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E. PUGSLEY

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TRY GUN OUTFIT

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2 Sheets-Sheet 1

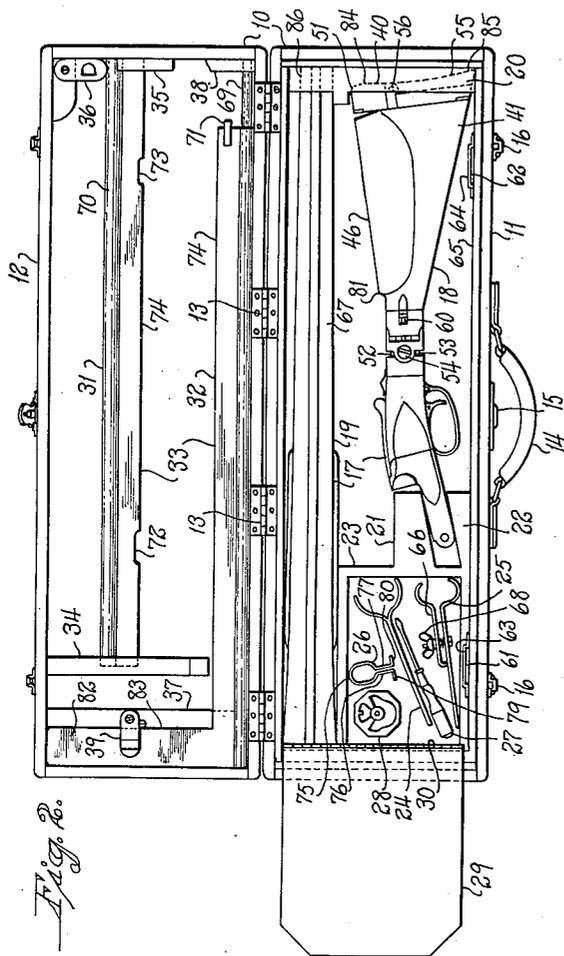


Fig. 2.

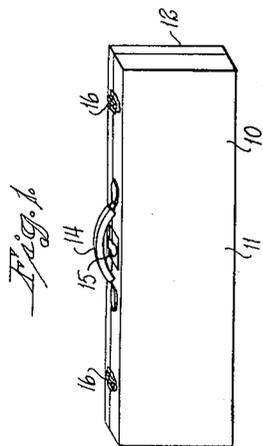


Fig. 1.

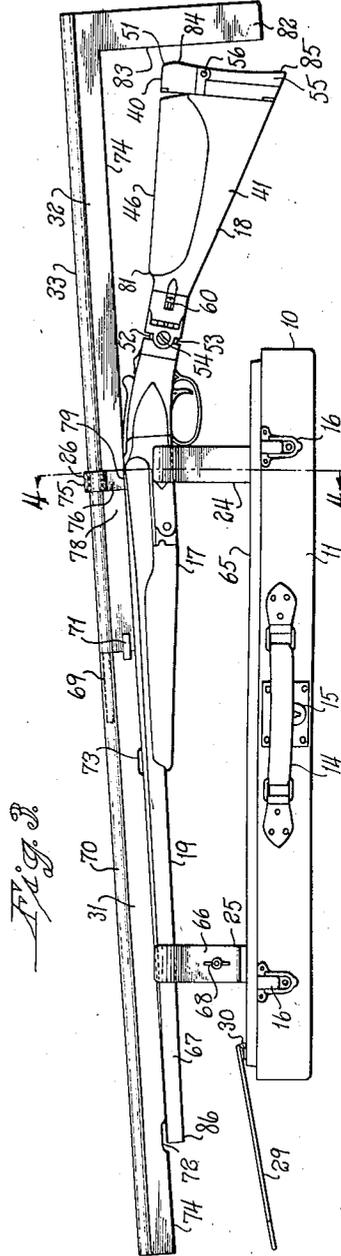


Fig. 3.

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TRY-GUN OUTFIT

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3 Claims. (Cl. 206—16)

This invention relates to try-gun outfits.

One object of this invention is to provide an improved try-gun outfit which will enable a gun fitter to readily take the gun measurements of a customer at any desired location whatever, for example, in an open field.

Another object of this invention is to provide an improved try-gun outfit formed of simple elements readily manufactured and readily assembled to produce an attractive efficient construction.

With the above and other objects in view, this invention includes all improvements over the prior art which are disclosed in this application.

