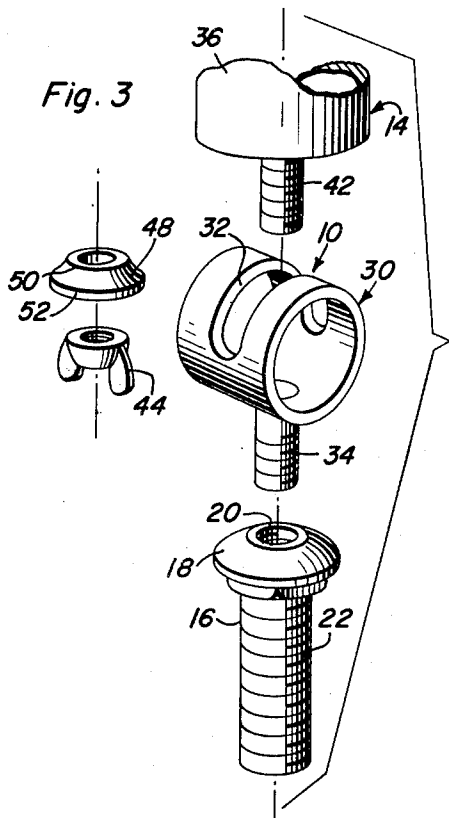
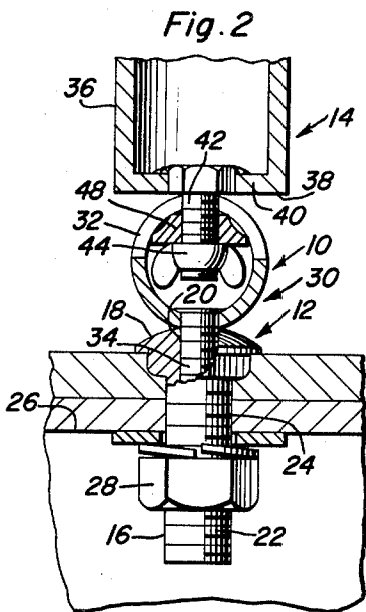
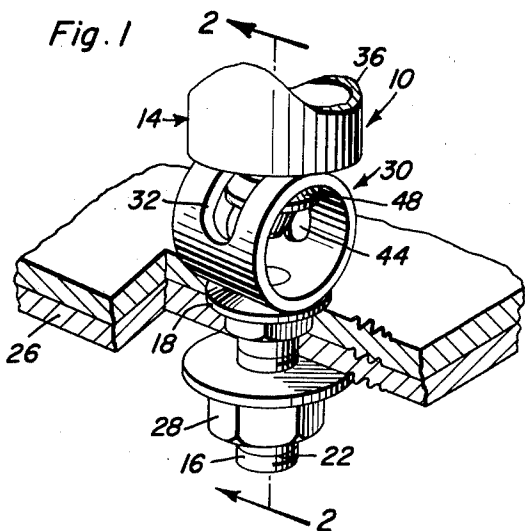


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DETACHABLE POLE HOLDER
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DETACHABLE POLE HOLDER

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3 Claims. (Cl. 248-40)

This invention relates to a novel and useful detachable pole holder and more specifically to a pole holder which is primarily adapted to provide a means whereby a socket member for receiving the lower end of a pole may be supported from a mounting assembly for movement about an upstanding axis and also for pivotal movement about an axis disposed at substantially 90° relative to the first mentioned axis.

There are many instances when it is desirable to be able to adjustably support the lower end of a flagpole or fishing pole and other similar standards.

While there have been previous attempts to provide a pole holder or the like for supporting the lower end of a pole and the upper end of the pole for swinging movement about an axis extending transversely of the lower end of the pole, most devices designed for this purpose have been either too expensive to produce or they have not been provided with efficient means for releasably retaining a flagpole or the like in any one of an infinite number of positions swung about an axis extending transversely of the lower end of the pole.

It is therefore the main object of this invention to provide a pole holder which will be capable of supporting a pole in an upright position and in a manner whereby the upper end of the pole may be swung to and releasably retained in any one of an infinite number of positions about an axis extending transversely of the lower end of the pole.

A further object of this invention, in accordance with the immediately preceding object, is to provide a pole holder which will also include means whereby the lower end of the pole is also supported for adjustable positioning about a substantially vertically disposed axis.

Still another object of this invention is to provide a pole holder that may be readily manufactured so as to be adapted to support poles of different diameters.

A final object of this invention to be specifically enumerated herein is to provide a pole holder in accordance with the preceding objects which will conform to conventional forms of manufacture, be of simple construction and easy to use so as to provide a device that will be economically feasible, long lasting and relatively trouble free in operation.

These together with other objects and advantages which will become subsequently apparent reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming a part hereof, wherein like numerals refer to like parts throughout, and in which:

FIGURE 1 is a fragmentary perspective view of the pole holder of the instant invention showing the manner in which it may be secured to a suitable supporting surface;

FIGURE 2 is a fragmentary vertical sectional view taken substantially upon the plane indicated by the section line 2-2 of FIGURE 1; and

FIGURE 3 is an exploded perspective view of the portions of the pole holder illustrated in FIGURES 1 and 2.

Referring now more specifically to the drawings the numeral 10 generally designates the detachable pole holder of the instant invention which may be seen to include a base assembly generally referred to by the reference numeral 12 and a pole supporting member generally referred to by the reference numeral 14.

