

To: T. C. Douglas

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MAY PROGRESS REPORT

SHOT CHARGER DEVELOPMENT

The Simplex prototype counting type shot-charger continues to test well. Production has now requested a second charger to allow loading large size steel shot on two Simplex Loaders simultaneously. Design drawing revisions, reflecting all improvements, were completed 5/27/92. A Purchase Requisition will be issued 5/28/92.

Design of the Duplex Shot-charger is progressing slowly. Rearrangement of the machine stations on the Duplex Loader is necessary to allow room for the counting type shot-charger. Also, redesign of the crimping stations is needed. A new machine layout has been designed and a concept for the crimp stations is now being finalized. Completed design is expected by early August, 1992.

ROTARY CAM BODY FORMER - 410 & 28 GA.

Thanks to, and with the help and co-operation of Production, approximately 30,000 corrugated and 2,000 smooth 410 2 1/2" bodies were run thru Rotary Cam week of 5/18/92. A trial lot of brass 410 caps were also run this month. Roughly 11% show rim cracks believed to be caused by inadequate hold down pressure. Samples have been given to Jim Kostrubanic for metallurgical evaluation. A sufficient quantity of good caps are available for the 20,000 Unibody Target load samples requested by Marketing for field evaluation. These will be scheduled thru AH&P and Loading as quickly as Production permits.

Approximately 17,000 28 GA. smooth body Skeet loads were run thru Rotary Cam, AH&P and Load this month. 750 rounds are now in Ballistics for function and casualty testing expected to be complete 6/5/92. Samples will also be sent to Marketing for both visual and functional evaluation.

COPPER BULLETS

Installation of the cross drill/mill attachment to the L-20 CNC turning machine is tentively scheduled for early June.