April 10, 1934. A. M. HUNTER 1,954,413

GOLF BAG STANCHION

Filed June 16, 1933

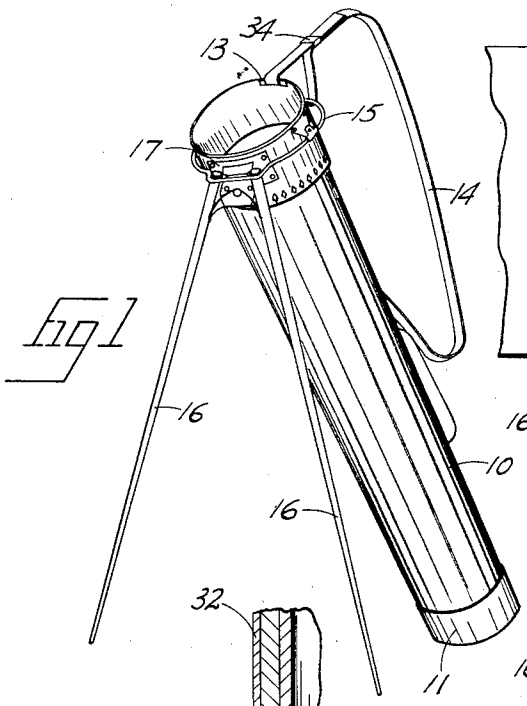


Fig 1

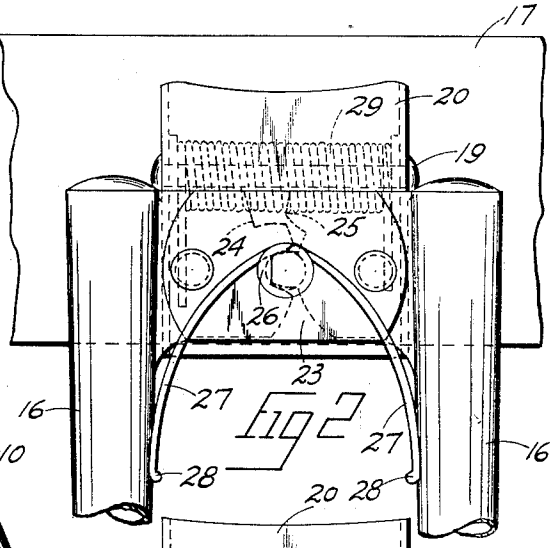


Fig 2

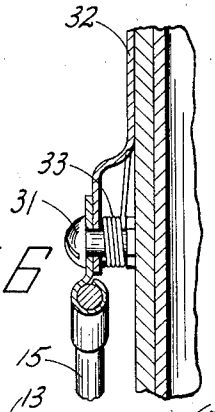


Fig 6

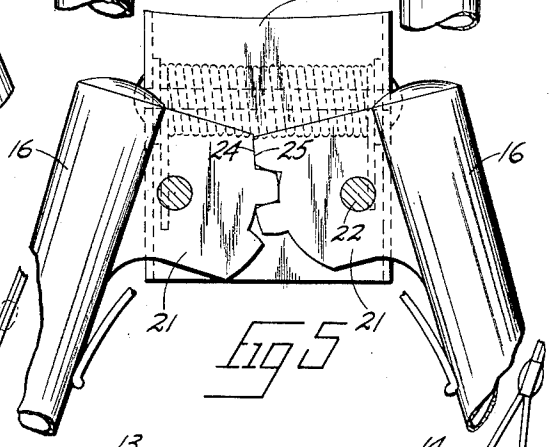


Fig 5

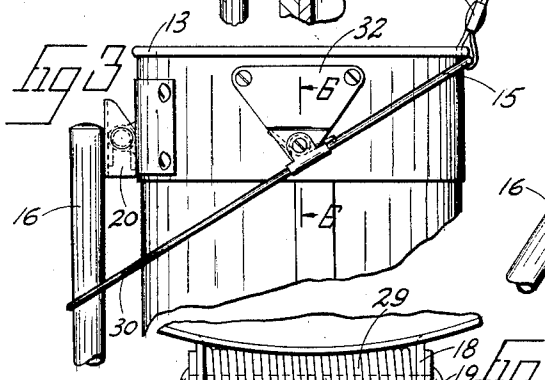


Fig 3

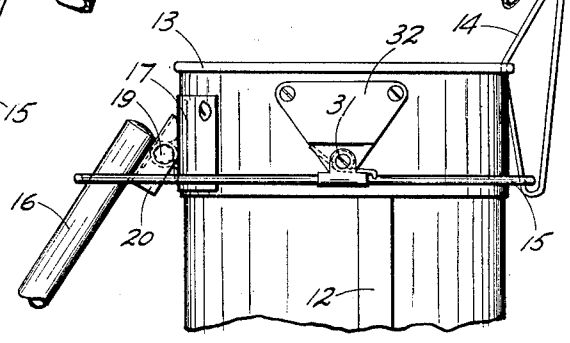


Fig 4

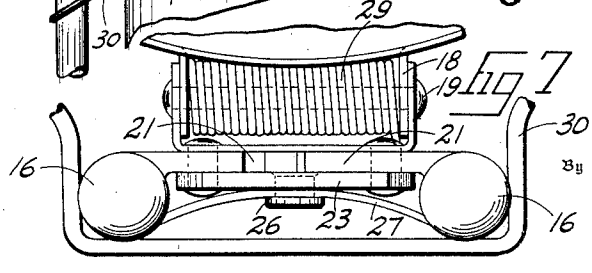


Fig 7

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GOLF BAG STANCHION

Andrew M. Hunter, Girard, Ohio

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10 Claims. (Cl. 150—1.5)

This invention relates to improvements in apparatus adapted to sustain a golf bag or similar article in an upright position and more specifically to a supporting structure embodying a pair of pivotally mounted legs or stanchions extensible outwardly to form a prop or tripod when the golf bag is rested upon its base and retractable against the side walls thereof when the bag is lifted or carried by the shoulder strap.

One of the objects of this invention is to provide a tripod for a golf bag which is adapted to facilitate the support of the bag in an upright position without manipulation of the supporting mechanism. To this end the invention contemplates a structure organized to effect the automatic adjustment of the stanchions outwardly from the bag and divergent from each other when the weight of the bag and contents thereof are released from the shoulder carrying strap and further to effect the return of the stanchions against the body of the bag and parallel the axis thereof upon application of lifting effort upon the shoulder strap.

Another object of the invention is to provide a supporting structure which is adapted for affixation upon golf bags of the type customarily found upon the market without structural modification therein.

Another object of the invention is to provide a stanchion locking device which is adapted to facilitate the retention of the supporting members in their retracted positions against the side walls of the bag.

Another object of the invention is to provide a supporting structure embodying a pair of pivotally mounted legs which are adapted for uniform adjustment with respect to their relative position and with respect to their adjusted relation with the golf bag.

A further object of the invention is to construct a tripod or supporting frame which is sturdy of structure, relatively light in weight and economic of manufacture.