The base assembly 12 comprises a headed shank type fastener 16 whose head end 18 has a longitudinal blind

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bore 20 formed therein which is threaded. The shank 22 of the fastener 16 is externally threaded and is adapted to be passed through any suitable bore 24 formed in a support member 26. A nut 28 or similar member is threadedly engaged with the shank 22 to secure the fastener 16 through the support member 26.

The base assembly 12 includes a cylindrical member generally referred to by the reference numeral 30 which has a circumferential slot 32 formed therein that extends approximately one-half way around the cylindrical member 30. The cylindrical member 30 includes an externally threaded shank member 34 which projects generally radially outwardly therefrom. The shank member 34 is disposed diametrically opposite the slot 32 and is threadedly engaged in the bore 20 whereby the cylindrical member 30 is mounted for rotation about the longitudinal axis of the shank member 34.

The pole supporting member 14 comprises a hollow cylindrical body 36 having a closure wall 38 at one end thereof whose outer surface 40 comprises an abutment surface for engagement with the outer surfaces of the slotted portion of the cylindrical member 30. A threaded shank member 42 projects outwardly from the end wall 40 and generally parallel to the longitudinal axis of the cylindrical body 36. The shank member 42 is slidingly received through the slot 32 and is secured therethrough by means of a wing nut 44 which is threadedly engaged with the lower end of the shank member 42 and prevents withdrawal of the free end of the latter through the slot 32.

An annular washer 48 is disposed on the shank member 42 between the wing nut or fastener 44 and the slotted cylindrical member 30. The washer 48 includes means defining a pair of annular ridges 50 and 52 that are spaced axially of the washer and are of diameters enabling each of the ridges to frictionally grip and bite into the portions of the slotted cylindrical member 30 defining opposite sides of the slot at each of two points spaced longitudinally along the slot 32. In this manner, eight individual points of contact are provided between the washer 48 and the slotted cylindrical member. The cylindrical body 36 may therefore be rigidly supported in adjusted positions upon the tightening of the wing nut 44. In addition, the seating of the shank member 34 within the bore 20 will fix the shank member 34 against rotation relative to the fastener 16. However, by backing the shank member 34 out of the bore 20 one turn the shank member 34 will be free to rotate relative to the shank 22.

The cylindrical body 36 comprises a pole supporting member adapted to removably support a pole and its upper end is open so as to telescopically receive the lower end of a pole which is to be supported. If it is desired, any type of pole supporting member such as a clamp or the like may be substituted for the cylindrical body 36 as long as that pole supporting member is provided with an abutment surface such as surface 38 and the shank member 42.

The foregoing is considered as illustrative only of the principles of the invention. Further, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction and operation shown and described, and accordingly all suitable modifications and equivalents may be resorted to, falling within the scope of the invention as claimed.

What is claimed as new is as follows:

1. A detachable pole holder comprising a base assembly adapted to be secured to a suitable supporting member, said base assembly including a cylindrical member having a circumferential slot formed therein intermediate its opposite ends, a pole supporting member adapted to removably support a pole, said pole supporting member

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including an abutment surface from which a shank member projects, said shank member being swingable through said slot with said abutment surface disposed in abutting engagement with the outer surfaces of the adjacent portions of said cylindrical member, and a removable fastener threadedly engaged with the free end of said shank member disposed through said slot and clampingly engaging said adjacent portions of said cylindrical member between said abutment surface and said fastener, said slot extending generally one-half the circumference of said cylindrical member, said cylindrical member including a threaded shank portion which projects generally radially outwardly from the portion of said cylindrical member remote from said slot, said base assembly including a threaded bore in which said last mentioned shank is threadedly engaged.

2. A detachable pole holder comprising a base assembly adapted to be secured to a suitable supporting member, said base assembly including a cylindrical member having a circumferential slot formed therein intermediate its opposite ends, a pole supporting member adapted to removably support a pole, said pole supporting member including an abutment surface from which a shank member projects, said shank member being swingable through said slot with said abutment surface disposed in abutting engagement with the outer surfaces of the adjacent portions of said cylindrical member, and a removable fastener threadedly engaged with the free end of said shank member disposed through said slot and clampingly engaging said adjacent portions of said cylindrical member be-

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tween said abutment surface and said fastener, an annular washer disposed on said shank between said fastener and the slotted cylindrical member, the side of said washer remote from said fastener including means defining a pair of annular ridges spaced axially of said washer and of diameters enabling each of said ridges to frictionally grip and bite into the portions of said cylindrical member defining opposite sides of said slot at each of two points longitudinally of said slot thereby providing eight individual points of contact between said washer and said cylindrical member, and slot extending generally one-half the distance around said cylindrical member and including a threaded shank portion which projects generally radially outwardly from the portion of said cylindrical member remote from said slot, said base assembly including a threaded bore in which said last mentioned shank is threadedly engaged.

3. The combination of claim 2 wherein said pole supporting member comprises a hollow cylindrical body including a closure wall at one end whose outer surface comprises said abutment surface.

References Cited in the file of this patent

UNITED STATES PATENTS

501,911	Bergmann	July 25, 1893
1,084,261	Ewing	Jan. 13, 1914
1,257,536	Schroeder	Feb. 26, 1918
1,271,596	Mayer	July 9, 1918
1,578,634	Borgmann	Mar. 30, 1926