Oct. 9, 1923. 1,470,320

L. P. BOLANDER

COUNTERBALANCED FLAGPOLE

Filed Feb. 17, 1923

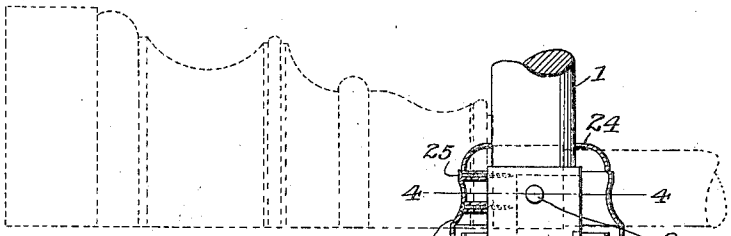


Fig. 2.

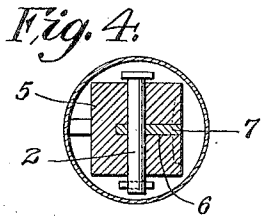



Fig. 4.

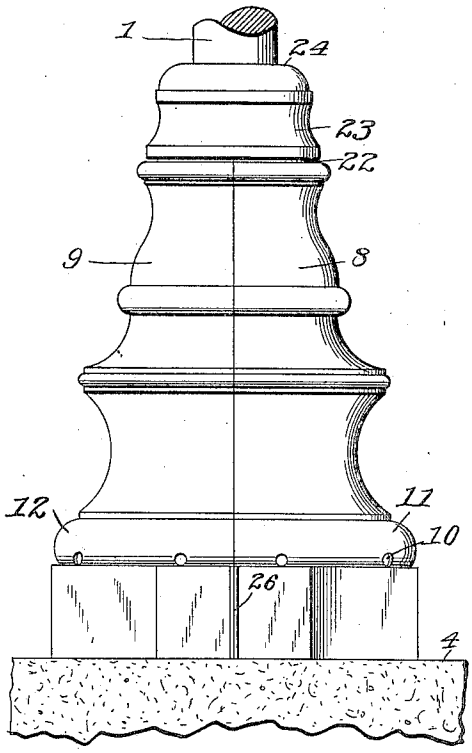
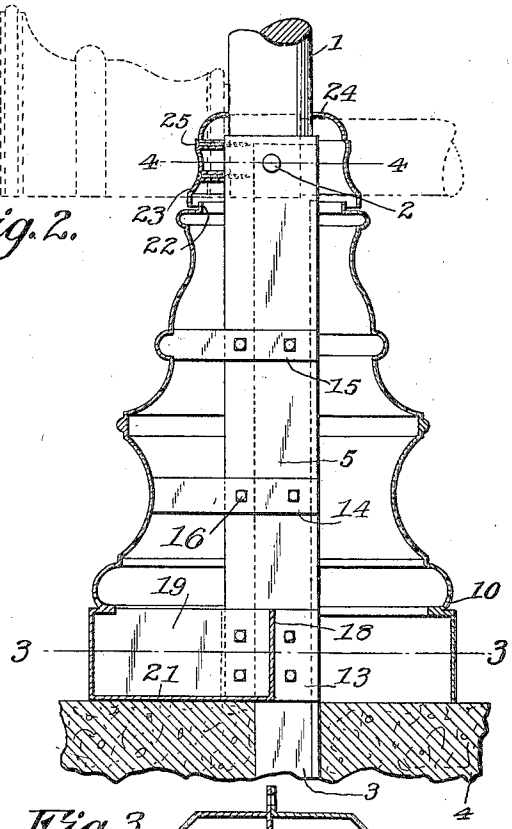



Fig. 1.



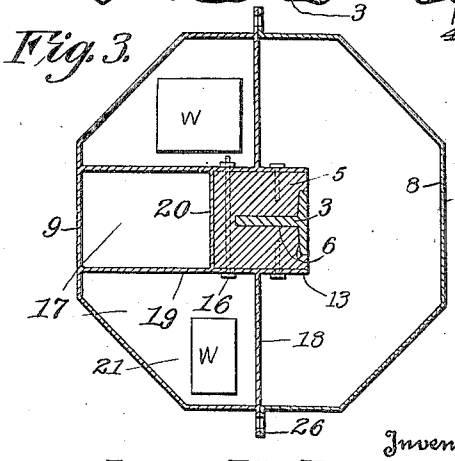




Fig. 3.

