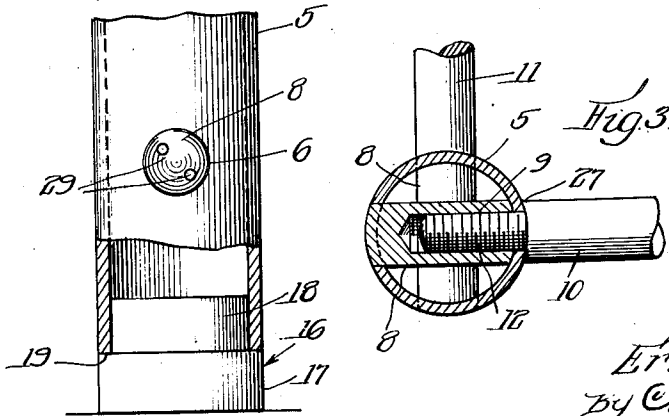
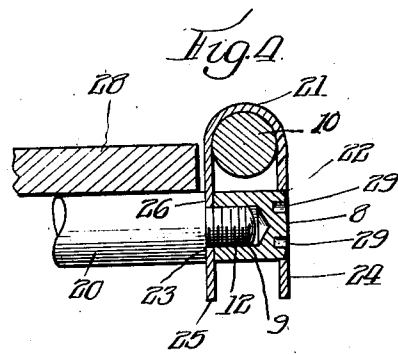
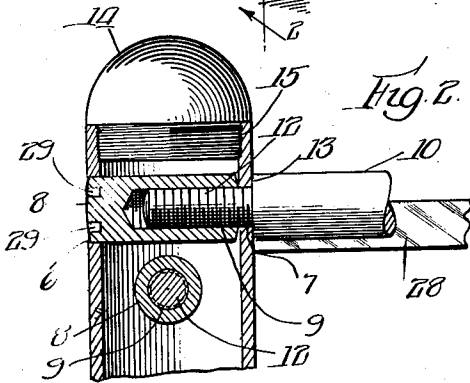
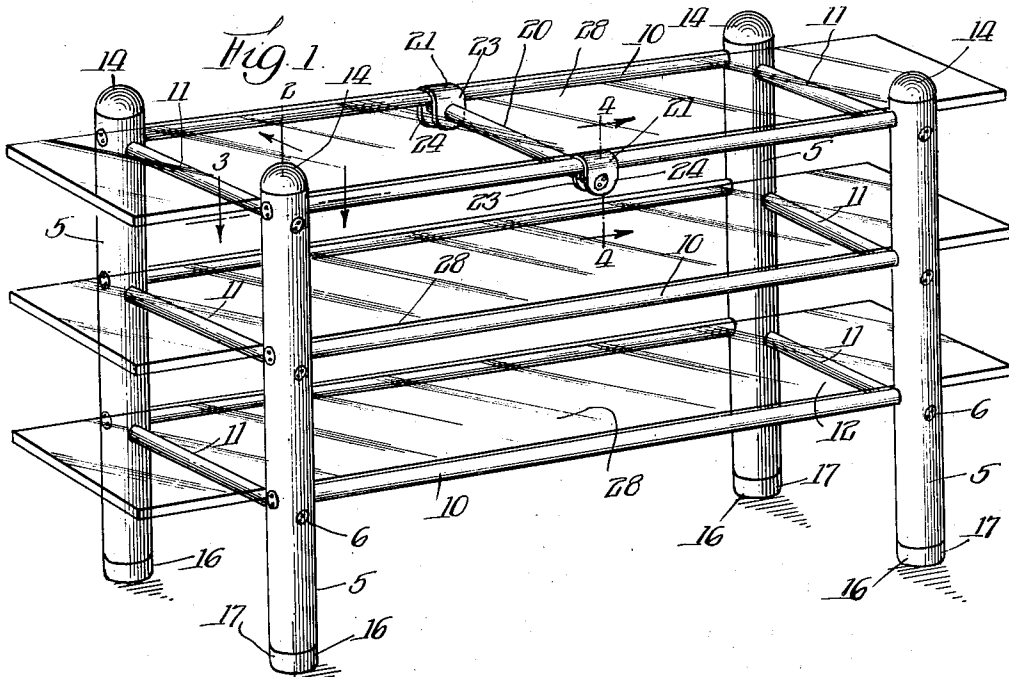


Feb. 25, 1930.

