No. 872,274. PATENTED NOV. 26, 1907.

R. BROOKS.

DISPLAY STAND.

APPLICATION FILED DEC. 5, 1906.

Fig. 1.

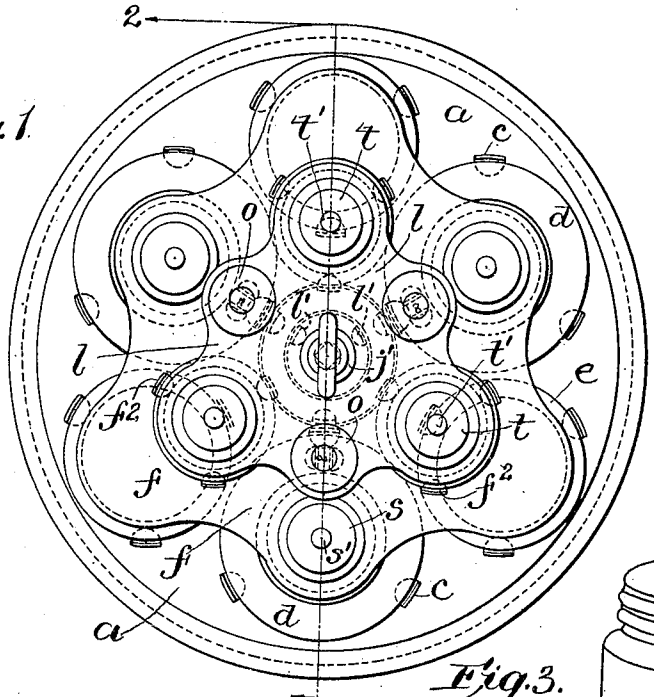


Fig. 3.

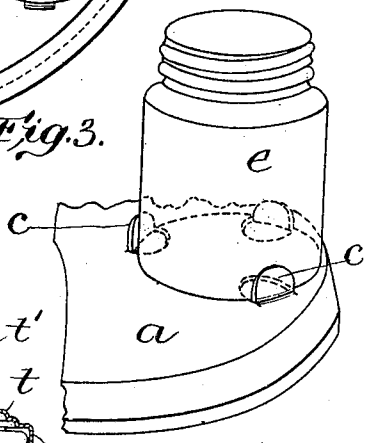
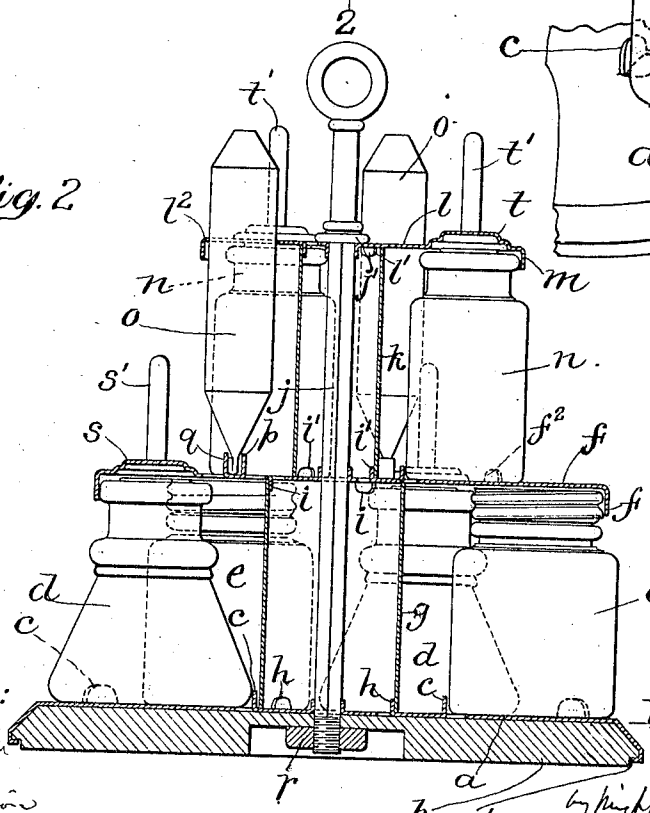


Fig. 2.



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DISPLAY-STAND.

No. 872,274. Specification of Letters Patent. Patented Nov. 26, 1907.

Application filed December 5, 1906. Serial No. 346,406.

To all whom it may concern:

Be it known that I, REUBEN BROOKS, of Gloucester, in the county of Essex and State of Massachusetts, have invented certain new and useful Improvements in Display-Stands, of which the following is a specification.

This invention relates to stands or holders adapted to contain articles to be displayed in stores, and is particularly intended to contain small, compact solid articles so that they can be effectively displayed and at the same time securely protected against being stolen.

