

xc: R.L. Hall D.J. Anderson
H.K. Boyle J.H. Sweeney
J.C. Hutton G.J. Hill
C.B. Workman L.B. Bosquet
J.P. Linde R.C. Bottini
R.S. Swartz E.A. Burdick
G.E. Fletcher Est. #4019

File

July 28, 1980

G.D. Campbell

M/700-788 Rivetless Extractor

An economic evaluation of the proposed rivetless extractor for M/700 and 788 bolt action centerfire rifles indicates a \$141,300 savings in operating cost and infinite net return on investment in the third year of operation (1983). Estimated first year results are a \$108,300 savings in operating cost and 593% net return on investment.

The major sources of these savings are:

- Reduced cost of purchased extractors and elimination of extractor rivets.
- Elimination of machining operations associated with extractor rivet hole in the bolt head.
- Eliminate riveting and simplify assembly.

Implementation of this proposal will require an estimated total expenditure of \$185M (\$50M Construction; \$135M Operations).

R.W. Farrington Jr.

Industrial Engineering Section
R.W. Farrington, Jr., Supervisor

By: T.R. Andrews

TRA/kc
Attached