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Patented Oct. 9, 1923. 1,470,320

# UNITED STATES PATENT OFFICE.

LOUIS PH. BOLANDER, OF SAN FRANCISCO, CALIFORNIA, ASSIGNOR TO L. PH. BOLANDER & SON, OF SAN FRANCISCO, CALIFORNIA, A FIRM COMPOSED OF LOUIS PH. BOLANDER AND ALVIN E. BOLANDER.

## COUNTERBALANCED FLAGPOLE.

Application filed February 17, 1923. Serial No. 619,751.

*To all whom it may concern:*

Be it known that I, LOUIS PH. BOLANDER, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented new and useful Improvements in Counterbalanced Flagpoles, of which the following is a specification.

The invention relates to a counterbalanced flag pole.

The object of the present invention is to provide a simple, practical and efficient counterbalanced flag pole adapted to be lowered from a vertical position to a horizontal position for painting or other purposes and equipped with an ornamental base adapted to conceal normally the pivotal mounting of the flag pole and counterbalancing means.

With these and other objects in view the invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings and pointed out in the claims hereto appended, it being understood that various changes in the form, proportion and minor details of construction, within the scope of the claims, may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawing, in which like characters of reference designate corresponding parts in the several views:—

Figure 1 is an elevation of a counterbalanced flag pole, constructed in accordance with this invention.

Figure 2 is a central vertical sectional view of the same, the pole being shown in dotted lines in its lowered position.

Figure 3 is a horizontal sectional view on the line 3—3 of Figure 2.

Figure 4 is a similar view on the line 4—4 of Figure 2.

In the accompanying drawing, in which is illustrated the preferred embodiment of the invention, 1 designates a counterbalanced flag pole designed to be constructed of wood or any other suitable material and pivoted at its lower portion by a horizontal pin or bolt 2 to the upper portion of a flag pole stub 3, which preferably consists of a T iron beam fixed in a foundation 4 of concrete or other material when the flag pole is mounted in the ground but the flag pole stub may be fixed in any other desired manner for enabling the flag pole to be applied to the tops of buildings or any other desired place. The lower portion 5 of the flag pole, especially when constructed of wood, is preferably squared and it is provided at one of its sides with a recess 6 receiving the wings or flanges of the flag pole stub, which is preferably arranged in flush relation with the adjacent side face of the flag pole when the same is in an upright position, as clearly illustrated in Figures 3 and 4 of the accompanying drawing. The central wing or web of the flag pole stub is extended above the side wings and this vertical extension 7 of the flag pole stub is pierced by the pin or bolt 2, which also pierces the flag pole, as clearly shown in Figure 4 of the drawing.

The flag pole is equipped with an ornamental base composed of fixed and movable sections 8 and 9 and designed to be constructed of metal, wood or a combination of metal and wood, or any other suitable material and the said ornamental base conceals the pivotal mounting of the flag pole and the counterbalancing means hereinafter described. The stationary base is suitably mounted upon the foundation while the movable base is adapted, as illustrated in dotted lines of Figure 2 of the drawing, to be tilted with the flag pole. The ornamental base tapers upwardly and is preferably curved and ornamented as shown and it may be of any desired configuration or ornamental character and it is provided at intervals with vent apertures 10 preferably located in substantially concealed positions at the bottom of annular enlargement 11 and 12. The bottom of the base is preferably hexagonal, while the base above the hexagonal portion is preferably circular and tapered upwardly.

