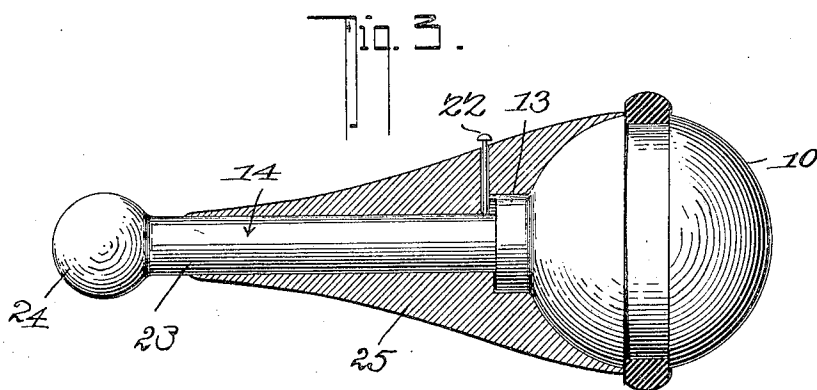
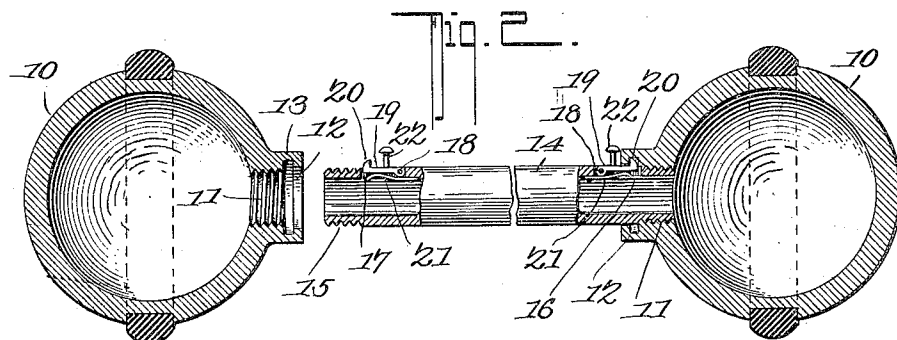
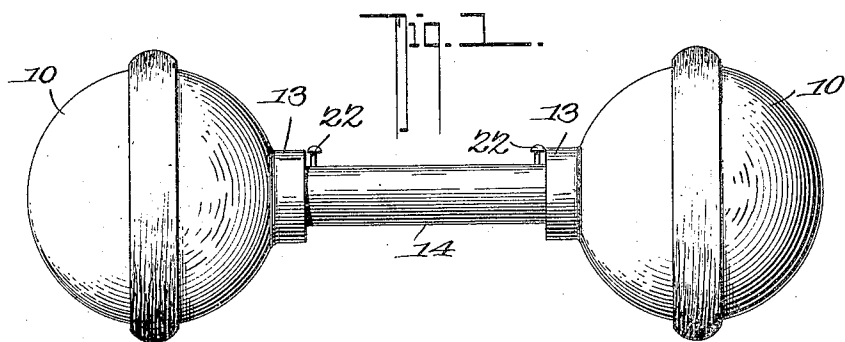


No. 808,706.

PATENTED JAN. 2, 1906.

SAINT CHARLES VILLEDROUIN.
DUMB BELL AND INDIAN CLUB.

APPLICATION FILED AUG. 4, 1905.



Witnesses

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UNITED STATES PATENT OFFICE.

SAINT CHARLES VILLEDROUIN, OF JEREMIE, HAITI.

DUMB-BELL AND INDIAN CLUB.

No. 808,706.

Specification of Letters Patent.

Patented Jan. 2, 1906

Application filed August 4, 1905. Serial No. 272,739.

To all whom it may concern:

Be it known that I, SAINT CHARLES VILLEDROUIN, a citizen of the United States, residing at Jeremie, Haiti, have invented a new and useful Dumb-Bell and Indian Club, of which the following is a specification.

This invention relates to combined dumb-bells, bar-bells, and Indian clubs, and has for its object to produce a simply-constructed device of this character which may be quickly changed from a dumb-bell to a bar-bell or to an Indian club and may also be increased or decreased in weight as required.

With these and other objects in view, which will appear as the nature of the invention is better understood, the same consists in certain novel features of construction, as hereinafter fully described and claimed.

