

M-720-722-725

Customer Advantages

of
PROPOSED SIGHTS

STOCK

1. Allow "iron sight" stock to be made rather straight and high combed for Lesser Recoil.
2. a. Serve as useful (naturally aligning) auxiliary sights when scope is added to outfit.
b. Scope added later requires neither a new stock nor new auxiliary sights - which, with the usual "low" iron sights affixed, requires unbrasing the sight ramp and recoloring of the barrel.
c. Location of rear clears any scope eyepiece.
3. Eliminates slot in barrel.
4. Provides, for target or varmint (.22, .24, .257), scope block attachment at standard 6" (or standard 7.2" on M/740) inter-block distance, with standard scope block form, hole spacing and threading.
5. For users of receiver sights:
a. Provides "clean" barrel when scope holes are filled with the receiver plug screws removed from the receiver on attachment of the receiver sight.
b. No extra "slot blank" to buy to crudely fill up slot in barrel.
6. Provides easy and accurate windage adjustment in the field without danger of damage to barrel or stock from "pounding" on dovetailed leaf.
7. Gives increased low relief to rear sight, allowing it to be seen in much sharper silhouette than the current design, in accuracy of aim, the trifling loss of light is negligible.
8. Front bead is stronger, has more area to allow easier "picking up", and has flat face to eliminate "shooting away from the light".
9. Neatly contoured front ramp and sight, and "integration" of appearance between front ramp and rear base.
10. Elimination of "buckhorn" on M/740-760.

CCC:NL

3/9/56

"QUOTES"

RULES

by Dunlap: in re M/70 Winchester

"Winchester maintains a custom department..... Bob Owen was for a good many years head of this department..... He had a good bit to do with the design of the Model 70 stock..... It is a wee bit long for the average... The fore-end is at least comfortable and well proportioned."

by Dunlap: "— every gun handle out, from Bishop blank to Super-Grade Winchester 70, and every sporting stock cut from the blank by any stockmaker is influenced by the lines Bob Owen set down in the 1920's."

GRIP

by Crossman: in re the M/30

"The grip is a lovely goose-neck pattern, too long and too thin. The forestock is utterly inadequate, and to make this better has the forward sling eye too near the trigger, interfering with the left hand..... It is all in all one of the best stocks to take off and replace with another I have ever seen, the old one being used for any purpose which may come to mind except as a rifle stock."

in re the M/30S

"(Grip $4\frac{3}{4}$ " circumference). The M/30 Special is still open to minor improvement in that the grip ought to be five inches around for comfort and strength....."

by Crossman: "The well shaped grip gives the trigger finger a free and easy reach to the center of the trigger with the fleshy bulge half way back between the tip joint and second joint of the finger."

"The average hand is better suited with $4\frac{7}{8}$ inch (circumference) than the still heavier grips often advised. The 5-inch circumference is a bit safer with cheap American walnut as Baker points out. I prefer the rather oval shape but not so much as to get slab-sided like some American guns; this leaves the center of the hand thoroughly out of touch with the grip of the rifle."

(Note: M/740-760 forced to be slab-sided by narrow receiver)

by Dunlap: in re M/70 Winchester

"circumference of grip $5\frac{1}{8}$ " ✓

PULL

by Dunlap: "A slightly short stock makes for a fast handling rifle. I believe in short buttstocks, and found some support from Jack O'Connor who stated to me one day that his theory now is that most men get their rifle stocks too long and their shotgun stocks too short. It is a fact that the longer a man uses a rifle, the shorter his stocks become."

by Crossman: "Generally speaking, the man who shoots much rapid fire prone and is a skilled and fast expert in this game, does not want over 13 inches of butt stock with a bolt action rifle if he is of average size, which may be taken as 5'8" to 5'9". On the other hand the same size and build of man who shoots only offhand and has no intention of operating the bolt from the shoulder or of doing much rapid fire work will find 13 1/2" more comfortable."

"More shooters will be fitted with a stock of 13 1/4 inches than of 13 5/8 inches."

DROP & LINE OF SIGHT RECOIL

by Dunlap: In re M/721 Low Comb

"Stock has no redeeming feature, from where I stand. Shaped on the general lines of Remington's cheapest .22 bolt actions, it makes a beautifully clean-cut rifle to look at, but one of the saddest to shoot you ever met." "Remington slipped here, badly. Maybe they thought they were putting out a job ideal for quick snap-shooting, but I have had quite a few men try throwing the rifle up fast and they all report the same result I get, -- nothing is visible but the rear sight..... The drop of the stock seems much more than it is, and if decreased will help reduce recoil as well as make the rifle much more comfortable. As it is, in .30-06 or .270 caliber, the M/721 kicks like the proverbial army mule."

"The little brother of the M/721 is the 722..... This peddles at \$86.55 and you still need a stock for it."

DROP, PITCH, & RECOIL

by Crossman: "The minimum of recoil is obtained with a straight stock and reasonable pitch -- the straight stock to avoid putting the resistance to recoil far below the line in which it starts; the pitch to avoid having to cramp the face down too much to get in the sight line."

PITCH

Howe: The Modern Gunsmith: "....the pitch...must be taken into consideration. If you are a heavy set person with a full chest, you will require considerable pitch. This, in your case, would be from 4 to 7 inches. For a thin person 3 to 3 1/2 inches is correct."

SIGHTS

by Crossman: in re the M/30

"The rear sight is the ancient and obsolete buckhorn preferred by nearly everybody who doesn't know any better. Front Sight is a gold bead, both mounted on barrel bands, which is one point to the good".

by Crossman: "The barrel must never be slotted in any way".

by Howe - The Modern Gunsmith:

"Rear sight bases - Quite often it will be desirable to fit a folding rear sight on a barrel not slotted; and present ideas advise strongly against the cutting of any slots in the barrel.

The most satisfactory method of securing a rear sight to the barrel not slotted is by means of a solid base sweated and screwed into position."

FORE-END

by Crossman: "In no case should there be a sling eye or other sling attachment nearer to the trigger than 15½ to 16 inches unless the owner is quite short armed or unless the buttstock - not the forestock - is quite long."

3/9/56