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JWB:Brooks:TMODEL 870 COMPETITION TRAP SHOTGUN

While using production guns to test fore end tubes to solve the breakage problem, premature cracking of the receiver was encountered. To further investigate the problem strain gage measurements were made on the standard Model 870 shotgun and the Model 870 Competition Trap shotgun. Measurements at the rear of the receiver ejection port opening on the M870 Competition Trap shotgun and a standard M870 shotgun show similar readings.

Measurements on the side of the same locking block in a M870 Competition Trap shotgun and a standard M870 show similar results. When the magazine cap is loosened one turn both guns show similar strain gage measurements but the reading is double that which is registered when the caps are tight.

Two production guns are in test and the magazine caps are being checked every 25 rounds and tightened if they have loosened. One barrel retaining sleeve has been replaced after 400 rounds because the tab holding the detent spring was bent, preventing the detents from fully engaging the magazine cap. One gun has a heat treated fore end tube with greater area thru the thread section and the other gun has a soft thick wall tube.

The guns have 8,000 rounds to date.