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F. E. MCR GAN

MODEL 700 BOLT HANDLE

Yesterday I sent down to you vie Remington truck a M/700 bolt having an experimental handle. It is proposed that this handle would be hade from a different process, than at present I. a Torneo instead of precision cast.

Assuming that the physical characteristics can be made equal or better than at present this process does require that we abandon the fine cut checkering on both sides of the ball. Fine cut tooling would not stand up for impressing such small checkering instead we would provide a "cameo frame" shape surface area. This is formed with amount out shaped dies under high pressure. Functionally it is easter on the hands. Some people complained of the checkering being a little goughto operate a hard or stiff bolt. Many of us also like appearance better.

Why do we want to chappy the toll handle? Mostly because of cost. This would be the same type of processing as on present M/SOC bolt handle. Also, the Plant has from time at time appropried roughs with gracked castings in present bolt handles we must continuously hold for acres of savings in order to enry absent of rising costol shot materials and issue. I believe that the entiripeted savings on this term is in the neighborhood of lower \$10,000 per year (40 Section)

Miles welker has been steptical since destrable to avoid changes; At the same time believe he simile that the cross-hatched checkering on present bolt is hard on one's hands. He was also skeptical of the process providing sufficient hardness for the prinary extraction cams. I believe that tests showed the present process was not yielding as good of betten physical properties in this menner as might be obtained from the formed steel. As to appearance, I believe that Mike will go slong with opinions of mejority since actually the change in looks is not very significent. We would hold the comput shape of the ball as at present.

Please put the bolt in a rifle end show it around, and let us have word on opinions.

There is a small joint visible at the bolt handle stem. This is because we did not wish to pay for making up tooling for forming the entire bolt, but simply the ball and neck area. So we had this stub welcod on another handle from which we had cut off the bolt handle ball.

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