1895. Serial No. 550,791. (No model.)

To all whom it may concern:

Be it known that I, EMIL REYER, a citizen of the United States, residing in South Bend, in the county of St. Joseph and State of Indiana, have invented certain new and useful Improvements in Funnel-Holding Brackets, of which the following is a specification.

My invention relates to an improved funnel-holder and bracket-support to be used in laboratory practice and for other similar purposes.

The object of my invention is to provide a funnel-holder adapted to receive funnels or percolators of various sizes and a bracket adapted to be secured either to a bracket rod or standard or to a shelf or other similar convenient support; and the improvements consist in certain special forms, combinations, and arrangements of parts hereinafter particularly described, with reference to the accompanying drawings, wherein—

Figure 1 is a perspective view of a funnel-holder and bracket-support secured to a bracket-standard. Fig. 2 is an enlarged plan thereof; Fig. 3, a sectional elevation of a funnel-holder of the pattern or form shown in Figs. 1 and 2, but attached to a shelf; and Fig. 4, a perspective view of a single funnel-supporting ring detached.

The funnel-supporting bracket is so constructed that it may be either secured to a bracket standard or rod 1 or to a shelf, table-top, or other flat projection 2 by means of a novel form of clamping-jaw 3, fitted with set-screws 4 for securing it to said supports, and a sleeve 5 and clamping-screw 6 to respectively receive and secure thereto a shank or rod 7, formed integral with the outer funnel-ring 8 of a series of rings 8, 9, 10, 11, and 12, adapted to fit one within the other and receive the middle diameter of funnels, percolators, and similar laboratory appliances of various sizes.

In practice all of the rings of smaller diameter than the ring best fitted to the size of the funnel to be used are removed from the set, and the remaining rings, supported successively upon the outer ring 8, having the shank 7, and upon each other, will, when securely attached to sleeve 5 of the clamping-jaws 3 by the clamping-screw 6 and to the bracket-standard 1 or shelf 2 by the set-screws

4, provide a solid, secure, and effective device for holding the funnel or percolator of any required size and without danger of being upset, broken, or otherwise disarranged or disconnected by accidental contact with other things.

The bracket portion is especially convenient and effects a secure connection, while it is equally well adapted for attachment to a rod, standard, or shelf. The body 13, of which the jaws 3 and sleeve 5 are a part, is made of cast metal drilled and tapped at 14 to receive the set-screws 4 and in the sleeve at 15 to receive the clamping-screw 6, and is strong, light, and well adapted to support the funnel-holding rings and whatever weight may be placed upon them.

When the bracket is to be secured to a shelf, both of the set-screws 4 and 4^a may be used, and when attachment is to be made to a rod or standard the screw 4^a, passing through the inner end of the jaw 3 in a position directly opposite said rod or standard 1, is used and is made to bear directly against said rod with the required degree of pressure. The jaw 3 of the bracket is formed with a recess 16, having a rounded end and an angular end, into which the rod or standard 1 is fitted and is securely clamped by the direct impingement thereon of the set-screw 4^a, as above described. The funnel-rings 8, 9, 10, 11, and 12 are preferably made thin to secure lightness and are made to rest more securely upon the other by means of projecting lugs 9^a, 10^a, &c., either cast or stamped up upon them. The rings are thus held more securely, and the funnel thus supported will hold a heavy load with perfect safety.

The body 13 of the bracket is adapted to be placed either vertically or horizontally, and the sleeve 5, set-screw 6, and shank 7, to which the outer ring 8 is attached, will admit of the said bracket-rings being placed and held in any suitable or preferred position or adjustment, as the shank 7 may be both pushed in and out and turned around in the sleeve, and when the funnel-holding rings are not in use they may be removed entirely from the bracket-body and clamping portion of the device and placed out of the way.

I am aware that variously-formed adjusting-brackets and also that a series of concen-

tric rings for receiving utensils of various sizes have been heretofore employed, and I do not broadly claim such device or devices, as they are not adapted for use as herein specified.

5 I claim as my invention and desire to secure by Letters Patent—

1. A bracket for supporting funnels, percolators and similar laboratory apparatus
10 comprising a body having parallel jaws, one of which is recessed to receive a bracket standard and the other of which has set screws, one of which is disposed opposite said recess, substantially as described.

2. A bracket for supporting funnels and
15 percolators, comprising a bracket body having clamping jaws, a sleeve and set screw, and a series of rings, one of which has a shank projecting exteriorly therefrom to be held within the sleeve by the set screw, sub-
20 stantially as described.

In testimony that I claim the foregoing as my invention I have signed my name in the presence of two subscribing witnesses.

EMIL REYER.

Witnesses:

WM. H. ROWE,

BRUNO KRUSSEK.