A. C. ELPHINSTONE.

ADJUSTABLE FLAGSTAFF HOLDER.

APPLICATION FILED MAY 7, 1920.

1,373,414.

Patented Apr. 5, 1921.

2 SHEETS—SHEET 1.

FIG. 1.

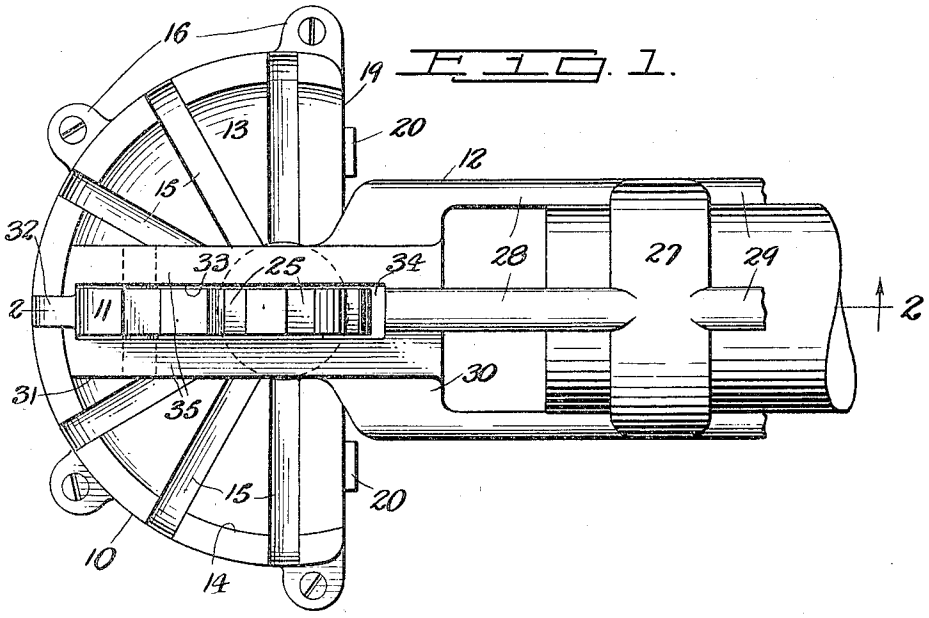


FIG. 2.

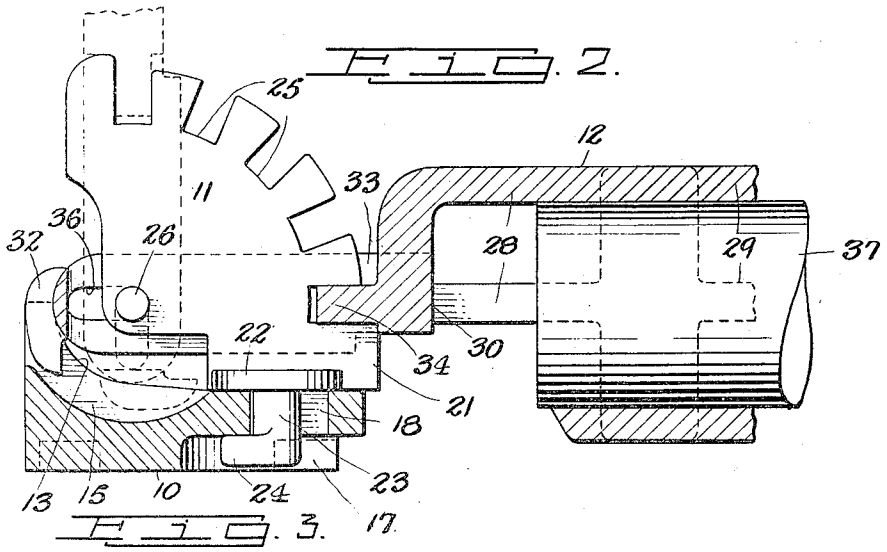
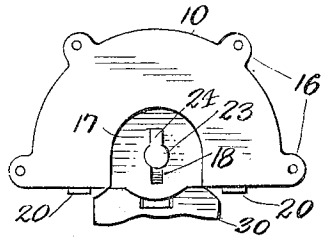


FIG. 3.