In the accompanying drawings, in which one way of carrying out the invention is shown for illustrative purposes:

Fig. 1 is a perspective view of the carrying-case for the try-gun outfit, in closed condition;

Fig. 2 is a top plan view of the try-gun outfit with the try-gun in takedown condition, packed in the carrying-case;

Fig. 3 is a front elevation of the try-gun outfit with the try-gun in assembled condition and mounted on supports connected to the carrying-case, and with the straight-edge in assembled condition and mounted on the try-gun;

Fig. 4 is an enlarged vertical section on line 4—4 of Fig. 3;

Fig. 5 is an enlarged side view of the butt-stock of the try-gun, with the remainder of the gun broken away; and

Fig. 6 is a top plan view of a fragmental portion of the buttstock of the try-gun.

In the description and claims, the various parts are identified by specific names for convenience, but they are intended to be as generic in their application as the prior art will permit.

Referring to the drawings, the try-gun carrying-case or box 10 consists of a box or base-portion 11 and a cover 12 hinged thereto at 13. A carrying-handle 14, lock 15 and snap-catches 16 may also be provided.

The try-gun 17 is of takedown construction having the rear or buttstock portion or section 18 and the forward or barrel portion or section 19, which sections may be assembled and disassembled or taken down in any suitable well-known way. The buttstock section 18 and barrel section 19 are shown in Fig. 2 in takedown condition, packed in the box or base 11 by means of suitable block-members 20, 21, 22, and a small inner box 23 secured in the base 11. Box 23 provides a place for packing various small parts of the try-

gun outfit, such as a holder or supporting-member 24, a holder or supporting clamp-member 25, a straight-edge saddle or support 26, a screw driver 27 and a flexible steel tape 28.

A cover 29 hinged at 30 is provided to swing over and cover the box 23 and also cover one end of the barrel section 19 of the try-gun.

The cover 12 of the carrying-case serves to hold the takedown-sections 31 and 32 of the try-square or straight-edge 33. Section 31 of the straight-edge is held in place by means of blocks 34 and 35 and by a turn-button 36. Section 32 of the straight-edge is held in place by means of blocks 37 and 38 and a turn-button 39.

When the gun fitter desires to take the measurements of a customer for the purpose of ordering a special built-to-order gun for him, the gun fitter takes the complete try-gun outfit as illustrated in Figs. 1 and 2 and proceeds to any desired place, in order to take the customer's measurements, whether it be within a building or in an open field. On opening up the carrying-case to the condition shown in Fig. 2, the two sections 18 and 19 of the try-gun are removed from the carrying-case and assembled together as a gun, in a manner well known in the art of guns.

In order to determine the length of stock proper for the customer or shooter for whom a built-to-order gun is to be made, the butt 40 is adjusted toward or from the buttstock 41, as necessary. The butt 40 carries two pins or rods 42, 43, slidably engaging in corresponding openings in the buttstock 41. A screw 44 rotatably engages the butt 40 and screw-threadedly engages the buttstock 41, whereby rotation of the screw 44 in one direction or the other will move the butt toward or away from the buttstock 41. When the proper adjusted position has been found, the butt 40 is locked in its position by means of the lock-screw 45.

Another dimension to be determined is the drop at the comb 46. The comb 46 is pivoted at 47 for up-and-down swinging movement with relation to the buttstock 41. The swinging adjustment of the comb 46 is accomplished by means of turning the screw 48 in one direction or the other to cause the screw-shank 49 pivoted to the comb at 50 to move up or down as desired, to thus adjust the height of the comb 46 to the proper position.

To provide the proper amount of drop at the heel 51, screws 52 and 53 are provided, which, by proper adjustment, cause the buttstock 41 to

swing about the pivot 54 to the desired position of adjustment.

The proper amount or angle of pitch is determined as follows: the toe-portion 55 of the butt is pivoted to the butt at 56 and is normally swung toward the butt by the tension-spring 57 which has one end secured to a bracket 57^a secured to butt 40. To swing the part 55 away from the butt 40 against the action of the tension-spring 57, the screw 58 is suitably rotated.

In order to swing the buttstock away from ("cast-off") or toward ("cast-on") the face of the shooter, as may be necessary, the buttstock is provided with a vertical pivot-connection 59 about which the buttstock can be moved and secured in various positions of adjustment by means of the two screws 60 on opposite sides of the buttstock.

After the try-gun has had its various parts adjusted to fit the customer or shooter, and in order to make sure that the shooter is satisfied with the fit of the gun, he can fire the gun to actually test the fit of the gun under firing conditions. The next procedure is to take the measurements of the various adjustments in order that they may be transmitted to the manufacturer, in order that a special built-to-order gun may be made which will be a duplicate of the fit provided by the try-gun.

