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M. N. HAROCOPO

2,614,859

SKI POLE HANDLE

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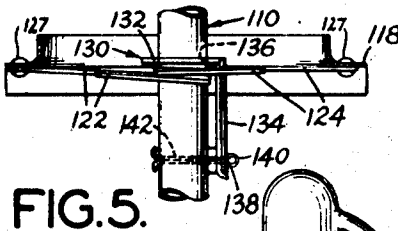


FIG. 5.

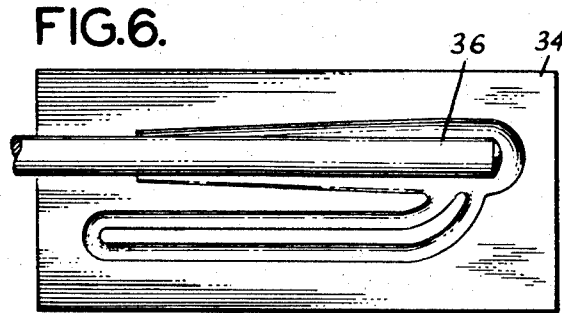


FIG. 6.

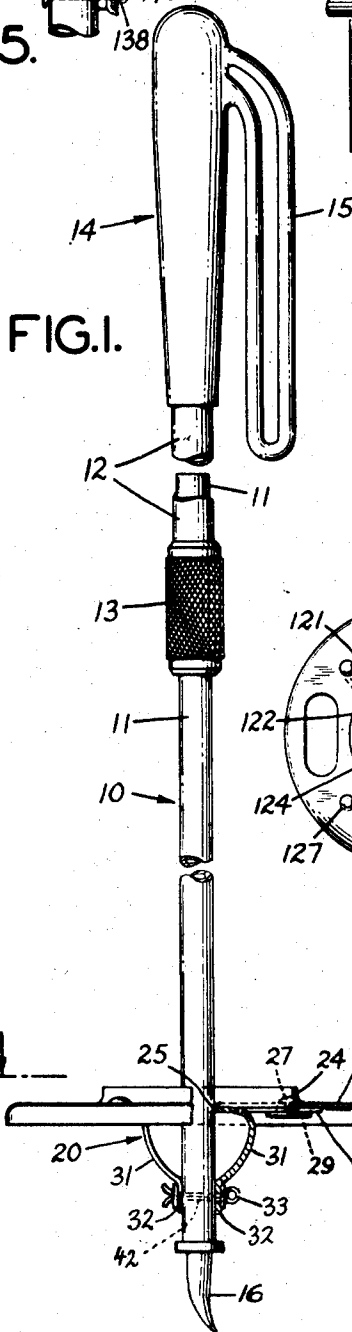


FIG. 1.

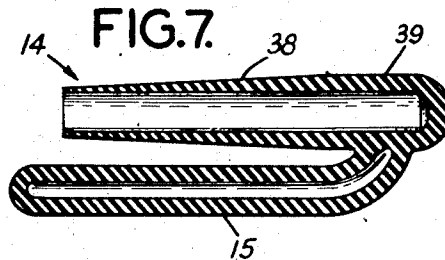


FIG. 7.

FIG. 4.

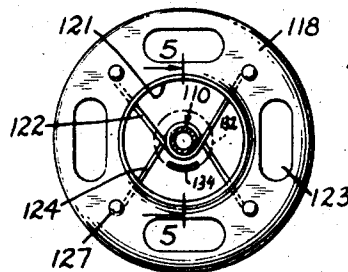


FIG. 2.

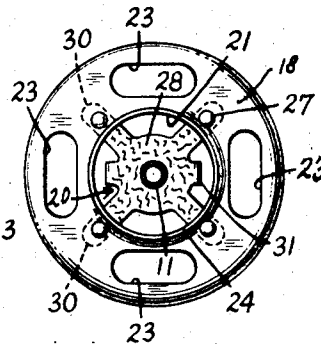
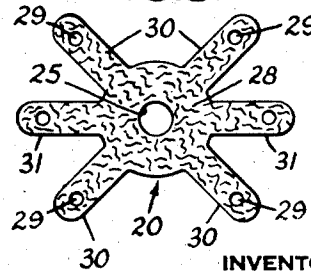


FIG. 3.



INVENTOR.
MARINO N. HAROCOPO
BY *[Signature]*
ATTORNEY.

UNITED STATES PATENT OFFICE

2,614,859

SKI POLE HANDLE

Marino N. Harocopo, New York, N. Y., assignor
to Skiaffiliates, Inc., New York, N. Y.

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4 Claims. (Cl. 280—11.37)

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This invention relates to a ski pole.

