May 14, 1929. J. J. MOFFA 1,712,577

PORTABLE REVOLVING MOTOR OIL STAND

Filed April 13, 1928

Fig. 3.

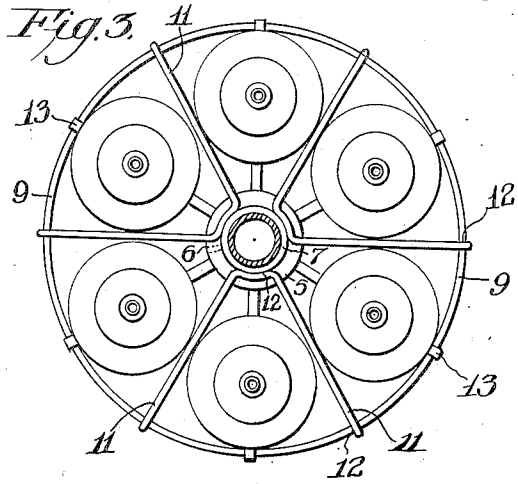


Fig. 4.

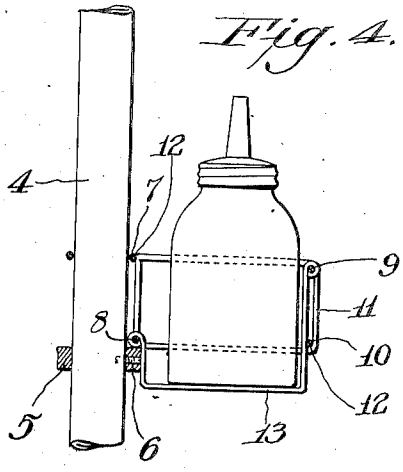


Fig. 1.

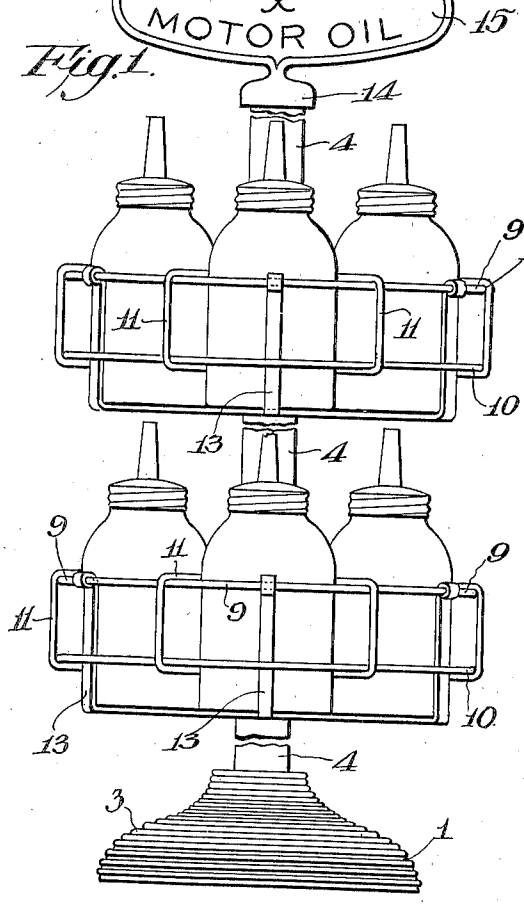
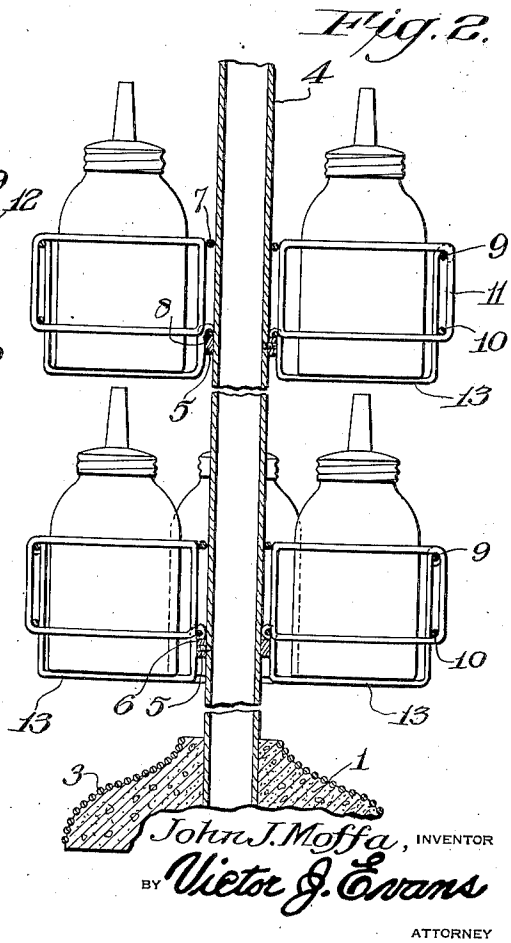


Fig. 2.



