

REC. R.A.A.H.  
JAN 5 1946

R. A. Mentschev  
W. H. Holloway  
M. H. Smith  
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File: 1700JYW 1700JW  
17002 17004W  
17009WX 17022W  
17027X 17040  
17045 17050

January 4, 1946

TO: S. M. Alvis  
FROM: M. H. Smith  
SUBJECT: PRODUCTION ANALYSIS M-721

Herewith is a lucubration entitled "Production Analysis of Ten Parts for Model 721 Rifle". This analysis is accompanied by marked prints for each of the ten parts involved.

We regret that our analysis of these parts was not started much sooner, but having carried it to its present state, we wish to present it for study to show the direction of our thinking in order that any desirable principles evolved may be applied to future parts. We would appreciate the opportunity to discuss the details of this analysis with you at your convenience.

It is requested that serious consideration be given to each change suggested, not necessarily from the standpoint of the Model 721, but from the standpoint of general broadening of tolerances which will be extremely beneficial to our manufacturing procedures in the future.

*M. H. Smith*  
M. H. Smith  
Engineering Section  
Technical Department

H. L. Lewis:JP  
Attach