In the accompanying drawings, forming a part of this specification, and in which corresponding parts are denoted by like designating characters, is illustrated the preferred form of embodiment of the invention capable of carrying the same into practical operation, it being understood that the invention is not necessarily limited thereto, as various changes in the shape, proportions, and general assemblage of the parts may be resorted to without departing from the principle of the invention or sacrificing any of its advantages.

In the drawings thus employed, Figure 1 is a side elevation arranged as a dumb-bell. Fig. 2 is a longitudinal sectional elevation of the device arranged as a bar-bell. Fig. 3 is a view, partially in section, of the device arranged as an Indian club.

The improved device comprises two hollow spherical members 10, each having a threaded aperture 11 through one side and each aperture provided with a recess 12, preferably annular, near the outer end, the body member preferably with a "boss" 13, through which the aperture extends to lengthen the thread area and increase the strength at this point. Extending between the spherical bodies is a bar 14, threaded at the ends, as at 15 16, for engaging the threaded apertures, and thus provide a detachable coupling means between the bodies. The bar 14 is provided with cavities 17 at the ends adjacent to the threads thereon, and mounted for movement, as by pivot 18 in these cavities, are pawls 19, having outturned ends 20 for engaging the cavities 12 when the bar is screwed "home" in the spherical bodies, and thus form a lock-

ing means between the bar and the spherical bodies. Springs 21 are disposed for maintaining the pawls yieldably in distended position, and each pawl is also provided with push-rods 22 for releasing the same. Thus when the bar is to be attached to the spherical bodies the pawls are compressed and the bar screwed home and the pawls released, when the lateral terminals will enter the recesses 12, and thus effectually lock the bar against retrograde movement and obviate all danger of the parts working loose while the implement is in use. When the spherical members are to be released, it is only necessary to depress the push-rods and unscrew the bar.

The weight of the empty bodies 10 will equal the balls of the lighter form of ordinary dumb-bells, so that with a pair of the spherical bodies and a connecting-bar the operator will be possessed of a dumb-bell equal in weight to the smaller size of the same. If now a heavier dumb-bell is required, the operator has only to detach one of the spherical members and supply sufficient shot or other suitable material to increase the weight to the required extent. Thus a dumb-bell of any required weight may be quickly and easily obtained, so that the operator can quickly supply himself with an implement of any required weight and gradually increase the weight as he progresses in his exercises. Thus one single set of the improved dumb-bells is all that is necessary to supply all the various weights, whereas with the ordinary construction of solid balls and connecting-bar many different sets of varying weights are required. Thus a material saving in first cost is gained, besides a corresponding economy in the saving of the space which would be occupied by the multiplicity of implements. It will be obvious that the same is true of "bar-bells," as the latter structures can be easily produced by simply providing bars of greater length.

The improved device can also be readily transformed into an Indian club by providing a bar 23, having a knob 24 at one end and threaded at the other for attachment to one of the spherical bodies and also providing one of the locking-pawls thereto. To give the device the full appearance of an Indian club, a filler member 25 is supplied, preferably of wood, and merging at its respective ends into the spherical member and into the bar, as shown in Fig. 3.

Having thus described the invention, what is claimed is—

1. An implement of the class described comprising two hollow spherical bodies each having a threaded aperture leading through one side, and with recesses in the apertures near the outer ends, a connecting-bar having threaded ends for detachably engaging said threaded apertures, and a spring-controlled catch member carried by said bar and yieldably engaging said recesses, to form a locking means between the bar and spherical members.

2. An implement of the class described comprising two hollow spherical bodies each having a threaded aperture leading through one side, and with recesses in the apertures near the outer ends, a connecting-bar having threaded ends for detachably engaging said threaded apertures, and with longitudinal cavities adjacent to the threads on the bar, pawls movably disposed in said cavities for

engagement with said recesses when the bar is connected to the spherical bodies, and springs operating to maintain said pawls yieldably distended.

3. An implement of the class described comprising a hollow spherical member having a threaded aperture leading through one side and with a recess within the aperture near the outer end, a bar threaded to engage said aperture, a pawl spring supported and connected to said bar for engagement with said recess, and a filler member between said bar and spherical body and merging at the ends respectively into said bar and spherical body.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

SAINT CHARLES VILLEDROUIN.

Witnesses:

EDWARD W. JONES,
L. A. TIMOLLIN.