In order to take the measurements, the holders or supporting-members 24 and 25 are frictionally forced down into place into the sockets or openings 61 and 62 provided between the bracket-plates 63, 64 and the wall 65 of the base 11. The try-gun is thereupon placed in the crotch of each of the supporting-members 24 and 25 in a position such as illustrated in Fig. 3, and the clamp-plate 66 of the supporting-member 25 is forced into gripping engagement with the gun-barrel 67 by means of the wing-nut 68, to thus firmly secure the try-gun in position.

The straight-edge or try-square 33 in the particular construction illustrated in the drawings is assembled by having the reduced cylindrical shank 69 of the section 32 frictionally slide into the tubular portion 70 of the section 31 and by having two guide-blocks or lugs 71 secured on opposite faces of the section 32 and adapted to slidably engage the opposite faces of the section 31, to thus hold the two sections 31 and 32 together and properly aligned with one another. The section 31 is provided with cut-out portions 72 and 73 in its lower edge, in order to clear gun-sight members and permit the lower edge 74 of the straight-edge 33 to rest properly along the upper face of the sight-rib of the gun. The straight-edge saddle or supporting-clip 26 has a somewhat elliptical eye-portion 75 and flat side-portions 76, 77 adapted to resiliently frictionally engage the opposite flat faces 78 of the section 32 of the straight-edge 33. The elliptical portion 75 of the clip 26 permits of up-and-down sliding adjustment of the clip 26 to bring the supporting-feet 79 and 80 into engagement with the barrels of the try-gun to support the straight-edge 33 in proper position with its lower edge 74 in perfect engagement with the sight-rib of the try-gun.

With the straight-edge in the position illustrated in Fig. 3, the distance between the lower edge 74 of the straight-edge and the front end 81 of the comb gives the drop-at-comb measurement; the distance between the edge 74 of the straight-edge and the heel 51 gives the drop-at-heel measurement; and the distance from the

center of the trigger to the center of the end of the butt gives the length of pull.

To determine the pitch, the rear end 82 of the try-square 33 is swung downward and the try-square is moved forward until the edge 83 contacts with locations 84, 85 of the butt, whereupon the pitch will be the distance between the muzzles 86 of the barrels and the edge 74 of the try-square. Other measurements, not necessary to describe, may also be taken.

After all measurements desired are taken, the try-square is removed from its position on the gun, the supporting-clip 26 is slid off the end thereof, and the try-square is disassembled into its takedown position by pulling the parts 31 and 32 apart and placing the parts in their original position in the carrying-case. The wing-nut 68 is then loosened, the try-gun is removed from the supports 24 and 25, readjusted to its approximate normal positions of adjustment, and disassembled to its takedown position, and the parts 18 and 19 are placed in their original position in the carrying-case. The supporting-members 24 and 25 are then pulled out of their supporting-sockets and placed in the box 23, whereupon the small cover 29 is closed, and the main cover 12 can be closed and locked, ready for the carrying-case to be transported to any place desired.

The invention may be carried out in other specific ways than that herein set forth without departing from the spirit and essential characteristics of the invention, and the present embodiment is therefore to be considered in all respects as illustrative and not restrictive, and all changes coming within the meaning and equivalency range of the appended claims are intended to be embraced therein.

I claim:

1. A try-gun outfit comprising: an adjustable takedown try-gun; a takedown straight-edge from which gun measurements are taken; supporting means for said try-gun when in assembled condition and detachable therefrom; a carrying-case constructed to receive said try-gun and said straight-edge only in their taken-down condition, said carrying-case being provided with means for supporting said try-gun supporting means in operative assembled-try-gun-supporting and gun-measurement-taking position with said carrying-case resting in stable supporting position.

2. A try-gun outfit comprising: an adjustable takedown try-gun; a takedown straight-edge from which gun measurements are taken; straight-edge support-means adapted to engage said straight-edge and engage said try-gun and permit the straight-edge to properly engage the try-gun and support the straight-edge against rocking; supporting-means for said try-gun when in assembled condition and detachable therefrom; a carrying-case constructed to receive said try-gun and said straight-edge only in their taken-down condition, said carrying-case being provided with means for supporting said try-gun supporting-means in operative assembled-try-gun-supporting and gun-measurement-taking position with said carrying-case resting in stable supporting position.

3. A try-gun outfit comprising: an adjustable takedown try-gun; a takedown straight-edge from which gun measurements are taken; straight-edge support-means adapted to slidably frictionally adjustably engage said straight-edge and engage said try-gun and permit the straight-edge to properly engage the try-gun and support

the straight-edge against rocking; supporting-means for said try-gun when in assembled condition and detachable therefrom; a carrying-case constructed to receive said try-gun and said straight-edge only in their taken-down condition, said carrying-case being provided with means for supporting said try-gun supporting-means in operative assembled-try-gun-supporting and gun-measurement-taking position with said carrying-case resting in stable supporting position.

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