

DON'T SAY IT—WRITE IT

TELEX 4-10-78

To E. F. BARRETT

DATE April 10, 1978

FROM C. B. WORKMAN

LIMITED DISTRIBUTION

NOTES FOR MANAGEMENT STAFF MEETINGM/1100 Weighted Skeet Guns

Design and drawing work for the .410, 28 and 20 Ga. guns is complete and Model Shop work is on schedule. We expect to start testing the LT-20 this week.

revised latches

M/1100 Waterfowl Gun

All design and drawing work is complete except for checking. Prototype parts are being ordered from the Model Shop. Transmittal to the Plant will take place this month assuming no further changes in specifications.

XSG

The first XSG-A3 prototype is being assembled and should be ready for preliminary testing by April 21, 1978. *The end of this month*

M/742 - 760 New Generation

The first phase of testing for experimental firing pins to eliminate primer blanking at proof is complete. Two guns have been shot, one with a .049 diameter firing pin tip and the other at .056. Both guns use a radiused firing pin exit hole and a low energy return spring to increase firing pin inertia. The 30-06 proof ammo being used shows a peak pressure of 77 C.U.P. (spec. 66.5 - 71.5 C.U.P.). Neither gun blanked a primer after 30 exposures.

Further testing will include an additional 100 proof rounds per gun and an endurance test of the same designs. Endurance testing will be conducted with two extra guns which have already been prepared.

slam fires - no mark.

The Plant expects to have 200 Trial and Pilot guns complete and ready for test by May 1st.

Bench Rest Bullets

Fifty thousand 6mm, 68 gr. bench rest bullets have been delivered to the warehouse at the end of March. Industrial Engineering is going to review the bullet manufacturing process prior to an efficiency study.

TO BE SAFE, FIRST THINK YOU MIGHT NOT BE

To: E. F. Barrett
 From: C. B. Workman
 Notes for Management Staff Meeting

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Model 3200 Skeet Set

28 Ga. bottom barrels for Trail and Pilot guns were found to be .035 undersize in the chamber area. The cause was an error in tool design. These barrels will have to be made again. No Research activity.

Nylon 66 Improvements

All parts for prototype guns with the new bolt lock feature are due to be completed by the end of the month. *Receiver cover*

A new scope mount of stamped construction design has been sent to our vendor for a feasibility check. He will provide rough cost estimates for various material thicknesses.

Design of a machined steel mount is underway and will be completed this week *or cast*.
is complete and transmitted.
1 quote.

Model 6600

Fabrication of a round barrel, radiused receiver mock up has been delayed due to project priorities, as has drawing work for functional prototypes.

~~Some technical points need to be reviewed with the vendor before we place an order for prototype, injection molded stocks. This will be done this month.~~

We are placing an order for stocks.

M/870 Competition Trap

The test gun has had 50,000 rounds of satisfactory endurance testing. Four (4) guns have been finished for Marketing field test. They will be delivered to Bridgeport to begin testing April 11th.

M/600 Carbine Styling - M/700

Eight (8) models will be ready by April 14, for Marketing focus panels.

Two prototype bolt lock systems have been put on M/600 actions. The third one will be ready by April 14.

