EXHIBIT 31

xc: R.L. Hall H.K. Boyle J.P. Linde C.B. Workman J.W. Brooks L.B. Bosquet R.S. Swartz

Est. #4152

July 16, 1980

G.D. Campbell

Bolt Action Carbine - Bolt Lock Mechanism

An evaluation of the proposed bolt lock mechanism for the Bolt Action Carbine indicates it will result in \$3.99 in additional cost on a 1980 full book basis. The additional costs are summarized by component in the attached table.

> I/C. Hutton, Superintendent Industrial Engineering Section

By: T.R. Andrews

TRA/kc Attached