

October 28, 1974 Meeting

Present:

COMMITTEE

G.M. Calhoun, Chairman
E. Sparre
J.G. Williams
R.A. Partnoy
T.J. Sharpe, Secretary

OTHER

E.F. Barrett
E. Hooton, Jr.
L.J. Scott
E.G. Larson
F.E. Morgan
L.L. Presnell
W.E. Leek
J. Linde
A. Hugick
R.B. Sperling

MODEL 3200 SHOTGUN

Wayne Leek, Manager of Ilion Research, began the meeting by briefly reviewing the firing-on-closing problem in the Model 3200. John Linde, Ilion Research, then outlined the proposed six-step solution to the problem in future production guns:

- (1) screw attach bottom tang to frame,
- (2) heat treat bottom tang,
- (3) heat treat top tang,
- (4) install a long slot nut in rear section of the top tang,
- (5) install a strut between tangs to maintain integrity between hammer and sear,
- (6) alter design of sear to make it less sensitive to tang deformation.

Adam Hugick, Measurements and Testing Lab Supervisor, recounted to the Subcommittee the results of the tests conducted on three guns which incorporated these six modifications. Tests indicated that the modified Model 3200 took over 13,500 slams before the bottom tang broke, and even then there was no firing on closing. Moreover, 30,000 rounds of 3 inch Magnum shells were fired through the modified guns without failure; 90% of the shells were fired through the top barrel which creates the greatest stress situation of the tangs.