

December 4, 1973

MODEL 700

Some of you know about the strength tests Remington has run and is continually running on firearms. These tests were started prior to the introduction of the 721-722. Certainly you all know the 700 is an improved 721. The same strength characteristics are incorporated in the basic construction.

Wayne mentioned that the more recent copies of the 700 construction in competitive rifles are not full copies and that their resultant strength is below the 700. We have advertised the basic construction so it is not a secret. The real strength value lies in the unbroken shroud recessed in the barrel counterbore and then supported by the receiver hood. Shrouding without support or leaving a gas escape path with a shroud cut through for an extractor is an extremely poor practice as we have been able to demonstrate in these strength tests.

These tests are run by shooting progressively heavier loads of 4198 in usually the 30-06 since this caliber gets the answer quicker than some others. If no firearm failure occurs with maximum pressures by this method, extra bullets are added ahead of the loaded round, but touching. Many of the popular rifles fail without going to this extreme. When I say fail, I mean that there are flying pieces. This occurs with a caseful of the wrong powder.

The 700 takes 5 bullets ahead of the loaded round. The action seizes so that it cannot be opened. The stock usually cracks from recoil but there are no flying pieces. Its purely a matter of preventing massive gas leakage. Incidentally, we can measure

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pressures to about 250,000 psi with reasonable accuracy. Beyond that is no man's land. This capability is not necessary on an action that flies apart. 10,000 psi applied to large action areas will cause breakage.

(1) The most obvious change is appearance. The new stock has cut checkering, full wrap around on the fore-end, slimmer grip, fuller fore-end, and new butt plate and pistol grip cap.

(2) The most important change from a mechanical standpoint is the addition of a bolt guide. The bolt guide makes the smooth bolt of the 700 even smoother, especially on the long action.

(3) The bolt knob has been moved forward to give more clearance over the grip hand in recoil.

(4) The follower is now fabricated from solid stainless steel.

(5) The new ramp type rear sight is a welcome change for those using open sights.

(6) A real improvement in appearance on the magnums is the recoil pad with smooth exterior.

These changes make the 700 a rifle with full custom appearance and mechanical features second to none and superior in some ways to all.