

ILION RESEARCH DIVISION
MONTHLY PROGRESS REPORT
JANUARY 1978

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MODEL 3200 SKEET SET

Nothing new to report.

MODEL 870 COMPETITION TRAP

Marketing has furnished a report on their initial testing of the M/870 Competition Trap gun compared to the Perazzi Single, Winchester M12, and the Browning BT99. The overall rating of our Competition Trap gun was second only to the shooter's own gun.

Endurance testing has started with approximately 20,400 rounds to date on one gun. The gas seal on this gun is blown out every 500 to 1500 rounds. To overcome this a second gun was tested with the gas seal removed and the piston area increased. The velocity and shoulder forces were similar. This gun has had 2500 rounds in the endurance testing to date.

A third gun failed after approximately 172 rounds due to a poor braze joint between the gas cylinder and the barrel. It was repaired and failed again after 204 rounds. Brazing was poor. This gun was removed from endurance testing.

The retaining screw that holds the fore end to the sleeve has failed several times. Redesign is in progress.

NYLON 66 IMPROVEMENTS

Nothing new to report.