June 9, 1964 YASUJI SAKUMA 3,136,426

UMBRELLA STAND

Filed July 26, 1961

Fig. 1

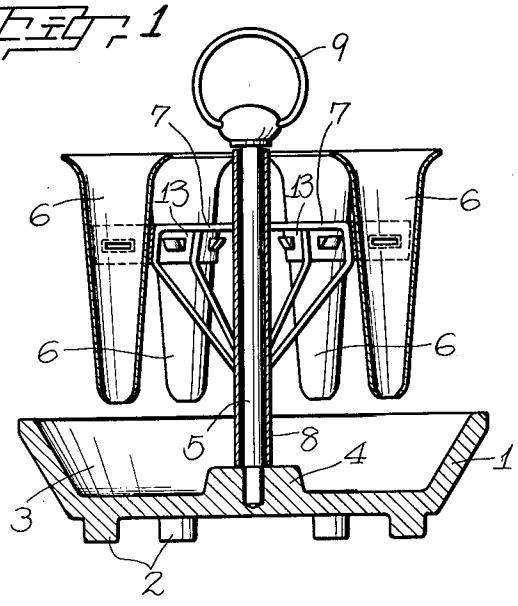
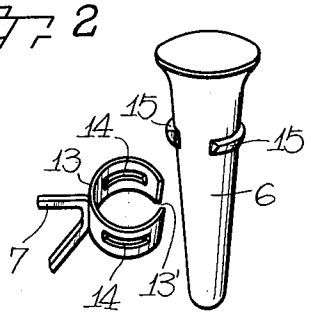


Fig. 2



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UMBRELLA STAND

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This invention relates to an improvement in an umbrella stand particularly a stand for supporting the umbrellas on the point of the shaft or the adjoining part of the shaft. With the stand according to the invention, several umbrellas can be supported in a circular group by the use of an umbrella receiving metal fixture which revolves around a center axis. The drainage of rain water and rain drops from the metal supporters of the stand has been improved as well as the method of attaching the fixture to the stand. Furthermore, the stand has been fabricated so that the umbrellas can easily be inserted or removed at will.

The object of this invention is to provide an umbrella stand which will support the umbrella on the point of the shaft or on an adjoining area. Another object of this invention is to provide a structure in which, because the umbrellas are supported on a center axis as mentioned above, rotation of the umbrellas on the center axis can be performed at will, and in which insertion and removal of the umbrellas can be done smoothly and in an orderly manner.

A further object of this invention is to provide an umbrella stand in which the metal fixtures for receiving the umbrellas are strengthened and in which there is a logical drainage system for improving the heretofore poor drainage of rain water and rain drops which occurs due to the umbrella points being tightly inserted into the metal fixture for receiving the umbrellas. Another object of this invention is to provide means to attach the umbrella receiving metal fixtures simply and effectively without unduly affecting the supported umbrellas and to so attach such fixtures that in the event that removal of these fixtures is necessary for replacement or for other reasons, it can be readily done.

The umbrella stand according to this invention is compact as is possible, occupies very little space and also since it has very few fabricated parts, labor costs for its manufacture are reduced, thereby permtting sale of the stand at a low price, and at the same time not only can it be readily transported and moved around, but it will accommodate several umbrellas. The umbrella stand is physically stable, umbrellas can be simply inserted and removed, drainage is good and the umbrella receiving metal fixture for supporting the umbrella can be easily attached without affecting the supported umbrellas. Furthermore, by making it simple to attach or detach the metal fixtures, the metal fixtures are easily replaceable.

The invention will now be explained more fully in connection with the accompanying drawings, in which—

FIGURE 1 is a vertical sectional vew of one embodiment of the umbrella stand of this invention;

FIGURE 2 is a perspective view of parts of the stand shown in FIGURE 1.