E. C. SAEMISCH
SANITARY DISPLAY STAND

1,748,656

Filed June 20, 1929



Inventor:
Erich C. Saemisch,
by Cheever, Cox & Moore
attys

UNITED STATES PATENT OFFICE

ERICH C. SAEMISCH, OF CHICAGO, ILLINOIS

SANITARY DISPLAY STAND

Application filed June 20, 1929. Serial No. 372,262.

This invention relates to display stands in general and particularly to display stands of the type which can be readily assembled or "knocked down."

5 The primary object of the invention is to provide a novel sanitary display stand which has all the connecting members thereof tightly fitting together to eliminating open joints and prevent dirt and dust from col-
10 lecting.

Another object is to provide an improved display stand which can be easily kept clean, which will attractively display articles, particularly bakery goods and the like, which is
15 simple and rigid in construction, and which can be readily and economically manufactured.

Another object is to provide a sanitary display stand which has improved means for
20 supporting glass shelves.

The invention comprises in general a plurality of hollow uprights which are provided with oppositely alined holes. Plugs having threaded openings are inserted in one of
25 these holes and receive the threaded end projecting from the shelf bearers and extend through the other alined hole. The edges of the bearers abut the uprights and conform with the contour thereof to eliminate open
30 joints and prevent dirt from accumulating at the points where the bearers join the uprights. The plugs which are arranged in the uprights have their outer edges substantially flush with the outside of the uprights.

35 These plugs have engagement with a threaded end projecting from the bearers and are operated to hold the bearers in position on the uprights. A foot which is preferably made of rubber has its outer periphery substantially flush with the outer periphery
40 of the uprights, and it is provided with a projection which is received inside of the uprights. A hemi-spherical top has threaded engagement with the top of the uprights, and
45 the diameter of this top is substantially the same as the diameter of the uprights so that when it is screwed in place, a smooth surface is provided and no open joints will exist to catch dirt. An intermediate bearer which is
50 the same height as the cross bearers is ar-

ranged between the longitudinal bearers and supported thereby. Glass shelves are supported by the cross and intermediate bearers to display bakery goods and other like
55 articles.

The accompanying drawing illustrates a selected embodiment of the invention and the views therein are as follows:

Fig. 1 is a perspective view of the improved sanitary display stand.

Fig. 2 is a detail sectional view on the line 2—2 of Fig. 1.

Fig. 3 is a detail transverse sectional view on the line 3—3 of Fig. 1.

Fig. 4 is a detail vertical sectional view
60 on the line 4—4 of Fig. 1.

Referring to the drawing, 5 designates uprights which are provided with a plurality of holes 6 and 7. Plugs 8 are inserted in the holes 6 and are provided with a threaded
70 hole 9 which alines with the hole 7 in the upright. Longitudinal bearers 10 and transverse bearers 11 have a reduced end 12 providing a shoulder 13. The reduced end 12 is threaded and extends through the hole 7
75 and threadedly engages the plug 8.

A hemi-spherical top 14 has a threaded end 15 which screws into the top of the uprights. The diameter of this hemi-spherical top is substantially the same as the diameter
80 of the uprights and is tightly screwed into the uprights so that the outside thereof is flush with the uprights and provides a smooth uninterrupted surface.

A rubber foot 16 which is substantially the same diameter as that of the uprights, has a base 17 and a projection 18 is formed thereon which extends upwardly into the uprights. This projection is smaller in diameter than the base portion and forms an
85 annular shoulder 19 which supports the bottom of the uprights.

The longitudinal bearers 10 are arranged above the cross bearers 11 and support an intermediate cross bearer 20 which is substantially the same height as the transverse bearers 11.

U-shaped straps 21 are provided with holes 22 and 23 in their legs 24 and 25 and fit over the longitudinal bearers 10. The hole 22 in
100

the leg 24 is the same size as the holes 6 in the uprights and receives one of the plugs 8. The hole 23 in the leg 25 is the same size as the holes 7 in the uprights and receives the threaded end 12 of the intermediate cross bearer 20. The plugs 8 fit into the straps 21 and are supported thereby in the same manner in which the plugs are received in the uprights. The outer face of the plug is substantially flush with the outside of the leg 24 on the strap, and the top of the strap is rounded to provide a smooth surface which can be easily kept clean. The plugs 8 are inserted in the straps in exactly the same manner as they are received in the uprights. The intermediate bearers have square shoulders 26 as they bear against the flat sides of the straps, while the cross and longitudinal bearers are dished vertically at 27, Fig. 3, so that they conform with the curved uprights. This construction provides a smooth tight connection and eliminates open joints in which dirt would collect.