Other objects more or less ancillary of the foregoing and the manner in which all the various objects are realized will appear in the following description which, considered in connection with the accompanying drawing, sets forth the preferred embodiment of the invention.

In the drawing wherein the invention is illustrated in coordinated relation with a golf bag—

Figure 1 is a view in perspective illustrating the improved stanchions in their extended position supporting a golf bag in a substantially upright position.

Figure 2 is an elevational detail view of the fragmentary portion of the stanchion supporting mechanism.

Figure 3 is a detailed view of a portion of the golf bag and supporting mechanism therefor, the view being taken at right angles to the illustration shown in Figure 2.

Figure 4 is an elevational view similar to Figure 3, the supporting mechanism therein being illustrated in its actuated position.

Figure 5 is a detailed elevational view, partially in section, and similar to Figure 2, illustrating the structure of the stanchion supporting mechanism.

Figure 6 is a vertical sectional view through the arm support, the section being taken on a plane indicated by the line 6—6 of Figure 3.

Figure 7 is a fragmentary plan view of the supporting structure for the stanchions.

As illustrated in Figure 1 the golf bag 10 is of the customary commercial design having a base portion 11, longitudinal reinforcing ribs 12 and an annular frame member 13 adjacent the open end thereof. The bag is provided with a carrying strap 14, one end of which is attached to the bag intermediate its ends while the other end is looped about the frame member 13 and through an arm or ring 15 which as provided herein controls the movement of the supporting stanchions 16. Adjacent the upper end of the golf bag 10 and diametrically opposite the carrying strap connection with the ring 15 there is riveted or otherwise secured a bracket 17. The bracket 17 embodies ears 18 apertured to receive a pin 19 which supports a channeled plate 20. The portions of the flanges of the channeled plate 20 above the pivoted connection are cut away at a suitable angle to facilitate the oscillatory movement of the plate, but to delimit the travel inwardly through the abutting engagement thereof with the bracket 17, as illustrated in Figure 4.

