May 11, 1937. I. F. BRADLEY 2,079,835

COVER FOR WELLS AND CISTERNS

Filed Jan. 20, 1936

FIG. 1.

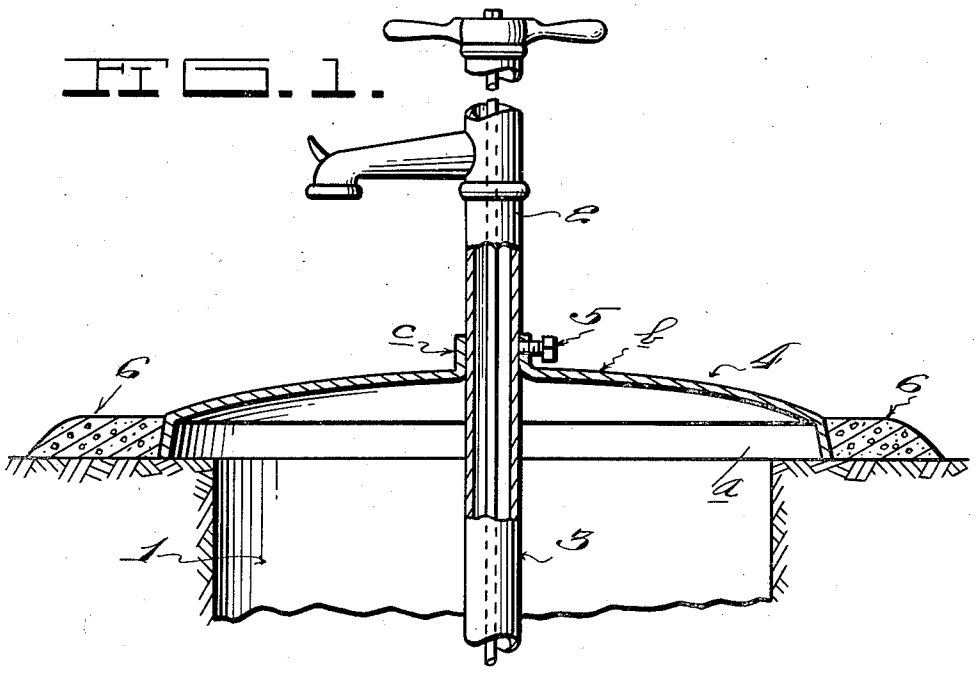


FIG. 2.

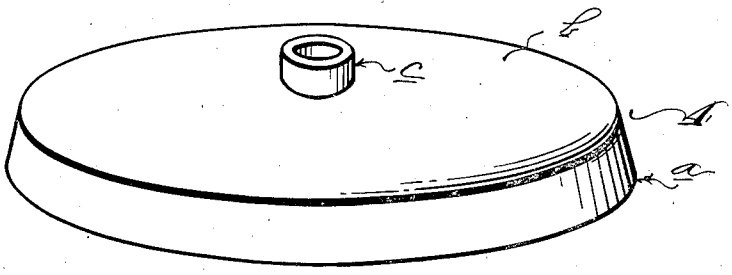


FIG. 4.

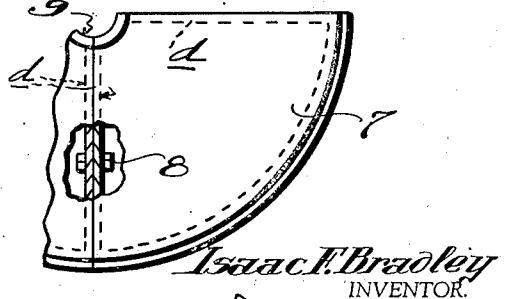
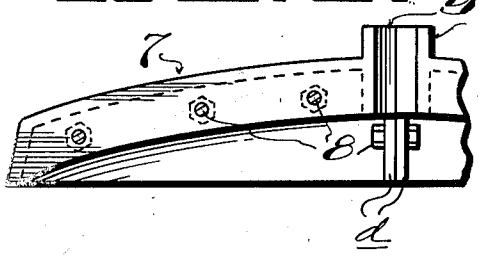


FIG. 3.



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COVER FOR WELLS AND CISTERNS

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Application January 20, 1936, Serial No. 59,846

1 Claim. (Cl. 166—14)

This invention relates to well covers and it has particular reference to a sanitary and safety cover for artesian and other wells.

The principal object of the invention is to provide an inexpensive article of manufacture designed to afford a sanitary and safety cover for wells, whereby to minimize accidents and to prevent unsanitary objects from being thrown into a well.

Another object of the invention is to provide a cover of the character specified, capable of being produced in one piece so that a number of the articles can be packed and shipped in nested relationship or, in a plurality of sections calculated to reduce materially the size of the shipment. In the latter case, assembling of the sections of the cover will require bolts or rivets, easy to install, hence the problem of assembling is one well within the skill of a person having ordinary mechanical knowledge.

With the foregoing objects as paramount, the invention has particular reference to its salient features of construction and arrangement of parts, which will become manifest as the description proceeds, taken in connection with the accompanying drawing, wherein:—

Figure 1 is a view of the invention in diametrical section as installed.

Figure 2 is a perspective view.

Figure 3 is a fragmentary view of a modified form of the invention in sections, and

Figure 4 is a plain view of a section, showing the means of attachment thereto of a similar section, shown fragmentarily.

Continuing with a more detailed description of the drawing, reference is primarily made to the preferred form of the invention shown in Figures 1 and 2. In these figures, 1 designates the well in which there is shown a conventional type of pump 2 with depending tubing 3.

The invention is comprised of the metal stamping 4, embracing the tubing 3, provided with a flared flange *a* and a belled top portion *b* for resistance against downward pressure.

The aperture through which is passed the tubing 3 is surrounded by a flange *c*, produced by drawing the material of the cover. This flange is tapped and threaded to receive the set screw 5 which bears against the pump tubing 3 to hold the cover against rotative displacement. It will be understood however, that the flange *c* as shown, may be substituted by a removable flange and collar if such is found to be necessary or desirable.

When the cover shown and described is set in place, it is desirable that a curbing 6 of concrete or other material be provided around the periphery. This precaution will prevent infiltration of contaminated surface water into the well, as well as insuring against the falling into the well of small animals, insects etc., likely to contaminate the water. Moreover, the curbing protects the surface shoulder of the well and prevents disintegration thereof.

In Figures 3 and 4 is shown a modified form of the invention. Substantially the same article as shown in Figures 1 and 2 is produced in the manner shown in Figures 3 and 4 in sections. As shown, the article is divided into four sections 7, cast preferably from light but sturdy material to provide flanges *d* disposed radially when the sections are assembled. These flanges are apertured to receive bolts 8 adapted to hold the sections in assembled relationship.

It will also be observed that the sections 7 are so formed as to provide portions to complete the ferrule or collar 9 to embrace the pump tubing when the sections are assembled.

Manifestly, the construction shown is capable of considerable modification and such modification as is considered within the scope and meaning of the appended claim is also considered within the spirit and intent of the invention.

I claim:

As a new article of manufacture, a cover for wells and cisterns comprising the combination of a plurality of associated castings, each consisting of a segment of a circle having boundary flanges, the outer peripheral flange being disposed at an acute angle relative to the base plane of said casting, the inner peripheral flange being disposed above and normal to said plane, and means for securing the radial flanges of said sections together.

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