Removable glass shelves 28 are mounted on the cross bearers 11 and the intermediate cross bearer 20 and are arranged between the straps 21.

The plugs 8 are provided with holes 29 to receive a tool for rotating the plugs to tighten the bearers or members in place.

The invention provides a display stand which has no open joints so that it can be kept sanitary. The bearers have a tight connection with the uprights, thereby eliminating pockets for dirt to collect. While the present stand has its members made round, it is to be understood that these members may be made square or any other shape. It is preferable, however, that the members be made round as the stand can be kept clean and sanitary with little effort. In practice, the parts which comprise the stand are polished so that it can be quickly cleaned and present a neat, attractive appearance. The shelves are removable and can easily be taken down and washed. Where a smaller stand is used than the one shown in the present case, the intermediate bearers can be dispensed with as they are only used to support the shelves intermediate their ends.

Changes may be made in the form, construction and arrangement of the parts without departing from the spirit of the invention or sacrificing any of the advantages thereof, and the right is hereby reserved to make all such changes as fairly fall within the scope of the following claims.

The invention is hereby claimed as follows:

1. A display stand comprising uprights, plugs rotatable in said uprights and entirely housed therein, longitudinal members threadedly engaging some of said plugs, cross members spaced below said longitudinal members and threadedly engaging other of said plugs,

intermediate cross members supported by said longitudinal members and at the same height as said cross members, and shelves being arranged between said longitudinal uprights and supported by said cross members and said intermediate cross members.

2. A sanitary display stand comprising uprights, spaced longitudinal members connecting said uprights, spaced cross members connecting said uprights and arranged below the plane of the longitudinal members, plugs in said uprights, straps engaging said longitudinal members, legs on each of said straps and having alined holes therein, an intermediate cross member at the same height as said cross members and having reduced threaded ends engaging the alined holes in each of said straps, and plugs in the alined holes in said legs and threadedly engaging said intermediate member, said plugs being flushed with the outer faces of said legs, all of said plugs being rotatable and having threaded tightening engagement with said members.

3. A sanitary display stand comprising vertical hollow uprights, rotatable plugs totally housed in said uprights, shelf bearers having reduced ends and forming shoulders for abutting said uprights, said shoulders conforming with the configuration of the uprights to make a tight sanitary joint, said reduced ends threadedly engaging the plugs, and shelves supported by some of said bearers.

4. A sanitary display stand comprising tubular uprights, rotatable plugs arranged within the periphery of said uprights and having threaded sockets, shelf bearers having reduced ends which extend through the uprights and threadedly engage the sockets in the plugs, said reduced ends providing shoulders, the shoulders being concaved to conform with the shape of the uprights to make a tight sanitary joint, and shelves removably supported by some of said bearers.

5. A sanitary display stand comprising hollow cylindrical uprights having pairs of alined holes therein, one alined hole of each pair being larger than the other alined hole, a rotatable plug arranged in each of the larger holes and having a threaded socket provided therein substantially the same size as the smaller holes, and shelf bearers having reduced threaded ends extending through the smaller holes and threadedly engaging the sockets in the plugs, said reduced ends providing shoulders which abut the outside of the uprights.

6. A sanitary stand for displaying bakery goods and the like comprising hollow cylindrical uprights having open interiorly screw threaded tops, plugs rotatably housed in said uprights and having an outer surface substantially flush with the outside of the uprights, longitudinal and cross members hav-

ing reduced ends extending through one side
of the uprights and threadedly engaging the
plugs, said reduced ends providing shoulders,
the shoulders being concave to make a tight
5 fit against the uprights, substantially semi-
spherical caps engaging the screw threaded
tops of the uprights and flush with the pe-
riphery of the uprights, and shelves sup-
ported by the cross members between the
10 longitudinal members.

In witness whereof, I have hereunto sub-
scribed my name.

ERICH C. SAEMISCH.

15

20

25

30

35

40

45

50

55

60

65