Oct. 13, 1953 H. C. MEATTE 2,655,062

MAGAZINE FED SINKER APPLYING PLIERS

Filed Sept. 24, 1951

Fig. 1

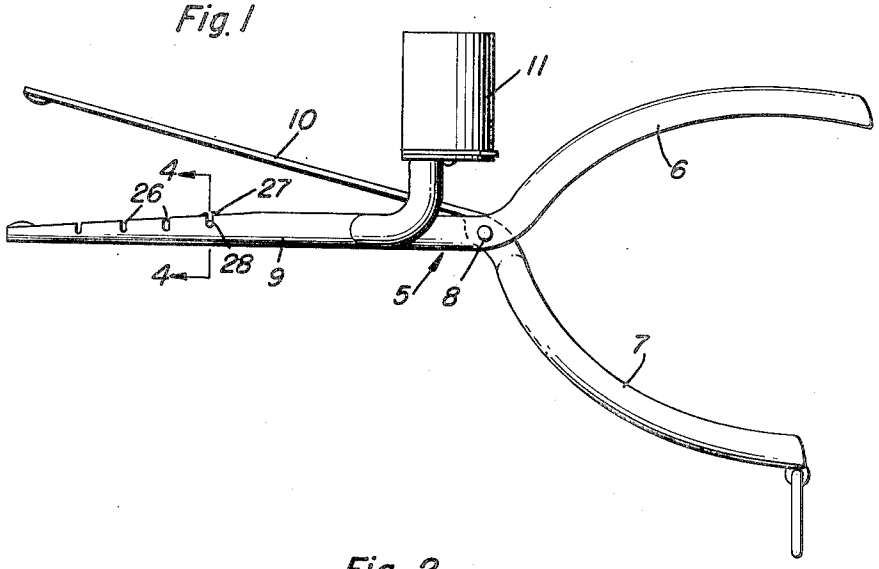
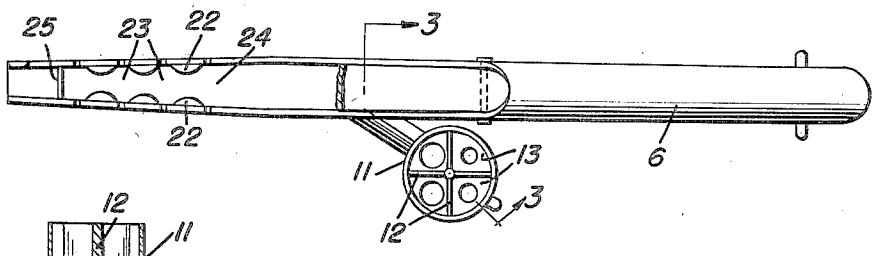


Fig. 2



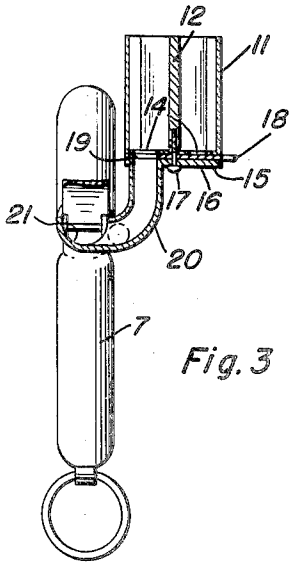


Fig. 3

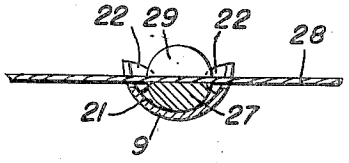


Fig. 4

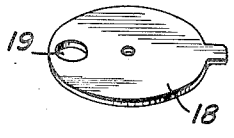


Fig. 5

Henry C. Meatte

INVENTOR.

BY Clarence A. O'Brien and Harvey B. Jacobson

Attorneys

Patented Oct. 13, 1953

2,655,062

UNITED STATES PATENT OFFICE

2,655,062

MAGAZINE FED SINKER APPLYING PLIERS

Henry C. Meatte, St. Louis, Mo., assignor of fifty per cent to Frank Leavitt, St. Louis, Mo.

Application September 24, 1951, Serial No. 248,003

3 Claims. (Cl. 81—15)

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The present invention relates to new and useful improvements in tools for applying lead shot to fishing lines for use as sinkers.

An important object of the invention is to provide a sinker applying tool adapted for holding and crimping a split shot on the line.

Another object is to provide a tool having coacting jaws and a magazine for holding and feeding split shot of different sizes to corresponding sized compartments in a stationary jaw of the tool for crimping the shot on a line by a pivoted jaw.

