

E. SPARRE - E. HOOTON, JR.

December 6, 1972

When not loading 16 Gauge rifled slug loads, this machine, No. 20, is used for loading 20 Gauge rifled slug loads.

A warehouse check showed no March or April 1971 product available, and as the load using fluff was developed in March, with extra process attention and as no complaints involving those dates have been received, it is assumed product of those dates is O.K.

Current loading was found to have the correct diameter slugs and warehouse product dated November 6, 1972 tested satisfactorily. Therefore, it is assumed that all the November product is O.K.

Based on our findings and the complaints received, it is presumed that the 16 Gauge rifled slug shells loaded from September 1971 through June 1972 have undersized slugs and are susceptible to loss of fluff. The codes involved in these loadings are U-L, U-B, W-K and W-S, totalling 869,000 rounds. Of this, approximately 7,500 rounds are in the warehouse at Lonoke and 73,000 are warehoused at Bridgeport. 83

Ballistics tests on product having little or no fluff (loose loads) have not duplicated the field experience of leaving slugs in the barrel. Minimum pressures at ambient temperature of 6900 p.s.i. and of 6500 p.s.i. at 0°F. have been recorded in these ballistics tests.

If it is necessary to scrap the product, and it is all five-round pack, the cost will be \$80.00 per thousand, with the total cost dependent on the amount of product returned.

*J. H. Hodgson*

J. H. Hodgson, Plant Manager

JHH:abc

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