

trigger pull meet specifications. A new Model 81 firing pin to eliminate marked primers was designed and tested. A great amount of work was done to track down and eliminate causes of V. A. Browning's complaints.

Project: Technical Assistance to Plant - TP-3006-2  
Personnel: R.H.Grace, C.F.Benner, W.T.Lennox, G.H.Hart, L.A.Rix, R.P.Kelly

Copper brazing Model 81 magazines has been done with satisfactory results. Custom Repair Department has had help on repairing Model 81 barrel extension, and a procedure written. Jacket heads on Model 81 have had attention as well. Induction brazing Model 31 action bar to eliminate riveting is also under tests. Furnished a cost estimate on suggested change in Model 121 action bar. Numerous drawings were changed to comply with requests for wider limits, more specific information on dimensions, materials, etc. Certain parts were redesigned (and tested) to facilitate production.

Project: Setting Up Procedure For Review Of Product Specifications - TP-3006-1  
Personnel: R. H. Grace, C. F. Benner, B. C. Andrews

1. Five material specifications have been issued.
2. Sixty-two heat treatment specifications have been issued.
3. Forty-seven heat treat inspection specifications have been issued.

Project: Preparation of Model 81 Service Manual - MCI-1233  
Personnel: W. B. Kennah

Work is being done on the copy and illustrations for an instruction manual covering the servicing of the Model 81 rifle. This work is nearing completion.

Project: Engineering Study of Current Arms Models - Model 11 Shotgun - TP-3413  
Personnel: R.H.Grace, C.F.Benner, B.C.Andrews, W.T.Lennox

Some work was done on heat treatment specifications which have been put into effect. Estimates were made on induction brazing of one-piece and two-piece barrel guides. This project is being closed out and all work turned over to Plant Production Engineering and Control Section.

Project: Polish Model 31 Components Comparable to Model 12 Winchester - TP-3403-5  
Personnel: W. T. Lennox