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UNITED STATES PATENT OFFICE.

JOHN J. MOFFA, OF ATCO, NEW JERSEY.

PORTABLE REVOLVING MOTOR-OIL STAND.

Application filed April 13, 1928. Serial No. 269,742.

The present invention relates to an improved portable revolving motor oil stand for use around gasoline stations, garages, and automobile accessory establishments and similar places.

At the present time there are in use improved means for supporting bottles of the various grades of motor oils, but the various bottles are not segregated according to the grades of oil, and furthermore such bottles get more or less mixed, and the supporting means for the bottles are very inconvenient to handle.

The present invention has for its purpose to provide a very easy portable stand, one that cannot be very easily knocked over, and wherein the several trays for the support of the bottles of oil are revoluble, so that the various bottles are easily accessible.

Another purpose is to provide a stand, wherein the bottles when placed in the trays are kept separated, and not knocked together and therefore will not break.

Another purpose is to provide a stand, which is easily portable, due to the fact that it can be tilted to a certain distance and the stand rolled on the edge of its base, and since the base is constructed of heavy concrete or cement properly reinforced, the stand cannot be easily knocked over.

It is to be understood that the particulars herein given are in no way limitive, and that while still keeping within the scope of the invention, any desired modification of details and proportions may be made in the construction of the appliance according to circumstances.

The invention comprises further features and combination of parts to be hereinafter set forth, shown in the drawings and claimed.

In the drawings:—

Figure 1—is a view in side elevation of the improved portable revolving motor oil stand constructed in accordance with the invention.

Figure 2—is a vertical sectional view through the same.

Figure 3—is a cross sectional view on line 3—3 of Figure 1, showing the various trays or baskets in plan view.

Figure 4—is a sectional view on line 4—4 of Figure 2, to illustrate the fact that the bottom of the bottle is located a substantial distance below the spacing wires of the tray.

Referring to the drawings, 1 identifies a base, which may be any size and any shape preferably circular, so that it may be rolled on its edge, to allow the stand to be moved from one position to another. This base is preferably constructed of concrete or cement, or other suitable material, interiorly reinforced by radial and circular wires 3, which are connected to the standard 4, which is suitably anchored in the base.

The standard preferably consists of a tubular column and has a plurality of supporting collars 5, which are secured by set screws 6.

It is apparent that these collars may be adjusted vertically on the standard or column, in order to position the various trays at different heights.

Each tray is made up of upper and lower inner round rings 7 and 8 and upper and lower outer round rings 9 and 10. Connecting the inner and outer upper and lower rings are radial wires 11, which are constructed in segment shapes and are brazed or otherwise electrically welded as at 12 to the inner and outer upper and lower rings, thereby insuring a very rigid construction of tray. In addition to this construction the tray is further reinforced by the radial supporting flat wires 13, which extend down from the inner upper and lower rings and a substantial distance below the inner lower ring, radially outwardly, and then upwardly. These flat wires 13 are electrically welded or otherwise reinforced suitably to the rings, and it will be noted that the radial parts of the flat wires are below the lower radial portions of the segment shape wires, so that the segment shape wires will separate the bottles which are contained in the segments and between the segments and supported by the radial parts of the flat wires. In this manner the bottles are prevented from breaking, even though the stand may be tilted and portably rolled from one place to another.

The stand preferably comprises three trays for high, low and medium grades of oil, the low grade oil being carried by the upper tray, the high grade oil in the lower tray, and the medium grade oil in the central tray.

The upper end of the standard has fastened thereon by means of threads a thimble or sleeve 14 which carries a sign plate 15, on which the name of the oils or other advertisement may be applied.

The invention having been set forth, what is claimed is:

A motor oil stand comprising a supporting standard including a base, a tray revoluble on the standard, said tray comprising inner and outer upper and lower round rings, wires of segment shape connecting the upper and lower inner and outer rings, and flat wires connected to the inner upper and lower rings, said flat wires extending a substantial distance down from the lower inner ring and then radially outwardly and being connected to the upper and lower outer rings.

In testimony whereof he affixes his signature.

JOHN J. MOFFA.