One of its objects is to provide a ski pole with a handle which is inexpensive to manufacture and sturdy enough to withstand considerable strain in actual use.

Under another aspect, the invention has the object of providing a combined handle and wrist strap which permits substantial economies in the production and assembly of a ski pole or the like article.

More specifically, it is among the objects of this invention to provide for a handle which may be made integrally with a wrist strap and where the wrist strap is secured to the handle in a manner excluding the risk of rupture, even in cases of heavy strain to which devices of this kind are exposed in skiing and like sports.

With the above and other objects of the invention in view, the invention consists in the novel construction, arrangement and combination of various devices, elements and parts, as set forth in the claims hereto, an embodiment of the same being described in the specification and being illustrated in the accompanying drawings forming part of the specification wherein:

Fig. 1 is a side elevation, partially in section, of a ski pole according to the invention;

Fig. 2 is a top elevation of a mold half and core member for formation of the handle and strap; and

Fig. 3 is a longitudinal section through the handle and wrist strap.

With reference to the drawings, numeral 10 generally indicates the ski pole which may be formed of a light weight metal, for instance aluminum and may have a slightly tapering form. In the embodiment shown the pole comprises two telescoping parts 11 and 12 which may be locked against each other in selective positions for the purpose of lengthening or shortening the pole. The locking mechanism is generally indicated as 13.

At its lower end the pole has the usual bottom point 16 and at its upper end it is provided with a handle generally designated as 14, and having a strap 15 made integrally therewith as will be brought out later.

A snow wheel 18 is connected to the pole by a flexible attachment member 20.

Reverting now to the handle, attention is directed to Figs. 2 and 3. As mentioned above, handle 14 and wrist strap 15 are made integrally of a moldable material, preferably a resilient material such as rubber. Fig. 2 illustrates a form of mold by which the manufacture of handle and strap

may be done in an inexpensive way. To this end the material is placed into the mold half 34 and, after joining the said mold half with the other complementary mold portion and applying heat, the material is allowed to solidify around a core 36. The mold cavity is of a shape that gives the finished handle a form tapering over part of its length as indicated at 38. It will be noted that the inner wall is straight and that the outer wall terminates in an area 39 of a uniform maximum wall thickness. The closed end itself has a thickness equal to the adjacent wall portions.

As will be apparent from the drawing, the strap, which is shown in the customary loop form, branches from this area of increased wall thickness of the handle adjacent the closed end. The thickness of the strap is equal to the maximum thickness of the handle wall. The strap is thus securely anchored in the handle wall and, in the case of rubber or similar resilient material, there is an additional safeguard against shocks by virtue of the ability of the wall to take up stresses through stretching and rebounding.

After their separate manufacture, the handle wrist strap unit may be secured to the ski pole in any conventional manner, for instance by sliding it down on the pole and thus holding it through friction and vacuum effect.

While a preferred embodiment of the invention has been described herein, it will be understood generally that this disclosure is for the purpose of illustration and that various omissions or changes in the shape, proportion or arrangement of parts as well as the substitution of equivalent elements for those herein shown and described may be made without departing from the spirit and scope of the invention as set forth in the appended claims.

What I claim is:

1. A handle adapted for use on a ski pole or the like including a wrist strap formed integrally with the handle from a resilient molded material, the handle being hollow and having an outer wall of a thickness increasing from one end up to a point intermediate the two ends of the handle and having an area of maximum wall thickness adjacent the other end and the strap branching from the said handle substantially at the area of the said maximum wall thickness.

2. A handle adapted for use on a ski pole or the like, including a roughly loop-shaped wrist strap formed integrally with the handle from a flexible molded material, the handle having one open and one closed end, the open end being adapted for introduction of the pole and the outer

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diameter of the handle gradually increasing from the open towards the closed end with the greatest wall thickness being disposed at the area of and adjacent the closed end, and the two ends of the strap loop branching from the handle substantially at the area of the greatest wall thickness.

3. A longitudinal handle adapted for use on a ski pole or the like including a wrist strap formed integrally with the handle from a moldable material, said handle having a wall thickness increasing throughout at least a major portion of its length and said strap merging with said handle near the portion of greatest wall thickness thereof and the thickness of the wrist strap and handle wall being substantially equal at the area of their merger.

4. A handle adapted for use on a ski pole or the like, said handle being composed of a moldable material and comprising a hollow handle portion open at one end and having a wall thickness of gradual increase with increasing distance

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from said open end, and an endless wrist strap portion integrally formed with said handle portion and extending therefrom at the area of greatest wall thickness thereof, and the thickness of the wrist strap portion being substantially equal to the thickness of the wall of the handle portion at said area of greatest thickness.

MARINO N. HAROCOPO.

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