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2 SHEETS—SHEET 2.

FIG. 4.

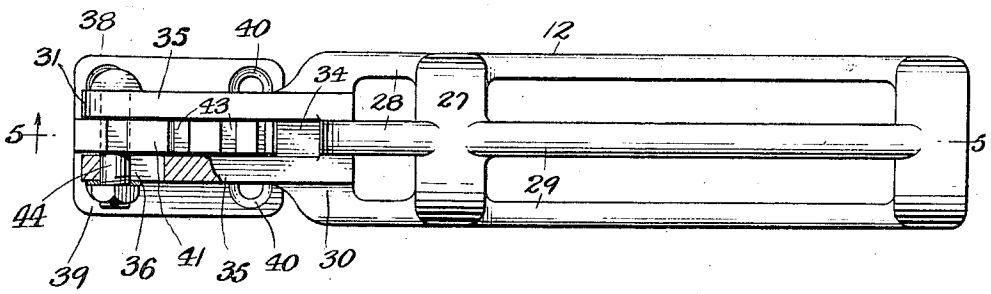
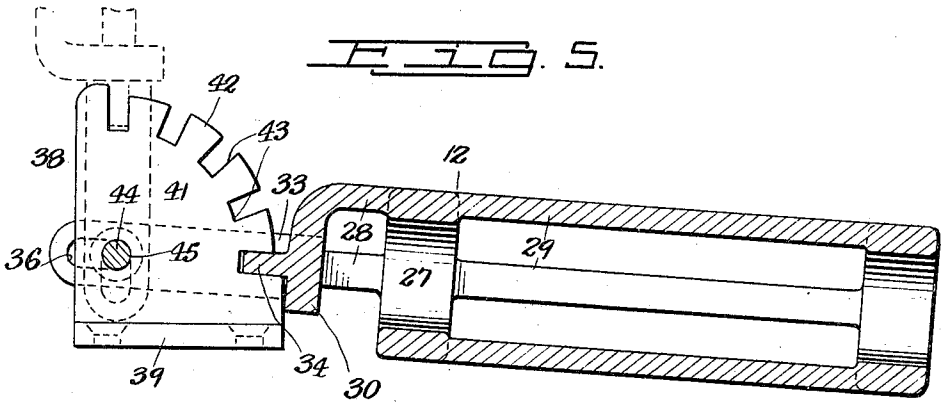


FIG. 5.



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UNITED STATES PATENT OFFICE.

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ADJUSTABLE FLAGSTAFF-HOLDER.

1,373,414. Specification of Letters Patent. Patented Apr. 5, 1921.

Application filed May 7, 1920. Serial No. 379,434.

To all whom it may concern:

Be it known that I, ALEXANDER C. ELPHINSTONE, a citizen of the United States, and residing at West Orange, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Adjustable Flagstaff-Holders, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to flagstaff holders and particularly to adjustable devices of this class, and the object of the invention is to provide a device of the class specified which is designed to permit of a vertical adjustment of the flagstaff; a further object being to provide means whereby the flagstaff may be adjusted laterally or may be given a lateral as well as vertical adjustment; a further object being to provide means whereby the flagstaff holder will be rigidly supported in its different positions of adjustment; a still further object being to provide a holder of the class specified which may be quickly and easily adjusted into different positions and retained in such positions without the use of screws, clamps, bolts or similar devices; and with these and other objects in view the invention consists in a device of the class and for the purpose specified which is simple in construction and operation and efficient in use, and which is constructed and operated as hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which:—

Figure 1 is a plan view of one form of my improved flagstaff holder and indicating the method of its use;

Fig. 2 a partial section on the line 2—2 of Fig. 1;

Fig. 3 a bottom plan view of a part of the construction shown in Figs. 1 and 2, and on a reduced scale;

Fig. 4 a view similar to Fig. 1 but showing another form of holder which I employ with part of the construction broken away and in section; and

Fig. 5 a partial section on the line 5—5 of Fig. 4.

