CONTAINER FOR NAILS AND THE LIKE
Ann Kazimir Dvorak, New York, N. Y.
Application December 8, 1945, Serial No. 633,888
6 Claims. (C.L. 33—178)

This invention relates to new and useful improvements in a hanging container for nails and the like.

More specifically, the present invention proposes the construction of a hanging container of semi-spherical configuration and having two semi-spheres threaded together for containing nails and other similar devices such as screws and bolts, the bottom semi-sphere forming the receptacle of the container and the top semi-sphere forming the removable cover for the receptacle and having rows of holes for gauging the devices contained in the receptacle. That is, the top semi-sphere, if the container is to contain conventional nails, bolts and screws, will have three rows of gauged holes, one row being of cylindrically threaded holes for gauging bolts, another row being of tapered threaded holes for gauging screws and the third row being of smooth cylindrical holes for gauging nails.

Another object of the present invention is to provide a container as aforesaid in which the semi-spherical top is covered by a concentric semi-spherical cover rotatably mounted on the top and having holes adapted to mate with the holes of the top or to be offset therefrom depending upon the relative positions of the top and cover.

Still another object is to provide a container as aforesaid in which the aforesaid concentric cover is of magnetic material whereas the top of the container disposed therebeneath is of non-magnetic material.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following detailed description and accompanying drawings, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawing forming a material part of this disclosure:
Fig. 1 is an elevational view of a container constructed in accordance with this invention.
Fig. 2 is a central section through the container.
Fig. 3 is a section of the gauging container section.
Fig. 4 is a view, similar to Fig. 2, of a container constructed in accordance with a modification of this invention.
Fig. 5 is an elevational view of the container of Fig. 4.
The container, according to this invention, comprises a semi-spherical receptacle 10 having external threads 11 at its top, and a semi-spherical hood or top 12 having internal threads 13 screwed on the threads 11. The receptacle is adapted to contain such devices as nails 14, screws 15 and bolts 16.
The top 12 is provided at its center at the uppermost part thereof with a hook 17 to which a chain 18 is connected, the chain 18 having a ring 19 at its other end for attachment to a suitable support such as a hook on a chair (not shown). The bottom of the receptacle 11 has a flat surface 20 adapting the receptacle to be rested on a table or other flat support when the receptacle has been unscrewed from the top.
The top 12 forms a cover and also a support for the receptacle. It further forms a gauge for the devices contained in the receptacle. To this end, the top is provided with three circular rows of gauged holes extending horizontally around the top and also arranged radially around the hook 17. The top row consists of threaded cylindrical holes 21 of a varying range of sizes for gauging bolts. The middle row consists of threaded tapered holes 22 of a varying range of sizes for gauging screws. The bottom row consists of smooth cylindrical holes 23 of a varying range of sizes for gauging nails.

The order of the rows may, of course, be changed if desired. If the receptacle is only to contain nails, only the row of smooth holes will be provided. The same is true of screws and bolts, or any combination of the three devices.

The container may be made of any suitable material such as metal or plastic. Preferably the top will be made of metal to assure long life of the gauge threads and sizes therein.

The container of the present invention is of general household and shop utility, providing a convenient and attractive means of storing small devices such as nails, screws and bolts so that the same do not become scattered in kitchen or bureau drawers and further forms an attractive device for containing such devices, eliminating the need of concealing the container such as would be necessary if the container were merely the usual cigar box or other means that ordinary householders normally keep their nails, screws and bolts in. The instant container may be hung in any exposed position in the house and when so hung, will serve as an ornament.

It is further contemplated that the container will serve as a useful gauge device, combining the advantages of containing the nails, screws and bolts and further providing means of accurately selecting the particular size desired. The rows of holes are calibrated by size marks placed at
the bottoms of the radial rows, as is clearly shown in Fig. 1. It is further contemplated that the container will serve as a useful educational toy for children, enabling them to find amusement in trying to fit the various nails, screws and bolts in their appropriate gauge holes, at the same time incidentally teaching them the meaning of gauge sizes and how to determine same.

Not only may nails, screws and bolts be kept in the receptacle, but each hole in the top may normally contain one of these devices, acting as a further retainer for nails, screws and bolts, and enabling the person owning the container to quickly obtain the correct size device for his purpose. After he has taken one of the devices from one of the holes, he can replace it in the receptacle at his leisure.

