

June 10, 1971

SHOTGUNS - contd.MODEL 870 "ALL AMERICAN" 12 GAUGE TRAP GUN - contd.

R & D had reported last month that there were two possibilities of modifications to the controls that would enable the machine to engrave parts not made to precise dimensions. One method was called "pre-mapping" and the other "sensing" of the surface to be engraved. It is estimated that either of these methods would involve a total cost of approximately \$30,000. "Pre-mapping" would permit reading a surface, feeding the information into a computer and then directing the tool to the surface to be engraved. This appears to be a universal solution. The "sensing" method involves a foot near the engraving tool and in many instances, this foot would interfere with parts being engraved, for example, the rib on the Barrel. It was indicated that the "sensing" foot could be available by the first of 1972 and the "pre-mapping" could be available by the second or third quarter of 1972. Since the "pre-mapping" seems to be more universally applicable, it was concluded that work on this development should continue.

The N/C checkering machine is expected to be ready for production by November 15, 1971.

Marketing reported that development of the carrying case by North American Rockwell has not been satisfactory. The case is too heavy and is going to cost more than estimated.

A special size Protecto case with new hardware is now being considered. It was recommended that no order be placed with North American Rockwell.

Economics (Exhibit 1) were presented for the Model 870 "All American" comparing the original project to the conditions that exist today - increased case cost and increased operations cost for producing the Receiver to closer external dimension control.

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