The umbrella stand of this invention basically has leg supports **2** on the bottom of a base **1**. The base is in the shape of a dish for receiving water in the upwardly open bowl **3**. In the center of the bowl **3** is a raised seat **4** and an upright support member **5** is threaded into the seat **4**. Coaxial with and rotatable on the support member **5** is a tubular member **8** having a plurality of support arms **7** mounted thereon and extending radially of the tubular member **8** and equidistantly spaced around the circumference thereof. A hollow truncated conical umbrella receiving member **6** is fixedly mounted on the free end of each support arm, the conical umbrella receiving member diverging upwardly and flaring outwardly at the open top and having an inwardly rounded flange at the open lower end. The umbrella receiving member is adapted to receive and support a folded umbrella by engagement only with the folded fabric canopy of the umbrella.

The tubular member **8** is prevented from coming off the top of support **5**, and to facilitate freedom in transporting and moving the umbrella stand, ring **9** is securely attached to the top of support **5**. The base **1** of the umbrella stand is made of sufficiently heavy cast metal to make the umbrella stand stable when umbrellas are inserted into the aforementioned umbrella receiving metal members. The tubular member **8** which supports the umbrella receiving metal members **6** rotates freely around support **5**, so that for example if the umbrella stand is placed in the corner of an entrance hall, the umbrella inserted in the front is easily rotated to the back so that insertion of the next umbrella will not be obstructed. When removing the inserted umbrellas, the rotation is utilized in a similar manner, and the umbrellas can easily be removed. Because of this arrangement the weight of the umbrellas inserted in the several umbrella receiving metal members equidistantly spaced around the tubular member **8** will not cause the umbrella stand to tilt, but it will have good stability. Also the umbrella receiving metal members **6** themselves have the top and bottom open and the bottom has a smaller diameter so that the part that contacts the umbrella conforms to the shape of the umbrella as closely as possible and supports the folded umbrella canopy with good stability.

In order to provide freedom in attaching the umbrella receiving metal member **6** to the support arm **7** or removing it therefrom, the arrangement clearly illustrated in FIG. 2 can be used.

Attached to the outer end of the support arm **7** is a laterally open spring clip **13** having two arms made of spring-like metal which are bent in a circular shape with a lateral opening **13'** between the ends thereof and open attaching slots **14** extending along the arms. On the upper part of the umbrella receiving metal member **6** are protrusions **15** located at positions opposite each other. The metal clip **13** will clamp around the metal member **6** with the protrusions extending into the slits **14**. Therefore the umbrella receiving metal member **6** supported by the metal clip **13** under spring pressure can easily be removed by opening the spring clip. If the umbrella receiving metal member **6** is attached to the support arm **7** in this fashion so as to provide ease in attaching and detaching the metal fixture, removal of the umbrella receiving metal member when necessary for cleaning or replacement is very convenient. Furthermore, by attaching different colored metal members **6** and by arranging the colors, an interesting stand can be made.

It is thought that the invention and its advantages will be understood from the foregoing description and it is apparent that various changes may be made in the form, construction and arrangement of the parts without departing from the spirit and scope of the invention or sacrificing its material advantages, the forms hereinbefore described and illustrated in the drawings being merely a preferred embodiment thereof.

I claim:

An umbrella stand comprising an upwardly dished open base, an upright member in the center of said base, a tubular member coaxial with said upright member and rotatable thereon, a plurality of support arms on said tubular member extending radially thereof and equidistantly spaced around the circumference thereof, and a

hollow truncated conical umbrella receiving member fixedly mounted on the free end of each support arm, said conical umbrella receiving member diverging upwardly and flaring outwardly at the open top end and having an inwardly rounded flange at the open lower end for receiving and supporting a folded umbrella by engagement only with the folded fabric canopy of the umbrella, each support arm having a laterally open spring clip at the end thereof having two spring arms thereon each having a slot therein extending along at least part of the length of said arms, and said conical umbrella receiving member having a plurality of protrusions on the exterior surface thereof extending circumferentially and having the lower surfaces tapering upwardly to their intersection with the upper surfaces, said protrusions being engageable in the slots in said arms, whereby said umbrella receiving members are mounted on said support arms with the spring clips holding the umbrella receiving members and the protrusions engaged in said slots in said spring clip arms.

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