Upon the outer face of the plate 20 there is a pair of mutilated gears 21 pivoted upon rivets 22, the ends of which are extended to support a cover block 23. The mutilated gears are formed with shouldered portions 24 and 25 disposed for abutting engagement to limit the outward movement of the gears during the oscillation thereof. The outer edges of the plate constituting the gears 21 are affixed to and support the stanchions 16, the plane at which the connection is made being forwardly disposed in relation to the channeled plate 20 in order to provide adequate clearance therewith. The stanchions or legs 16 are preferably formed of metallic tubing or may be made of any other material of

similar strength and equivalent rigidity. Upon the outer face of the cover block 23 there is a stud 26 which retains a leaf spring 27 adapted to urge the stanchions 16 outwardly. The free ends of the spring 27 are formed with inturned loops 28 which are configured to partially encompass the stanchions 16 and thus assure the retention of the spring thereon. Intermediate the plate 20 and the bracket 17 there is a spiral spring 29 having the end portions thereof extended respectively for engagement with the plate 20 and the bracket 17 and adapted to urge the lower portion of the plate outwardly from the golf bag 10.

The ring or arm 15 is preferably formed with a rectangular section 30 disposed contiguous the bracket 17 and arranged to embrace the stanchions 16. The opposed portion of the ring is formed with sufficient clearance, relative to the diameter of the bag, to permit the vertical oscillatory movement of the ring about its pivotal connection 31 and thus provide a lever through which the retractive adjustment of the stanchions may be controlled.

As illustrated the pivotal connection 31 of the arm 15 is supported upon a gusset plate 32 which may be secured upon the bag in any suitable manner. The connection 31 is preferably provided with a spiral spring 33 having extended ends which engage respectively the arm 15 and the gusset plate 32 and thus urge the rearward portion of the lever arm downwardly when the lifting effort is released from the strap 14. The shoulder strap 14 is provided with a sliding loop or keeper 34 which when adjusted retains the ring 15 in juxtaposition with the frame member 13 and thus retains the forward portion of the lever in a fixed downward position over the stanchions 16.

In operation, when the weight of the bag and contents thereof are relieved from the shoulder strap the forward portion of the lever is elevated by the spring 33 which permits the spring 29 to urge the plate supporting the stanchions outwardly from the bag and the spring 27 to effect the divergent separation of the free ends of the legs. Thus, when the bag is rested upon its base 11 the supporting structure is automatically adjusted to sustain or prop the bag in an upright or substantially vertical position. When tension is applied to the shoulder strap the ring 15 is pivoted upon its fulcrum, the rectangular portion 30 thereof being rocked downwardly thus drawing the legs towards each other parallel to the receptacle and inwardly against the body of the golf bag. If it is desired to retain the stanchions in their retracted position the keeper 34 may be positioned to close the looped end of the shoulder strap which encircles the frame member 13 and the ring 15, as illustrated in Figure 3. The frictional resistance of the loop upon the strap is sufficient to sustain or overcome the effort of the spring 29 and to hold the stanchions in their retracted position.

Although the foregoing description is necessarily of a detailed character, in order that the invention may be completely set forth, it is to be understood that the specific terminology is not intended to be restrictive or confining, and that various rearrangements of parts and modifications of structural detail may be resorted to without departing from the scope or spirit of the invention as herein claimed.

I claim:

1. In combination with a golf bag having a shoulder strap thereon, a supporting stanchion for sustaining the golf bag in an upright position comprising, a frame mounted upon the golf bag adjacent the open end thereof, legs pivotally supported upon said frame, a spring for effecting adjustment of the legs outwardly from the bag, a second spring for effecting the separation of the free ends of said legs, an arm pivotally mounted upon the golf bag, the portion of the arm adjacent one side of the pivotal connection engaging the said legs and the portion of said arm adjacent the other side of the pivotal connection being engaged by the shoulder strap.

2. In combination with a golf bag having a shoulder strap thereon, a pair of legs pivotally supported on said bag, a spring for holding the legs extended from the bag, a spring for holding the free ends of said legs in spaced relation, and a ring pivoted upon the bag, a portion of said ring forward its pivotal connection encompassing the legs and a portion of the ring rearward its pivotal connection connected to said shoulder strap.