A further object is to provide a tool of this character of simple and practical construction, which is efficient and dependable in operation, relatively inexpensive to manufacture and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, references being had to the accompanying drawings forming part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a side elevational view;

Figure 2 is a top plan view with parts broken away and shown in section;

Figure 3 is a sectional view taken on a line 3—3 of Figure 2;

Figure 4 is an enlarged sectional view taken on a line 4—4 of Figure 1, and

Figure 5 is a perspective view of the cut-off disk.

Referring now to the drawing in detail, wherein for the purpose of illustration I have disclosed a preferred embodiment of my invention, the numeral 5 designates a plier type tool generally composed of a pair of handles 6 and 7 pivoted to each other by a pin 8 and having a channel-shaped stationary jaw 9 at the front end of handle 6 and a ribbon-like jaw 10 at the front end of handle 7.

A magazine 11 is open at its top and is provided with partitions 12 to form a plurality of compartments 13 therein, each having an opening 14 in the bottom 15 of the magazine. Bottom 15 is rotatably supported on a shelf 16 by a central pin 17 and a cut-off disk 18 is also rotatable on pin 17 between the bottom of the magazine and the shelf. An opening 19 is also formed in disk 18 adapted for aligning with a selected opening 14 and also adapted for aligning with the upper end of a chute 20 leading downwardly from one side of shelf 16 to the rear end of channel 21 in jaw 9.

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Jaw 9 tapers toward its front end to gradually reduce the width of the channel and which is provided with pairs of opposing lugs 22 and which are spaced progressively closer to each other toward the narrow front end of the channel to form sorting compartments 24 at the rear of the channel and a transverse pin 25 in the channel beyond the last pair of lugs also forms a sorting compartment at the front of the channel.

Aligned notches 26 are formed in the upper edges of the walls of the channel at each compartment.

In the operation of the tool split lead shot 27 of different sizes are placed in the compartments 13 of magazine 11, according to the size of the openings in the bottom thereof, and the magazine is rotated on pin 17 to bring opening 14 of a compartment containing a selected size shot into registry with chute 20. Cut-off disk 18 is then turned to register its opening with the opening 14 of the selected compartment to discharge one of the selected shot into the chute where it passes into channel 21. The shot then stops in one of the sorting compartments 24 according to its size and a line 28 is placed in the notches 26 of that sorting compartment transversely of channel 21 to enter the split 29 of the shot.

The channel is constructed of proper depth so that the upper split portion of the shot protrudes above the upper edge of stationary jaw 9 and the handles 6 and 7 are then squeezed to force jaw 10 downwardly to crimp or close the split 29 of the shot tightly on the line.

In view of the foregoing description taken in conjunction with the accompanying drawings, it is believed that a clear understanding of the device will be quite apparent to those skilled in this art. A more detailed description is accordingly deemed unnecessary.

It is to be understood, however, that even though there is herein shown and described a preferred embodiment of the invention, the same is susceptible to certain changes fully comprehended by the spirit of the invention as herein described and the scope of the appended claims.

Having described the invention, what is claimed as new is:

1. A tool for applying split soft metal sinkers to a fishing line comprising a pair of crossed handles pivoted to each other, a jaw on one handle having a recess adapted to hold a sinker therein, a second jaw on the other handle coacting with the first jaw, a magazine supported by the tool and adapted to feed sinkers singly to said recess for supporting the sinker therein in

a position to receive a line in the split thereof and said second named jaw closing the split about the line upon a closing movement thereof, said magazine comprising a rotatable body having individual compartments therein to hold sinkers of various sizes, each compartment having a discharge opening in its bottom, and a cut-off member movably supported under the magazine and having an opening adapted for aligning with the opening of a selected compartment to control feeding of the sinkers to the recess.

2. A hand tool for applying split soft metal sinkers to a fishing line comprising a pair of crossed handles pivoted to each other, a longitudinally extending tapering channel-shaped jaw on one handle, an elongated jaw on the other handle overlying and substantially co-extensive with the channel of the first named jaw and movable into a closing position relative to the channel of the first named jaw, a sinker feeding device supported on the first named jaw adapted to feed sinkers of various sizes thereto for traveling in the channel thereof, and internal longitudinally spaced apart stop means in the channel-shaped jaw forming individual chambers of

different sizes to trap sinkers of a corresponding size entering the channel.

3. The combination of claim 2, wherein alined notches are formed in the side edges of the channel-shaped jaw in the region of each chamber and adapted to receive a line extending transversely of the channel to enter a split in the sinker trapped in the chamber.

HENRY C. MEATTE.

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