April 7, 1931. H. JAFFE 1,799,688

IMPLEMENT RETRIEVER

Filed Sept. 29, 1930

Fig. 1.

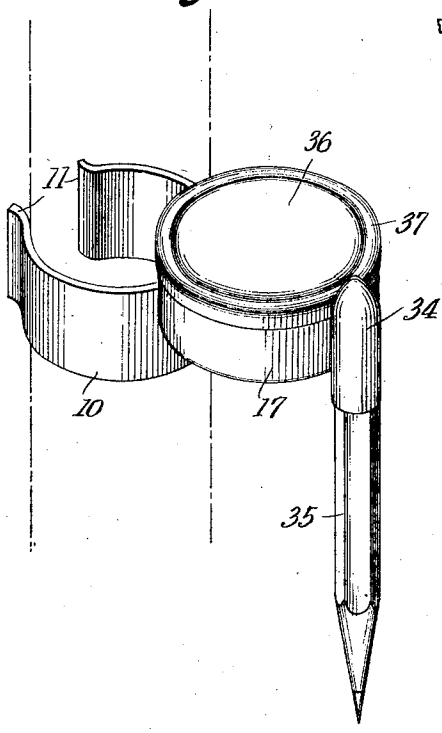


Fig. 2.

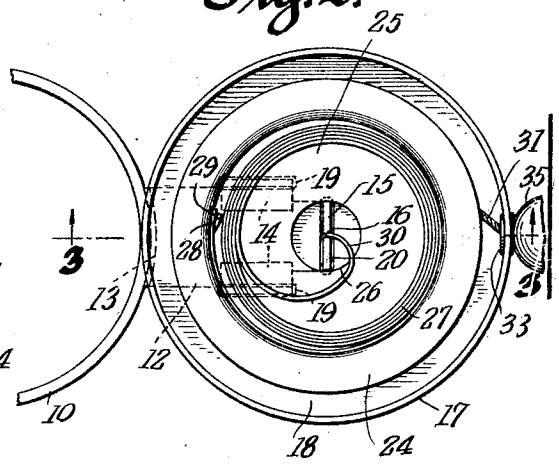


Fig. 3.

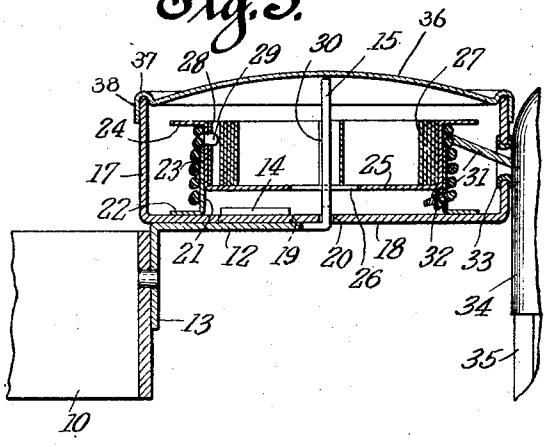
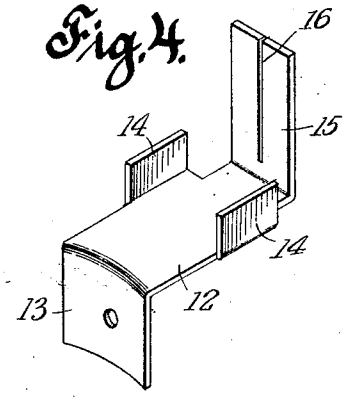


Fig. 4.



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UNITED STATES PATENT OFFICE

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IMPLEMENT RETRIEVER

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This invention relates to pencil holders with special reference to types in which the pencil is attached by a flexible connection to a fixed support.

In the present invention it is an object to provide a support engageable with a rigid article, as for instance a telephone instrument, in a manner to support a casing containing a spring controlled drum around which is coiled a cord fastened to a pencil or other implement whereby it is held in an accessible position and prevented from becoming mislaid.

A further feature is in the provision of a support, casing and drum, constructed and combined in a novel manner, extremely simple and inexpensive to produce, and efficient in operation.

These objects are attained in the manner hereafter set forth and shown in the drawing forming part of this disclosure and in which:

Fig. 1, is a perspective view of a complete embodiment of the invention as in operative position.

Fig. 2, is a top plan view of the same as drawn to an enlarged scale, the cover being omitted.

Fig. 3, is a diametrical sectional view taken on line 3—3 of Fig. 1.

Fig. 4, is a perspective view showing in detail one of the main elements used in construction.

As shown in Fig. 1, the device is engaged with an upright support, shown in broken lines, by a spring clip 10 fashioned to partially surround the cylindrical upright, around which its outturned end edges 11 are sprung.

