

Modelling Program: Report

J W Brooks

6-22-78

11) 870 Competition Test

Several ~~parts~~ have been redesigned to reduce the inordinate heavy loading indicated in existing aluminum magnetic caps, ^{shorter} shorter and return nut, shorter Fore and tube + remove material from vent side ports. Tests are to be run to see what effect ^{slightly} at lighter piston will have on result.

1100 - 870 Target Trigger

Two models for the 1100 have been completed. Two models for the 1100 will be completed by the end of June. They will then be put in test in the test lab. ^{planned work has been initiated}
7 MM - 06 DEH

Transmitted a drawing of the new design.

Mechanical Trap

Operative Committee approval of the ~~first~~ ^{first} Solenoid Trap was received on June 13. Transmittal drawings should be complete by next week. The manual should be complete by August.

The Solenoid Release trap with cocking lever is still in field test.

1943 Carbine

Marketing is setting up a plan for
a variety of uses.

11541-22 Hermet.

a single shot model was assembled & buffed.
Because of assembly problem headspace was
.073. J.A.M.I. recommends .065 to .072. The
headspace did not change during assembly. After
18 rounds a head separation was experienced. Head
space was still .073.

A new bolt was fitted giving a head
space of .066. The distance was .067.

The new bolt was fitted with a new head.

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a fire control stud was broken. It is
being repaired so that further testing can continue.
Because it is felt that neither a broken stud causes
the tight bolt lift problem a new assembly
is being made with approx 20% more material
at the injection port & no repair is needed. This
should be ready for assembly within three weeks.

U700 Fire control

a Sample steel safety can assembly & trigger
have been finish assembled into a fire control.
Attention has been made and more parts will
be ready for assembly & test than before.