The invention consists in a base having pockets to receive the bottoms of display articles supported thereby, and one or more upper or cover plates which extend over the base and articles placed thereon, so as to prevent such articles being lifted or slipped out sidewise from the base. The cover plates also may be provided with pockets to receive the bottoms of articles in a second tier, which latter are retained by a top plate, all the parts being detachably secured together so as to present a rigid structure which may be taken apart and packed together for transportation.

Of the accompanying drawings,—Figure 1 represents a plan view of a display stand containing the features of my invention. Fig. 2 represents a sectional elevation on line 2—2 of Fig. 1. Fig. 3 represents a fragmentary perspective view of the base with a display article supported thereon.

The same reference characters indicate the same parts in all the figures.

The character of display stand illustrated in the drawings is the preferred embodiment of my invention, and is particularly adapted for exposing to view adhesive products, such as glue, mucilage, paste, etc., but it is to be understood at the outset that the invention is not limited to any such particular use, but may be constructed so as to contain any kinds of cans, cartons and other packages. The present embodiment of the idea, however, is especially adapted for the purpose set forth, and the preferred construction of the device is of sheet metal. A lower or base plate *a* is cut out from sheet metal and secured to a wooden base *b* by being bent down over the beveled outer side of the piece *b*, and its edges turned into a groove *b'*. The wooden piece is provided both for the purpose of stiffening the sheet-metal base plate and also to keep the metal out of contact with, and so prevent injury to, a wooden or glass counter or show-case on which the stand may be set. At a number of locations on the base plate, groups of lugs *c* are struck up. Each of these groups contain three or more lugs, arranged on the circumference of a circle, and at equal distances from each other so as to form pockets in which may be contained bottles *d* and jars *e* to be displayed. Parallel to the base and at a distance therefrom equal approximately to the height of the bottles and jars is an upper member or plate *f* which extends over the tops of the articles. This plate is retained at a fixed distance from the base by a tubular column *g* positioned with respect to the base by lugs *h* bent upwardly and positioning the upper or cover plate by means of lugs *i* bent downwardly from the latter.

The cover plate may be rigidly secured to the base directly by means of a rod *j* or intermediately by this rod and a second column *k* supporting a second cover plate *l* through which the rod *j* passes, and upon the upper surface of which a collar *j'* or equivalent device on the rod bears. The rod *j* is of angular cross section and passes through similarly-shaped holes in the plates *a f* and *l* so that when in place, it positions the plates correctly with respect to each other and cannot be itself turned. The tube *k* is positioned with respect to the plates *f* and *l* by relatively upwardly and downwardly turned lugs *i'* and *l'*.

The intermediate plate *f* has on its periphery a downwardly extending rib or flange *f'* which lies outside of the display articles and serves to prevent the tops of the latter being displaced laterally, while the pocket-forming lugs *c* prevent the displacement of the bottoms of such articles. Lifting of the articles out of the pockets is prevented by the plate *f* which is so stiffened by the downward rib *f'* as to be incapable of being bent upward, and its edges raised by any force less than sufficient to buckle and destroy the rib. Similarly, the cover or top plate *l* is provided at its periphery with a rib or flange *m* which performs the same functions as to retaining the bottles or jars *n* and preventing bending of the plate as the rib *f'*.

When the plates are made of sheet metal the rims are preferably formed by flanging over the edges of the plates at right angles to

the planes thereof, but the ribs also may be made separately and secured by soldering, brazing, welding, etc.

A second tier of articles is supported on the intermediate cover plate *f*, those articles which have circular bases, such as the bottles *n*, being retained between three or more lugs f^2 similar to the lugs *c*, while other articles such as tubes *o* of paste, having their bottoms folded together in a straight line, are contained between lugs *p* and *q* which inclose a narrow straight channel between them. Where the tubes *o* are of greater length than the bottles *n*, they project through holes l^2 in the cover plate.

When the parts are assembled, they are secured rigidly together by a nut *r* threaded on the lower end of the rod *j* and bearing on the under side of the base in a recess, the collar *j'* on the rod at the same time pressing upon the upper surface of the plate *l*. Thus the plates and base are prevented from separating by the collar *j'* and nut *r*, and are held rigidly at a predetermined distance from each other by the tubular columns *g* and *k*. A structure which is rigid as a whole is thus provided, and of which the several parts present rigid resistance to bending by reason of the wooden filling block *b* and the stiffening flanges *f'* and *m*. Thus the articles when contained in the stand are locked therein and cannot be abstracted separately by a sneak-thief or shop-lifter. This is due to the fact that the plates are too stiff to be separated by the fingers alone, and therefore they cannot be lifted so far as to disengage the tops of the articles. The stand as a whole is too bulky to be carried bodily away by a thief, and the parts cannot be disconnected except by inverting it and unscrewing the nut *r*, (for the prismatic shape of the rod *j* prevents it from being turned), and this could hardly be done without detection. Accordingly articles displayed therein are comparatively safe.

