

Mailed 11/27/65

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cc: F.E. Morgen - Bridgeport
E.S. McCawley - Bridgeport

Ilion, New York
November 18, 1965

*noted 5-1
J. T. 9*

Dear _____:

A Model 600 in the 6.5MM Remington Magnum Caliber Carbine is being shipped to you for field test and evaluation. Sixty rounds of ammunition in 120 grain will also be shipped from Bridgeport for your testing.

These carbines are factory produced and tested, and are similar in every respect to the 350 Magnum carbine with exception of the caliber. The 6.5MM Magnum will provide long range shooting equipment for the enthusiast who is interested in that combination for big game; provides a high velocity, flat shooting, accurate carbine. The accuracy is excellent and 5 shots under one inch at 100 yards is not unusual.

The 120 grain pointed corelokt bullet used in this combination has already been field tested and found to be very effective on mule deer, antelope and elk, and of course it is an excellent combination for long range shooting of smaller game such as coyotes, foxes, badgers, and on varmints such as crows, chucks, etc..

The ballistics of this combination have not yet been officially released, but they will be forwarded to you as soon as possible. One might say that the ballistics of the 6.5 Mag. are quite comparable to that of a 270 Win. and although Remington is only furnishing this caliber with 120 grain bullet, the handloader will find an unusually good spread of bullet weights from the custom bullet shops, in everything from 100 grain up to and including 160 grain.

One might ask, why replace the 270 with a 6.5 Magnum. The 270 is a longer cartridge and requires a longer receiver, therefore resulting in a heavier, more cumbersome type of rifle. To keep our concept of magnum carbine in its own category it was necessary to develop this efficient, high velocity cartridge to fit the carbine itself.

The following is a review of the designer's specifications submitted to you last year on the 350 Magnum Carbine. All items listed apply to the new combination.

1. The new barrel is MAGNUM weighted and extra heavy for rigidity, although still carrying the same general barrel contour as the standard 600 models. The barrel is free floating and equipped with standard factory open sights.

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2. The MAGNUM stock is of walnut and beech wood, laminated for greater strength and waterproofed to prevent warpage. With custom checker and the now famous Du Pont RK-W finish applied, this gun gives a pleasing overall two-color effect.
3. The action is the same weight and general characteristics as the present standard 600 action. However, it is epoxy bedded into the stock for maximum accuracy. This insures return of the barrel to the same bedding position shot after shot.
4. The sight line carries the same general characteristics with the free floating Delrin ventilated rib. This Du Pont material is impervious to weather, warping, etc..
5. Telescope Mounting - The M/600 MAGNUM model will introduce for the first time a raised barrel bracket. This elevated projection located between the joining point of the receiver and barrel serves as a recoil support for mounting of a telescope base. Or in other words, when shooting heavy caliber cartridges this new barrel bracket provides a "back-up support" for the telescope. This will insure positive firm positioning of telescope when shooting.

Further mounting features include for the first time a forward mounting facility (removable rear sight) for telescope bases. With this forward mounting of telescope, offhand shooting is unobstructed from loading to ejection of cartridge. Long eye relief effect is thus obtained which gives much clearer picture in big game hunting, particularly if the game is in movement.

A standard short eye relief mounting may also be made if desired.

6. Recoil Pad - A black recoil pad with white spacer is fitted to the butt of the stock, which softens recoil for all types of shooting.
7. All MAGNUM models will be fitted with a 7/8 inch quick detachable leather carrying strap as standard equipment.

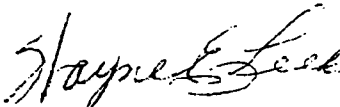
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Please test this new Model 600 Magnum Carbine for function, feeding, extraction, ejection, trigger pull, etc., for accuracy at 100 yards both offhand and bench if possible, and evaluate carrying qualities.

If any malfunction occurs, please return ammunition, either fired or unfired, related to this condition.

Please complete the test at the very earliest date ---- return in 2 weeks time at the latest. Insure Carbine for \$500.000 upon return.

Your report should be directed to F.E. Morgan with copy to W.E. Leek at Ilion. Any additional distribution will be made by F.E. Morgan.



W. E. Leek
Manager - Firearms Research Division
Ilion Research Division

All tests and reports must be

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with no outside source or customers aware of same.

W. E. L. T