

Project: #44 Essential Primer
Personnel: L. R. Feinauer and J. J. Capasso

1348 and J-232 priming mixtures have been evaluated in this primer with satisfactory ballistic results. It is planned to use J-232 composition in this primer in conjunction with a round nose anvil and to eliminate the #44(1379) and #44(1316) primers which both utilize the #49 3-fin anvil. J-232 is non-mercuric, non-corrosive and is less susceptible to moisture pickup than 1379.

Project: M35 Primer
Personnel: L. R. Feinauer and J. J. Capasso

For identification purposes the primer anvil has been nickel plated and a blue foiling paper is being used to distinguish this primer from the very similar 43 TX-2 primer. Attempts are still being made to further sensitize this product.

Project: M39 Primer
Personnel: C. H. Behse, C. Melzer, L. R. Feinauer

In connection with personnel of the Denver Ordnance Plant exploratory tests have been performed in order to establish whether it is possible to use a modified #57 primer in the fuse assembly. Experimental evidence to date indicates that a satisfactory product can be made by reducing the flange from .290" to .270" and the priming mixture charge from .7 grs. to .4 grs. It also will be necessary to produce a battery cup with a heavier flange. However, there is every indication that this can be done on a Henry & Wright machine.

Project: Primer Identification
Personnel: H. D. Hotchkiss, L. R. Feinauer

Samples of #39 and #49 primers have been prepared with an oval stamp on the primer crown. Casualty tests have been satisfactory and the samples have been submitted to the Ammunition Products Committee for approval.

Project: #64 Primer for Reloading
Personnel: L. R. Feinauer, J. J. Capasso

The Ammunition Products Committee has approved the introduction of a non-mercuric, non-corrosive primer for use in .38-40 and .44-40 Winchester cartridges. This primer will be identical with the Peters #20-B primer.

1379 and 1348 primer mixtures are now being evaluated for charge weight and bridge thickness, sensitivity and ballistics.