A container constructed in accordance with a modification of this invention is shown in Fig. 4. It includes all the structure of the container in Figs. 1–3, and accordingly similar parts are indicated by like references with an accent added. It distinguishes from the container of Figs. 1–3 in that a cover 24, concentric with the top 12 and slightly larger than top 12, is rotatably mounted on the top, the cover 24 having a flange 25 bent over the bottom edge of the top 12. The hook 17 extends through the cover 24, aligning and securing the cover 24 at its top to the top 12. A washer 26, concentric with the top and spaces the cover 24 and the top 12, insuring free rotation of the cover relative to the top about the shaft of the hook 17.

The cover has holes adapted to match corresponding holes of the top 12 so that the holes may be aligned therewith for gauging nails, screws and bolts, or may be offset from the holes of the top 12 so that all the holes of both the cover 24 and the top 12 are covered to prevent dirt from filtering into the inside of the container. Thus the cover has a row of holes 27 corresponding to holes 21, a row of holes 28 corresponding to holes 22 and a row of holes 29 corresponding to holes 23.

The top 12 is made of non-magnetic material, such as plastic, or, when metal is preferred, such as brass. The cover 24 is made of magnetic iron. This provides the added advantage that the gauged holes of the cover are magnetic whereas the top 12 is non-magnetic, accordingly exerting no influence on the nails, bolts and screws in the receptacle. This is of particular advantage when the receptacle contains steel bolts and screws.

The magnetic cover has certain advantages. It provides means for holding nails, screws and bolts which have been selected from the receptacle until they are used. That is, a person may wish, for example, six bolts of a certain size. He may open the receptacle, gauge different bolts until he has found one, lay it on the cover top to which it will adhere until he has gauged another similar bolt, lay this on the cover to which it will adhere, and so on until he has found his six bolts. The bolts will adhere to the cover until each has been taken off for use, the cover thus maintaining the bolts ready in convenient position for use so that they do not become dropped or mislaid. Furthermore, in the case of the nails stored in the cylindrical gauged holes, the magnetic cover will retain the nails in their respective holes until used, preventing them from falling out. Thus all the gauged holes for nails may contain nails ready for selection.

A further advantage, from the standpoint of an educational toy, is that the magnetic cover affords amusement to the child using the container, and further increases his knowledge of magnetism.

The magnetic cover also provides means for determining the metal of the nail, screw or bolt being employed.

Since the cover 24 is rotatable relative to the top 12, and since the top 12 must be held against rotation when the receptacle 10 is being unscrewed, the cover is provided with diametrically opposite tapered slits 30 whereby the cover can be squeezed sufficiently in the hand to firmly hold the top 12 during unscrewing of the receptacle 10.

While I have illustrated and described the preferred embodiments of my invention, it is to be understood that I do not limit myself to the precise constructions herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claims.

States Letters Patent is:

1. A container for nails and screws comprising a semi-spherical receptacle having a flat bottom and external threads at its top, a semi-spherical hood having internal threads at its bottom screwed on said external threads, said hood having a row of smooth cylindrical gauged holes for gauging said nails and a row of tapered threaded holes for gauging said screws, and a semi-spherical cover concentric with and superimposed on said hood for rotation relative thereto, said cover having rows of holes corresponding to said rows of holes in said hood whereby corresponding holes can be aligned when gauging nails and screws, and can be offset to cover said holes when not in use to prevent admission of dirt to said receptacle.

2. A container for nails and screws comprising a semi-spherical receptacle having a flat bottom and external threads at its top, a semi-spherical hood having internal threads at its bottom screws on said external threads, said hood having a row of smooth cylindrical gauged holes for gauging said nails and a row of tapered threaded holes for gauging said screws, and a semi-spherical cover concentric with and superimposed on said hood for rotation relative thereto, said cover having rows of holes corresponding to said rows of holes in said hood whereby corresponding holes can be aligned when gauging nails and screws, and can be offset to cover said holes when not in use to prevent admission of dirt to said receptacle.