In Figs. 1 to 3 inclusive, the holder comprises a substantially arc-shaped base member 10, a rotatable member 11 and a flagstaff receiving bracket member 12.

The base member 10, or the top face thereof, is slightly concave in form as shown at 13 formed by a raised and arc-shaped rim portion 14 which is provided at spaced intervals with a plurality of radial grooves 15. The base 10 is provided with a plurality of projecting and apertured ears 16 through which screws or other attaching devices may be passed in securing the base to a suitable support. The bottom face of the base 10 is provided with a recess or aperture 17, centrally of which the base 10 is provided with a key-shaped aperture 18 which opens upwardly and downwardly through the base, as clearly shown in Fig. 2. The straight side 19 of the base 10 is provided with stop members 20 which serve to limit the lateral movement of the member 12 upon said base.

The rotatable member 11 is provided with a downwardly directed projection 21 having a substantially disk-shaped head 22 provided with a downwardly directed trunnion 23, the lower end of which is provided with a laterally directed extension 24. In connecting the member 11 with the base 10, the trunnion 23 is passed into the key-shaped aperture 18 with the lateral extension 24 thereof directed toward the straight side 19 of the base, after which the member 11 is rotated to bring the same into the position shown in the drawing and in which the member 11 is retained against detachment from the base 10, and is free to rotate thereon in an arc of approximately one hundred and eighty degrees. The member 11 is substantially arc-shaped in form and the periphery thereof is provided with a plurality of spaced recesses 25 which form a substantially segmental gear of said member. The member 11 carries a pin 26 which extends at the opposite sides thereof.

The bracket member 12 comprises a cylindrical portion 27 having oppositely extending rib members 28 and 29. The rib members 28 are three in number, while the rib members 29 are four in number in the construction shown, and the inner ends of the rib members are joined in a cross head portion 30 having a backwardly directed extension 31 provided at its inner end with a shoe member 32, which is adapted to operate in the radial grooves 15 of the base 10 and

in the rim portion 14 thereof, as clearly illustrated in Fig. 2 of the drawing. The extension 31 is provided with an oblong aperture 33 which opens upwardly and downwardly therethrough and in which the member 11 is adapted to operate. The cross head portion 30 of the member 12 is provided with a tooth member 34 which projects into the aperture 33 of the extension 31 and is adapted to coöperate with the recesses 25 in the periphery of the member 11 as shown in Fig. 2.

The side portions 35 of the extension 31 are provided at the free ends thereof with elongated apertures 36 in which the pin 26 or the side extensions thereof operate as shown in Fig. 2, this construction permitting of the radial movement of the bracket member 12 on the member 11 to bring the tooth member 34 into position to be passed into any one of the recesses 25 of the member 11 by swinging the member 12 vertically over the periphery of said member 11.

In the use of the construction shown in Figs. 1 to 3 inclusive, it will be apparent that after the base 10 has been secured to a suitable support with the rotatable member 11 and bracket member 12 connected in the manner hereinbefore described, and shown in the accompanying drawing, and with a flagstaff 37 supported in the bracket 12, said bracket member may be adjusted to the desired position, or with the tooth member 34 in any one of the recesses 25 of the member 11, and the member 11 may be rotated on the base 10 to bring the bracket member 12 in any desired angular arrangement to the base 10 within the arc of approximately 180° to the straight side 19 of the base 10.

In the operation of attaining the angular adjustment of the bracket member 12, the said member must be first moved outwardly on the member 11 to permit the shoe 32 to swing freely within the arc-shaped top face portion of the base 10, and when said bracket member is in the desired position of adjustment, the same is again moved inwardly to place the dog member 32 in one of the arc-shaped recesses 15 of the base 10, and in this operation the tooth member 34 is placed in the desired recess 25. From the foregoing it will be apparent that with my improved construction, as shown in Figs. 1 to 3 inclusive, the bracket member 12 which serves as the flagstaff receiving and supporting member may be given a combination lateral as well as vertical adjustment, in other words, after a lateral adjustment has been made of the member 12, said member may be given a vertical adjustment when in the first named adjusted position.