Centrally on the outer surface of the clip is secured an outstanding plate bracket 12 having downturned flange 13, riveted, welded or otherwise rendered rigid with the clip.

A pair of lugs 14 are formed on the side edges of the bracket, beyond which is a portion reduced in width and turned upward at a right angle 15 containing a central longitudinal slot 16.

A cylindrical casing 17 has an integral flat bottom 18 in which, offset from its center, are a pair of spaced slots 19 through which the lugs 14 are passed and at the center is another slot 20 to receive the slotted upright stem 15, after which the lugs 14 are turned inwardly to tightly hold the casing on the bracket.

Rotatable within the casing is a drum composed of a lower cylinder 21 having an outstanding flange 22, normally resting on the casing bottom 18, and an upper cylinder 23, tight fitted within the outer cylinder 21 and having a corresponding flange 24.

The upper cylinder has a flat bottom plate 25 containing a central circular opening 26 through which the stem 15 passes to act as a support on which the drum, as a unit, rotates.

Within the inner cylinder 24 is a coiled flat spring 27, its outer convolution having at its end 28 an opening to receive a prong 29, struck in from the wall of the cylinder 23 by which the spring is secured.

The inner end 30 is bent inwardly and anchored in the stem slot 16 through which it passes.

A fine flexible cord 31 is passed through a perforation in the lower cylinder, below the plate 25, one end being formed into a knot 32, while the main portion of the cord is coiled about the drum, as best seen in Fig. 3.

The opposite end of the cord is passed outwardly through an eyelet 33 set in the outer side of the casing 17 and engaged with the tip 34 of a pencil 35.

A cover 36, preferably presenting a convex surface, is provided with a bead 37 to engage over the edge of the casing 17 and has an annular band 38 to snugly fit its exterior; the stem 15 is preferably of such length as to contact the inner surface of the cover, preventing its collapse under pressure.

In operation the pencil is grasped and moved into any desired position, as in writing, the cord 31, as it is withdrawn, causing the drum to rotate against the action of the spring 27, which upon release of the pencil instantly returns the same to the position

shown in Fig. 1, where it is readily accessible for further use at all times.

It is to be noted that substantially all the several parts may be stamped from light gage sheet material and readily assembled.

Special attention is directed to the part shown in Fig. 4, combining as it does a number of functions ordinarily, accomplished by separate elements.

Although the foregoing is descriptive of the best known embodiment of the invention, it will be apparent that changes in shape, proportions and minor details may be made without departing from the scope of the appended claims.

Having thus described the invention and set forth in detail the manner of its construction and use, what is claimed as new and sought to secure by Letters Patent, is:

1. An implement retriever comprising a spring clip to engage a support, a bracket combined therewith having an upright slotted stem, a spring actuated drum revoluble on said stem, a casing surrounding said drum, means on said bracket to secure said casing thereto, a cover for said casing partially supported by said stem, and a flexible connection to a pencil normally coiled on said drum by action of the spring therein.

2. An implement retriever comprising a spring clip to engage a support, a bracket combined therewith having an upright slotted stem, a drum revoluble on said stem, a coiled flat spring in said drum, one end of said spring being engaged to the drum wall and the other end in the slot of said stem, a cord coiled around said drum and having one end attached thereto, a casing surrounding said drum and held on said bracket by means integral therewith, an eyelet set in the wall of said casing through which said cord passes, and means for attaching a pencil to the extended end of said cord.

3. An implement retriever comprising a support, a casing, a bracket having a horizontal plate member and a vertical stem, means on said plate member to rigidly engage said casing, a cover for said casing, said stem having a slot, a drum revoluble on said stem, a coiled flat spring having its inner end anchored in the stem slot and its outer end engaged within said drum, a cord coiled on said drum by action of said spring, said cord extending outwardly of said casing, and adapted to have an implement attached to its extending end.

4. An implement retriever comprising a spring clip, a casing, a unitary bracket directly connecting therebetween, an upright slotted stem on said bracket, a spring actuated drum revoluble on said stem within the casing, said drum spring being fixed in the slot of said stem, an implement having a cap, and a flexible connection to said cap leading through said casing to be normally wound on said drum by action of its spring.

5. An implement retriever comprising a spring clip, a casing, a unitary bracket directly connecting therebetween, an upright slotted stem on said bracket, a spring actuated drum revoluble on said stem within the casing, said drum having inner and outer body sections each provided with flanges, a cover engaging over said casing and resting on said stem, a cord coiled on said drum tensioned by the spring therein and extending outwardly of said casing, and means to connect said cord with an implement.

Signed at New York, in the county and State of New York, this 10th day of September, 1930.

HERMAN JAFFÉ.