

CC: R. A. Williamson R. Selwood  
 H. J. Hackman C. D. Hunt  
 A. D. Gordon S. M. Alvis  
 E. Sapp W. E. Leek  
 S. W. Fisher M. H. Walker  
 L. J. Boyle C. J. Theriault

July 25, 1951

TO: W. A. Best  
 FROM: E. K. Wheat  
 SUBJECT: GALLERY TARGETING - MODEL 721-722

The following report summarizes the .270 Cal. group size targeting data which has been recorded by gallery personnel during the period 4-30-51 to 7-20-51. The data reflects the extreme spread of the shots upon which a decision was made to pass or reject a gun for group size characteristics and includes both device and shoulder shooting. Guns listed as rejects were eventually accepted after re-shooting and/or repairing.

Total No. of Guns - 2,908  
 Average Group Size - 1.97"  
 Standard Deviation - .6 "  
 No. of Guns Rejected (over 3½") - 6

No. of Guns having one stamp (Bore Variation of .0005) - 2,319  
 Average Group Size for Guns in this classification - 1.95 inches  
 Standard Deviation " " " " " - .61 inches  
 No. of Guns Rejected (over 3½") " " " - 6

No. of Guns having two stamps (Bore Variation less than .0005) - 589  
 Average Group Size for Guns in this classification - 2.06 inches  
 Standard Deviation " " " " " - .54 inches  
 No. of Guns Rejected (over 3½") " " " 0

Previous data gathered on the 270 Cal. during 1948 and 1949 is listed for comparative purposes.

	<u>Average Group Size (X)</u>	<u>Standard Deviation ( )</u>
12-25-48	2.24"	.74"
3-28-49	2.23"	1.31"
3-23-49	2.35"	.91"
3-23-49	2.27"	1.04"
3-31-49	2.35"	.70"
4-16-51 to 4-30-51	2.76"	.53"
4-30-51 to 7-20-51	1.97"	.6"

By P. H. Eccleston  
 P. H. Eccleston