

M. H. Walker

Weekly Report

February 22, 1963

M/700 .222 ExtractorL. J. HAGEN

Finished manufacture 1 model bolt. Not enough clearance for the extractor. Will rework the extractor groove in the bolt head.

M/700 Strength Test

Made a new plug to fit the receiver for testing. Tested 2 bolt and receiver assemblies. One set sheared the bolt lugs at 54,600 lbs.; 2nd set sheared the bolt lugs at 54,200 lbs. In both cases the bottom bolt lug sheared farther than the top lug.

Bullet ManufactureJ. W. BROOKS

Two rolls have been mounted to size wire by rolling from one roll through a sizing die and onto another roll. It should be ready for trial next week.

The Alva Allen Press with the feed fingers attached has been set up to work with the Syntro hopper. An ejector for the swaging die is being made up. Once this is ready we should be able to feed sized and cut off lead slugs to the swaging die.

Wire was sized using two passes through the sizing dies and rolling by hand from one roll to another. Using the present cut off set up the length was held to a couple of thousand on length. Weight was within .5 grains. This can be improved.

The ejector is working fairly well but the machine is too fast for feeding from hopper to feed fingers. An air cylinder will be mounted on the feed tube next to the feed fingers to cut down on distance of travel of part to feed fingers.

M/415 Stun Safe Rifle

The parts list and prints were updated to include the new sear block mechanism. A Stun Safe Rifle from Bryan Bros. in Missouri was reported to have fired while sitting in a rack. The rifle was inspected and test fired. A letter to Carl Doerter covered this inspection.