

7-19-43

To: P. B. Rutherford
From: M. H. Wacker
Re: Monthly Report

The 5 Bow & Sight Aligners are complete and are being used by production. A detailed account of secrets from their use will be available as soon as organization of the production dept can be completed.

Six draw rifled 30 cal barrels have been completed used the large plank and relief annual. Five of these barrels have grooves with no variation from muzzle to breech. The other has a variation of .0005 due to being run out of the drilled hole at the muzzle. Fifty more blanks are in process using the annual method.

Captain Scheich of Springfield Army created the plank on 6-21-43 for the purpose of obtaining information of draw rifling. We are in the process of rifling two M-2 machine gun barrels for a Springfield endurance test.

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

Barrels for dies with new dimensions have been ordered from the production dept.

A trip was made to Bridgeport for the purpose of acquainting the Bridgeport Lab. with work done at Ilion on the M16 10. & 6.1 rifles.

Notwithstanding the completion of a model C-16 machine gun adapter mount for the M11 shot gun was received from a Trotter of Bill Amberg.

A preliminary cost estimate on the M1721 by Mr. H. Wheeler gave a factory cost of \$10.29.