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SLINGSHOT

Filed March 21, 1956

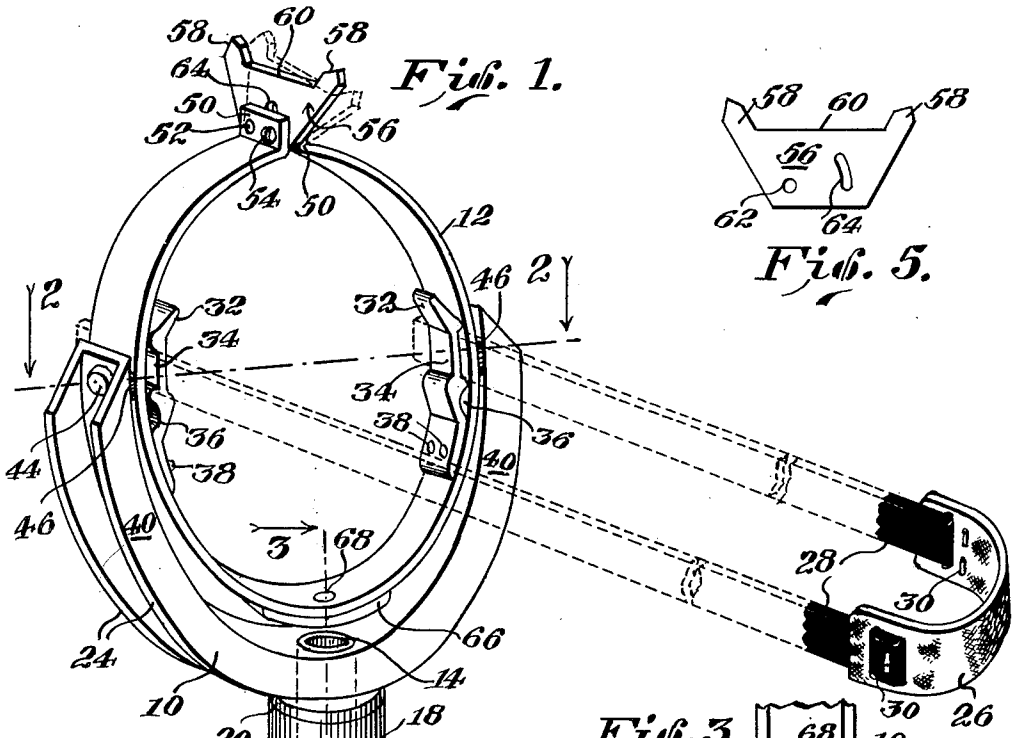


Fig. 1.

Fig. 5.

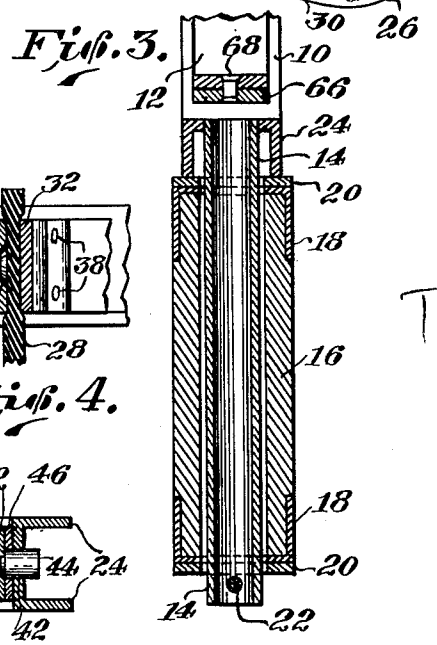


Fig. 3.

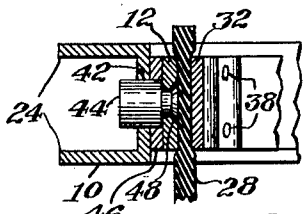


Fig. 4.

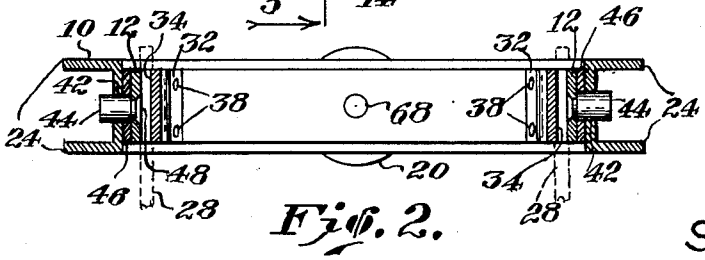


Fig. 2.