CBW:bd

"A" Series Photos

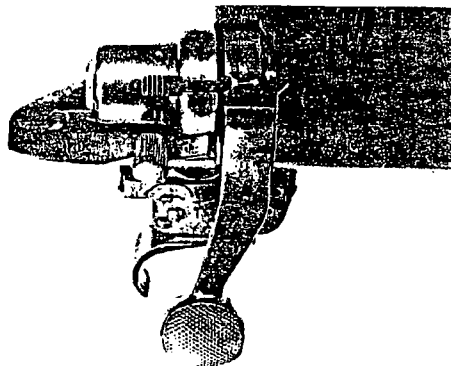
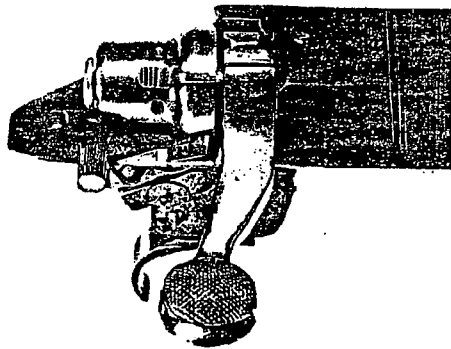
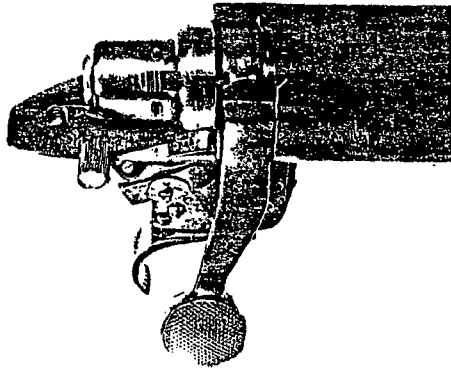
Bolt lock on bolt plug - independent of safety

A-1 Gun cocked - ready to fire
Safe in "Fire" position
Bolt locked

A-2 Gun cocked
Safe in "ON SAFE" position
Bolt locked

A-3 Gun cocked
Safe in "ON SAFE" position
Bolt latch depressed
Bolt is unlocked and can be rotated

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"B" Series Photos

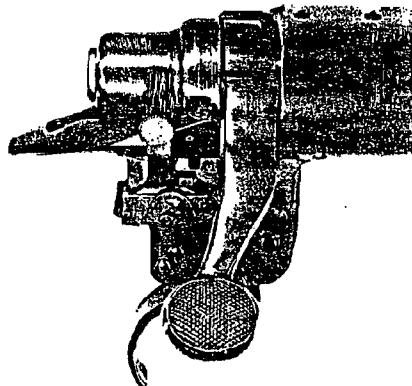
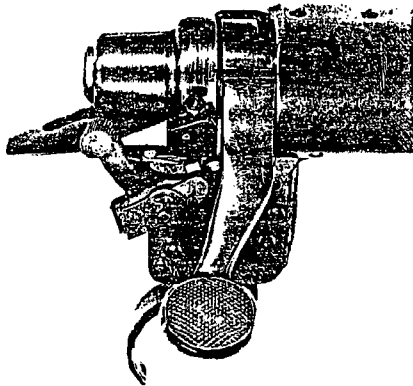
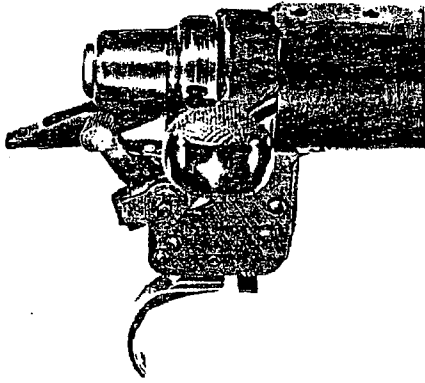
Bolt lock is mounted and can work independently of safety lever.
Button shown in photo to right of safety lever is bolt latch
actuating button.

B-1 Gun cocked - ready to fire
Safe in "Fire" position
Bolt is unlocked

B-2 Gun cocked
Safe in "ON SAFE" position
Bolt is locked

B-3 Gun cocked
Safe in "ON SAFE" position
Bolt latch actuating button depressed
Bolt unlocked and can be rotated.

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"C" Series Photos

Bolt lock is mounted, as in "B" Series, independently of safety.

C-1 Gun cocked - ready to fire
Safe in "Fire" position
Bolt unlocked

C-2 Gun cocked
Safe in "ON SAFE" position
Bolt locked

C-3 Gun cocked
Safe in "ON SAFE" position but is pulled rearward to unlock bolt

F.E. Martin:T
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