

M.H.Walker

MONTHLY REPORT
July 1943

Bore & Sight Aligner

The 5 bore and sight aligners are complete and are being used by production. A detailed account of results from their use will be available as soon as organization of the production department can be completed.

Six draw-rifled .30 cal barrels have been completed using the large blank and relief anneal. Five of these barrels have grooves with no variation from muzzle to breech. The other has a variation of .0005" due to large run out of the drilled hole at the muzzle. Fifty more blanks are in process using this anneal method. Captain Schaich of Springfield Armory visited the plant on June 21, 1943 for the purpose of obtaining information on draw rifling. We are in the process of rifling two M/2 machine gun barrels for a Springfield endurance test.

Dies were completed for the .22 caliber barrels and several barrels were rifled, but the dimensions were large.

Barrels for dies with new dimension have been ordered from the Production Department.

A trip was made to Bridgeport for the purpose of acquainting the Bridgeport lab with work done at Ilion on the M/610 and 611 rifles.

Notification of the completion of a M/C-16 machine gun adapter mount for the M/11 shotgun was received from Mr. Trotter of Bell Aircraft.

A rough preliminary cost estimate on the M/721 by Mr. H. Wheeler gave a Factory Cost of \$10.29.

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Research Section
July 21, 1943