Portions of the plates *f* and *l* may be embossed as shown at *s* and *t*, so as to represent the ornamental caps which are placed upon glue and mucilage bottles after the stoppers are drawn. These embossed portions have secured to them tubular stems *s'* and *t'* representing the brush handles which are usually passed through the ornamental caps.

Instead of being stamped out from sheet metal and having the pocket-forming lugs bent up from the sheets, the parts may be made by casting or molding glass, metal or other plastic material, or may be turned from wood or built up out of twisted wire. Modifications of this character are all embraced within the scope of my invention.

I claim:—

1. A display stand comprising a base adapted to support articles to be displayed and having individual recesses to receive the bottoms of such articles for preventing lateral movement thereof, and a member secured at a fixed distance from the base and arranged adjacent the upper portions of the articles constructed with peripheral rigidity so as to prevent lifting and removal thereof from the base, the parts above the base being connected thereto by means accessible for separation only from the under side of the base.

2. A display stand comprising a wide supporting base having on its upper surface pockets to receive the bottoms of articles to be displayed and prevent movement of such articles laterally in any direction; a cover supported at an invariable distance from the base engaging the upper parts of the articles and rigid at its edges to prevent lifting of the articles from the pockets; and a tie member connecting the base and cover together so that they cannot be separated, the parts above the base being connected thereto by means accessible for separation only from the under side of the base.

3. A display stand comprising a wide supporting base having on its upper surface pockets to receive the bottoms of articles to be displayed and prevent movement of such articles laterally in any direction; a cover supported at an invariable distance from the base engaging the upper parts of the articles to prevent lifting thereof from the pockets; a tie rod non-circular in cross-section passing through correspondingly shaped orifices in the cover and base, and having an immovable collar above the cover; and a nut secured to the rod bearing against the under side of the base; the collar and nut serving to prevent separation of the cover and base, and the shape of the rod preventing loosening thereof while the stand is upright.

4. In a display stand designed for showing small packages of goods, the combination of a base having projections inclosing spaces adapted to hold the bottoms of the articles to be displayed, so as to prevent them from being slid off from the base or displaced in any direction; means for holding the tops of the package so that they cannot be raised from the base; and means for uniting all the parts of the device in such manner that they cannot be separated by the fingers alone while the stand is in an upright position, the parts above the base being connected thereto by means accessible for separation only from the under side of the base.

5. In a display stand designed for showing small packages of goods, the combination of a base plate having projections inclosing separate spaces adapted to hold the bottoms of the articles to be displayed so as to prevent them from being slid off from the plate or moved in any direction; a cover plate so formed as to fit the tops of said articles and prevent them from being raised up out of

their places on the base plate; and a rod secured to the base passing through both said plates in such manner as to hold them firmly in position, the parts above the base being connected thereto by means accessible for separation only from the under side of the base, substantially as set forth.

6. In a display stand designed for showing small packages of goods, the combination of the base plate made from sheet metal, having ears or lugs stamped up from it in such manner as to form pockets adapted to hold the bottoms of the articles to be displayed thereon; a cover plate so formed as to fit over the tops of said articles and prevent them from being raised up out of their places on said base plate; and a rod having a collar near its upper end, passing through both plates and secured to the base, holding them firmly in position, the parts above the base being connected thereto by means accessible for separation only from the under side of the base, substantially as described.

7. In a display stand designed for showing small packages of goods, the combination of the base plate so formed with separated projections as to provide separated individual spaces for holding the bottoms of the articles to be displayed; with one or more plates arranged above the base plate so formed as to fit over the tops of the packages under them, and having similar projections to provide spaces for the bottoms of the packages that are to be set upon them; with a top plate adapted to cover the tops of the upper tier of packages; and a rod or equivalent device passing through said plates, and secured by a nut or other suitable fastening to the base, holding all the parts firmly together, so that said plates cannot be readily separated by means of the fingers alone, the parts above the base being connected thereto by means accessible for separation only from the under side of the base, substantially as described and for the purpose set forth.

8. In a display stand designed for showing small packages of goods, the combination of the base plate so formed with upstanding projections as to provide separated individual spaces for holding the bottoms of the articles to be displayed; with one or more plates arranged above the base plate so formed with a downward peripheral flange and upward projections as to fit over the tops of the packages under them, and provide individual spaces for the bottoms of the packages that are to be set upon them; with a top plate adapted to cover the tops of the upper tier of packages; tubular spacing members between the base and plates; and a rod or equivalent device passing through said plates and the spacing members, and secured by a nut or other suitable fastening to the base, holding all the parts firmly together so that said plates cannot be readily separated by means of the fingers alone, the parts above the base being connected thereto by means accessible for separation only from the under side of the base, substantially as described and for the purpose set forth.

In testimony whereof I have affixed my signature, in presence of two witnesses.

REUBEN BROOKS.

Witnesses:

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