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TO: H. A. Brown
FROM: M. H. Walker
SUBJECT: M/721 MODIFICATION OF SAFETY DESIGN

One modification of the M/721 Safety uses a trigger block in addition to the present design. This is accomplished by providing a boss on the rear of the trigger to hold an adjusting screw with a lock nut. When the Safety is "on", the end of this screw is contacted by a projection on the Safety effectively blocking the trigger.

Tooling-wise the parts affected are these:

1. Trigger

A boss with a drilled and tapped hole must be provided. As now tooled this would mean a change in the blanking die and a change in the cold forming die, with tooling provided for drilling, counterboring and tapping.

2. Safety

A projection must be added with a surface which is a radius about the pivot hole. Changes to the blanking die would be necessary plus possibly a means provided for finishing the radius after the hole is drilled. Changes to the bending die may be necessary.

3. Trigger Guide Plate

It is necessary to lengthen the slot in the Trigger Guide Plate to provide clearance for the new Trigger.

4. Safety Adjusting Screw and Lock Nut

These are added parts.

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A second modification would eliminate the Safety Cam and provide a gear the full width of the opening in the housing. This would eliminate the necessity for a projection on the Safety to contact the Safety Cam. The other parts would be the same as modification number one above.

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