3. In combination with a golf bag having a shoulder strap, a supporting structure comprising a bracket affixed to the bag adjacent its open end, a plate pivotally mounted upon said bracket, the lower end thereof being disposed to swing outwardly from said bag, a spring intermediate said bracket and said plate arranged to urge the plate outwardly from said bag, a pair of intermeshed mutilated gears pivotally mounted upon said plate, a leg mounted upon each of said mutilated gears, a spring mounted upon said plate and disposed to urge the legs apart, a ring fulcrumed upon the bag, a portion thereof forward the fulcrum encompassing said legs, the portion rearward thereof being connected to the said shoulder strap.

4. In combination with a golf bag having a shoulder strap, and a top frame member, a supporting structure comprising a bracket affixed to the bag adjacent its open end, a plate pivotally mounted upon said bracket, the lower end thereof being disposed to swing outwardly from said bag, a spring intermediate said bracket and said plate arranged to urge the plate outwardly from said bag, a pair of intermeshed mutilated gears pivotally mounted upon said plate, a leg mounted upon each of said mutilated gears, a spring mounted upon said plate and disposed to urge the legs apart, a ring fulcrumed upon the bag, a portion thereof forward the fulcrum encompassing said legs, the portion rearward thereof being connected to the said shoulder strap, the said strap being looped about said frame member and a slidable keeper for retaining the ring in juxtaposition with said frame member.

5. In combination with a golf bag having a shoulder strap, a supporting structure comprising a bracket affixed to the bag adjacent its open end, a plate pivotally mounted upon said bracket, the lower end thereof being disposed to swing outwardly from said bag, a spring intermediate said bracket and said plate arranged to urge the plate outwardly from said bag, a stop formed in the upper portion of said plate to limit the movement thereof, a pair of intermeshed mutilated gears pivotally mounted upon said plate, a leg mounted upon each of said mutilated gears, a spring mounted upon said plate and disposed to urge the legs apart, a ring fulcrumed upon the bag, a portion thereof forward the fulcrum encompassing said legs, the

portion rearward thereof being connected to the said shoulder strap.

6. In combination with a golf bag having a shoulder strap, a supporting structure comprising a bracket affixed to the bag adjacent its open end, a plate pivotally mounted upon said bracket, the lower end thereof being disposed to swing outwardly from said bag, a spring intermediate said bracket and said plate arranged to urge the plate outwardly from said bag, a pair of intermeshed mutilated gears pivotally mounted upon said plate and formed with abutting shoulders to delimit the rotative movement thereof, a leg mounted upon each of said mutilated gears, a spring mounted upon said plate and disposed to urge the legs apart, a ring fulcrumed upon the bag, a portion thereof forward the fulcrum encompassing said legs, the portion rearward thereof being connected to the said shoulder strap.

7. In combination with a golf bag having a shoulder strap, a supporting structure comprising a bracket affixed to the bag adjacent its open end, a plate pivotally mounted upon said bracket, the lower end thereof being disposed to swing outwardly from said bag, a spring intermediate said bracket and said plate arranged to urge the plate outwardly from said bag, a pair of intermeshed mutilated gears pivotally mounted upon said plate, a leg mounted upon each of said mutilated gears, a spring mounted upon said plate and disposed to urge the legs apart, a ring fulcrumed upon the bag, a portion thereof forward the fulcrum encompassing said legs, the portion rearward thereof being connected to the said shoulder strap and a spring disposed intermediate the ring and the fulcrum connection and arranged to urge the forward end of said ring upwardly.

8. A golf bag comprising a container portion, a carrying strap therefor, legs pivoted to said bag, a spring adapted to urge the ends of the legs from the bag, a spring adapted to urge the legs apart, a lever pivoted to said bag, intermediate the end portions, one end of said lever engaging said legs, the other end thereof being connected to the said carrying strap.

9. A golf bag comprising a container portion, a carrying strap therefor, legs pivoted to said bag, a spring adapted to urge the ends of the legs from the bag, a spring adapted to urge the legs apart, means to effect the uniform movement and separation of the legs, a lever pivoted to said bag intermediate the end portions, one end of said lever engaging said legs, the other end thereof being connected to the said carrying strap.

10. A golf bag comprising a container portion, a carrying strap therefor, legs pivoted to said bag, a spring adapted to urge the ends of the legs from the bag, means to delimit the outward movement of the legs, a spring adapted to urge the legs apart, a lever pivoted to said bag intermediate the end portions, one end of said lever engaging said legs, the other end thereof being connected to the said carrying strap.

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