In Figs. 4 and 5 of the drawing, I have shown a slight modification, in which the bracket member 12 is provided with a support 38 upon which the same may be adjusted vertically. In this construction, the support 38 comprises a base plate 39 which may be secured to a stationary support by screws or other devices passed through countersunk apertures 40 in the corner portions of said plate and a central upwardly directed member 41 preferably formed integral with the base plate 39. One side face 42 of the member 41 is approximately arc-shaped in form and is provided in the periphery thereof with a plurality of spaced recesses 43 in connection with which the projecting tooth 34 of the bracket member 12 is adapted to operate.

In the construction shown in Figs. 4 and 5, the bracket member 12 is mounted in connection with the member 41 by a bolt 44 which passes through an aperture 45 in the member 41 and through the elongated apertures 36 in the side portions 35 of the extension 31. In the construction shown in these figures it will be noted that the member 41 is yoke-shaped in form and the shoe member 32 is not employed, but with this exception the bracket member 12 is approximately of the same construction as that shown in Figs. 1 to 3 inclusive.

It will be understood that the operation of the device as shown in Figs. 4 and 5 will be the same as the operation of adjusting the bracket member 12 on the rotatable member 11, as shown in Fig. 1, but in this case the member 12 will not have any lateral adjustment by reason of the fact that the support 38 is stationary but, in some cases, the simple construction shown in Fig. 4 will be all that is required, in other words, there will be no need for lateral adjustment as with the construction shown in Figs. 1 to 3 inclusive. It will be understood that while I have shown certain details of construction for carrying my invention into effect, I am not necessarily limited to these details, and various changes therein and modifications thereof may be made, within the scope of the appended claims, without departing from the spirit of my invention or sacrificing its advantages.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent, is:—

1. An adjustable flagstaff holder comprising a bracket member adapted to receive one end portion of a flagstaff, one end portion of said bracket member being provided with an elongated aperture, a member mounted in said elongated aperture and upon which said bracket member is radially and rotatably movable, said last named member being provided with a plurality of spaced apertures and said bracket member being provided with a part adapted to en-

gage said recesses to retain said bracket member in any desired position of adjustment on said last named member, and a base member in connection with which said last named member is rotatably mounted.

2. An adjustable flagstaff holder comprising a bracket member adapted to receive one end portion of a flagstaff, one end portion of said bracket member being provided with an elongated aperture, a member mounted in said elongated aperture and upon which said bracket member is radially and rotatably movable, said last named member being provided with a plurality of spaced apertures and said bracket member being provided with a part adapted to engage said recesses to retain said bracket member in any desired position of adjustment on said last named member, a base member in connection with which said last named member is rotatably mounted, said base member being provided with a raised wall which is arc-shaped in form in cross section, and said base member and the wall thereof being provided with a plurality of radially arranged grooves and the inner end portion of said bracket member being provided with a part adapted to operate in said last named grooves to retain said bracket member against lateral or rotatable movement on the base member.

3. An adjustable flagstaff holder comprising a bracket member adapted to receive one end portion of a flagstaff, one end portion of said bracket member being provided with an elongated aperture, a member mounted in said elongated aperture and upon which said bracket member is radially and rotatably movable, said last named member being provided with a plurality of spaced apertures and said bracket member being provided with a part adapted to engage said recesses to retain said bracket member in any desired position of adjustment on said last named member, and means for guiding said bracket member in its radial movement.

In testimony that I claim the foregoing as my invention I have signed my name in presence of the subscribing witnesses this 5th day of May, 1920.

ALEXANDER C. ELPHINSTONE.

Witnesses:
C. E. MULREANY,
H. E. THOMPSON.