SMA — Delicate fact was previously a re occurrence and that P.E. & F.S. have a great deal back ground info. As we still have an Accy & Target project, P.E. could add considerably to the solution.

MINUTES OF MEETING

TIME & PLACE: 4/15/54 at 2:00 P. M., in the Small Conference Room - Bldg. 84-2.

PRESENT:
L. J. Boyle
F. C. Hitchcock
M. H. Walker
W. Googin (for C. Theriault)
R. Selwood
C. F. Prosser
W. S. Bryant

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P.E. = Paul Eckstein

SUBJECT: PROGRAM FOR DETERMINING CAUSES OF M/721 30-06 POINT OF IMPACT REJECTS

It was generally agreed that no single cause could explain the high (about 10%) rejects on this particular Model and caliber. Possible or likely contributing causes mentioned were: -

(1) Barrel and Receiver misalignment.

(2) Brazing front Sight Ramp.

(3) Barrel Diameter at Front and Rear Sight.

(4) Height of Sights.

(5) Stock bedding.

Measurements by R & D of differences between the height of Front and Rear Sights were presented. Comparison between this difference on M/721 vs. M/760 30-06 confirm the better Point-of-Impact performance on the M/760. The differences averaged the same on both Models. The spread of the differences on M/721, however, was twice as great as on the M/760.

Analysis of rejects was thought to offer the best approach to help narrow down the causes of trouble. Three (3) selected rejects and Three (3) selected good guns were turned over to R & D for a going-over with a "fine-tooth comb".

Some relief is expected from a new machine, expected on the Plant May 15th, which will make it possible to crown at the end of Barrel processing. Such a change is believed to have helped on the M/760 in the past.

W. S. Bryant

W. S. Bryant,
For the Committee.

WSB/MAB

3.5
2.6
2.9
2.45