

QUARTERLY REPORT  
June 1943

Bore and Sight Aligner - M.H. Walker

The fine production Bore and Sight Aligners will be finished and in production about June 23. Two are already assembled and are being used by production. Results of a recent test of 470 rifles show that 98.5% efficiency can be expected if conditions are right. Each machine is averaging 30-40 rifles per hour now. It is hoped that experience and organization will increase this to an average of perhaps 45 per hour.

Draw Rifling

The first two .22 cal tool-steel barrels have been received and dies for the 513 barrel are being made. It is thought that development of draw rifling for the 513 barrel should take only a short time. The experimental machine has been converted to .22 cal and work will proceed on the 513 as fast as dies are available. 5 more .30 cal barrels have been completed using the large blank and relief anneal. The bore dimensions on these barrels are all good, i.e. no measurable variation except in one barrel with very large run out at muzzle. This one has .0005" variation. Work on draw rifling in the shop has been held up by assembly of the Bore and Sight Aligners.

Model 1X-721

The 1X-721 is about ready for detail drawings for a preliminary cost estimate to determine if work should continue on the present design.

M/11 C-16 Mount

A trip was made to Buffalo to give Bell Aircraft Corp. information on design characteristics on the M/11 C-16 Mount.

An attempt was made to eliminate complaint on the M/11 fore end. Future tests will determine whether the attempt is successful or not.

61/43