The movable section of the base is pro-

vided at the bottom and at its intermediate portions with spaced parallel horizontally disposed arms 13, 14 and 15, which are secured by suitable fastening devices 16 to the squared portion of the flag pole at opposite sides thereof as shown. These fastening devices consist of bolts and screws and may be of any desired number and the bottom arms 13 are formed integral with walls of weight receiving compartments 17, provided interiorly of the said movable section of the base. The compartments are formed by walls 18 and 19 and a central connecting wall 20 and the said movable section is provided with a bottom wall 21 extending beneath all of the compartments and formed integral with the said walls and with the movable section. These compartments 17 are adapted to receive weights or counterbalancing material of any character and from which counterbalance the flag pole and enable the same to be readily swung downward from a vertical to a horizontal position. As the flag pole swings downward the weighted movable section of the base is carried upward as will be readily understood. The flag pole, however, may be weighted or counterbalanced in various other ways and the base may be considerably modified as to form and structure without departing from the invention. The walls 18, 19 and 20 form central and side weight compartments and provide a recess to receive the flag pole, the arms 13 forming continuations of the side walls of the recess.

The sections of the ornamental base are provided at the top with upwardly extending flanges 22 which form a marginal flange around the top of the base and around which extends a locking collar or sleeve 23 which is ornamental in its character and which at its top 24 snugly fits the round portion of the pole. The locking sleeve or collar, which is spaced slightly at the bottom from the flange 22 to permit limited vibration of the pole is detachably retained in locking position by means of screws 25 or other suitable fastening devices, which engage the squared portion of the flag pole and which are adapted to be withdrawn to enable the locking sleeve or collar to be lifted clear of the ornamental base when it is desired to lower the flag pole. The contiguous vertical edges of the fixed and movable sections of the ornamental base are provided with horizontal projecting lugs 26 which are adapted to receive the shackle of a padlock or other suitable locking device for positively locking the flag pole in an upright position. The lugs 26 are perforated to receive the said padlock shackle, but it will be apparent that various locking devices may be employed for this purpose. Instead of employing a flag pole stub T-shaped in cross section, any other desired form of stub may, of course, be used.

What is claimed is:

1. A counterbalanced flag pole of the class described, including a fixed flag pole stub, a pole pivoted to and supported by the said stub and adapted to be swung downwardly from a vertical to a horizontal position, an ornamental base surrounding the lower portion of the pole and the stub and concealing both the stub and lower portion of the pole, and means located within the base for counterbalancing the pole, said means being located beyond the pole and the stub.

2. A counterbalanced flag pole of the class described, including a flag pole stub, a pole pivoted to the stub and adapted to be swung downwardly from a vertical to a horizontal position, a base concealing the stub and also the pivoted portion of the pole and composed of fixed and movable sections, coinciding when the pole is in an upright position, the movable section being mounted on and carried by the pole, and counterbalancing means for the pole located within the base.

3. A counterbalanced flag pole of the class described, including a flag pole stub, a pole pivoted to the stub and adapted to be swung downwardly from a vertical to a horizontal position, a base concealing the stub and also the pivoted portion of the pole and composed of fixed and movable sections, the movable section being mounted on and carried by the pole, and a locking collar mounted on the pole and fitting over and interlocked with the upper ends of the fixed and movable sections of the base.

4. A counterbalanced flag pole of the class described, including a flag pole stub, a pole pivoted at its lower portion to the stub, a hollow base concealing the flag pole stub and the pivoted portion of the pole and comprising a movable member carried by the pole and provided with interiorly arranged weight supporting means located beyond the pole and the stub for counterbalancing the pole.

5. A counterbalanced flag pole of the class described, including a flag pole stub, a pole pivoted at its lower portion to the stub, a hollow base concealing the flag pole stub and the pivoted portion of the pole and comprising a movable member carried by the pole, and provided at the bottom with an interiorly arranged weight receiving compartment for counterbalancing the pole.

6. A counterbalanced flag pole of the class described, including a flag pole stub, a pole pivoted at its lower portion to the stub, a hollow base concealing the flag pole stub and the pivoted portion of the pole and comprising a movable member carried by the

pole, and provided at intervals with spaced arms secured to the lower portion of the pole, said movable member being also provided at the bottom with said central and side compartments adapted to receive weights and forming a pole receiving recess.

7. A counterbalanced flag pole of the class described, including a flag pole stub T-shaped in cross section, a flag pole having a squared portion pivoted to the stub and having a recess receiving the same, a hollow base surrounding the stub and the squared portion of the pole and concealing the same, and means for counterbalancing the pole.

In testimony whereof I have hereunto set my hand.

LOUIS PH. BOLANDER.