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SLINGSHOT

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1 Claim. (Cl. 124—20)

The present invention relates to a slingshot for shooting arrows, balls and other projectiles.

The invention broadly aims to provide a slingshot of sturdy design which is very accurate.

An object of the invention is to provide a slingshot having rubbers which may be easily replaced.

An additional object is to improve the construction of the main outer frame, and to provide an additional pivoted frame which is pivotally mounted on the main outer frame.

Other objects will appear hereinafter throughout the specification.

In the drawings:

Figure 1 is a perspective view of the slingshot with parts shown in dotted lines and partly broken away;

Figure 2 is a horizontal section taken on the line 2—2 of Figure 1;

Figure 3 is a vertical section, partly broken away, taken on the line 3—3 of Figure 1;

Figure 4 is an enlarged section similar to that shown at the left of Figure 2; and

Figure 5 is a front elevation of the sight.

Referring to the drawings, the numeral **10** indicates the main outer frame, and **12** indicates the pivoted inner frame. The main outer frame is rigidly fixed, by welding or other means, to the inner handle or support **14**. Rotatably mounted on the inner handle is the outer handle **16** that is provided with ferrules **18**. Mounted on the top of the upper ferrule and the lower end of the lower ferrule are thin pieces of sheet metal **20** having apertures through which the inner handle **14** extends.

The outer handle is held in rotatable position by the cotter pin **22**, and from upward movement by the flanges **24** of the main outer frame. The sling member **26** may be held to the rubbers **28** by any suitable means, such as rivets or staples **30**, shown in Figure 1. The opposite ends of the rubbers are tightly held in position on the pivoted inner frame by the spring fasteners **32**. Each of these is provided with a depressed or hollowed out portion **34** for the reception of the rubber end and an additional recess **36** is provided into which may be inserted a screw driver or other instrument for the purpose of spreading the spring fasteners for the insertion and removal of the rubber ends.

Each spring fastener is mounted, preferably at its lower end, on the pivoted inner frame by rivets **38**. The frame **10** provides trunnions **40**, whose upper ends have apertures **42**, as seen in Figures 2 and 4, for the reception of

a headed rivet **44**. Each rivet extends through the aperture of a washer **46** and through the mid-vertical portion of the pivoted inner frame **12**, the rivet head being shown at **48**, in Figures 2 and 4.

The upper ends of the pivoted inner frame are provided with bent portions **50**, only one of which is shown in Figure 1. Each bent portion is provided with a pair of apertures, one of which is for the reception of a rivet **52**, and the other for the reception of a screw **54**. The rivet **52** and screw **54** extend from one bent portion to the other.

Located between the bent portions is the sight **56**, provided with a pair of uprights **58** and a flat portion **60**. The sight has an aperture **62** for the rivet **52** and a slot **64** for the screw **54**.

It will be appreciated that the sight may be tilted about the pivot **52** when the screw **54** is loosened and may then be held in adjusted position by tightening the screw **54**, whereby the sight may be elevated or depressed and held in its adjusted position for different ranges or distances. The pivoted inner frame is provided with a weight or counterbalance **66** that may be held rigidly to the frame by the rivet **68**. The purpose of the weight is to maintain the pivoted inner frame in a vertical position.

The rivet **44** because of head **48** is preferably rigid with the pivoted inner frame **12**. The rivet however has a friction fit with the main frame **10** that permits manual adjustment of the frame **12** about the axis of the rivets **44**.

The above description and drawings disclose a single embodiment of the invention, and specific language has been employed in describing the several figures. It will, nevertheless, be understood that no limitations of the scope of the invention are thereby contemplated, and that various alterations and modifications may be made such as would occur to one skilled in the art to which the invention relates.

I claim:

A slingshot comprising a primary frame, a handle means connected to said frame, a pivoted secondary frame, means pivoting said secondary frame to said primary frame, attaching means on opposite sides of said secondary frame, contractible spring means held by said attaching means to said secondary frame, a sling member held by said spring means, said secondary frame including a substantially circular part having counterweight means adjacent the lowermost side thereof for biasing said secondary frame to a position in a vertical plane, said secondary frame circular part terminating in a pair of confronting bent portions and an adjustable sight having means for clamping the same between said confronting portions.

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