3. A container for nails and screws comprising a semi-spherical receptacle having a flat bottom and external threads at its top, a semi-spherical hood having internal threads at its bottom screwed on said external threads, said hood having a row of smooth cylindrical gauged holes for gauging said nails and a row of tapered threaded holes for gauging said screws, and a semi-spherical cover concentric with and superimposed on said hood for rotation relative thereto, said cover having rows of holes corresponding to said rows of holes in said hood whereby corresponding holes can be aligned when gauging nails and screws, and can be offset to cover said holes when not in use to prevent admission of dirt to said receptacle.
2,475,450

5 of said cover part way to the top thereof whereby said cover can be squeezed on said hood to hold same against rotation during unscrewing of said receptacle.

4. A container for nails and screws comprising a semi-spherical receptacle having a flat bottom and external threads at its top, a semi-spherical hood having internal threads at its bottom screwed on said external threads, said hood having a row of smooth cylindrical gauged holes for gauging said nails and a row of tapered threaded holes for gauging said screws, and a semi-spherical cover concentric with and superimposed on said hood for rotation relative thereto, said cover having rows of holes corresponding to said rows of holes in said hood whereby corresponding holes can be aligned when gauging nails and screws, and can be offset to cover said holes when not in use to prevent admission of dirt to said receptacle, and means for retaining said cover on said hood including a hook extending through the uppermost portions of said cover and hood and a flange on the bottom of said cover underlying the bottom of said hood.

5. A gauging container for fasteners, comprising a semi-spherical container having a seat on the side thereof and coupling means on its wall located at the edge thereof, a semi-spherical hood for said container having coupling means to engage the edge coupling means of the container and provided with gauging holes extending through the wall thereof and gradually increasing in diameter in progressive stages, and a cover of corresponding semi-spherical shape to the hood pivotally connected to the top center of the hood and provided with an turned edge flange disposed contiguous to the edge of the hood, said cover having a smaller number of holes than said hood which can be successively aligned with any of the holes of the hood by turning said cover on said hood, said pivot having hanging means extending above the same.

6. A gauging container for fasteners comprising a bottom container for fasteners and having an open top, a hood closing the open top of said container and being separable from said container by rotation relative thereto, said hood being formed with a plurality of gauging holes, a cover of a shape corresponding to said hood engaged over said hood, said cover being formed with gauging holes aligned with the gauging holes of said hood, and means rotatively connecting said cover to said hood for concentric rotation relative to said hood to disalign the gauging holes to close the same, said cover being formed with a slit extended in from the free edge thereof permitting said cover to be squeezed together to grip said hood so that said cover and said hood can be rotated as a unit relative to said container to separate said hood from said container.

ANN KAZIMIR DVORAK.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

<table>
<thead>
<tr>
<th>Number</th>
<th>Name</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>741,903</td>
<td>Gates</td>
<td>Oct. 20, 1903</td>
</tr>
<tr>
<td>973,078</td>
<td>Seavey</td>
<td>Oct. 16, 1910</td>
</tr>
<tr>
<td>1,156,112</td>
<td>Taylor</td>
<td>Oct. 12, 1915</td>
</tr>
<tr>
<td>1,159,025</td>
<td>Hess</td>
<td>Nov. 2, 1915</td>
</tr>
<tr>
<td>1,948,598</td>
<td>Barnes</td>
<td>Mar. 8, 1932</td>
</tr>
<tr>
<td>1,874,517</td>
<td>Hartness</td>
<td>Aug. 30, 1932</td>
</tr>
<tr>
<td>1,950,469</td>
<td>Barwood</td>
<td>Mar. 13, 1934</td>
</tr>
<tr>
<td>2,086,631</td>
<td>Munro</td>
<td>July 13, 1937</td>
</tr>
<tr>
<td>2,168,452</td>
<td>Ordal</td>
<td>Aug. 9, 1939</td>
</tr>
<tr>
<td>2,228,827</td>
<td>Holzhaeuser</td>
<td>Jan. 14, 1941</td>
</tr>
<tr>
<td>2,242,980</td>
<td>Nicholas</td>
<td>May 20, 1941</td>
</tr>
<tr>
<td>2,267,008</td>
<td>Zimmer</td>
<td>Dec. 23, 1941</td>
</tr>
<tr>
<td>2,436,607</td>
<td>Rosenthal</td>
<td>Feb. 24, 1948</td>
</tr>
</tbody>
</table>