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File

REC. R. A. A. H.  
JAN 15 1946

January 14, 1946

TO: S. M. Alvis  
FROM: E. M. Smith  
SUBJECT: MODEL 721 DESIGN CHANGE—SAFETY C-17070

As per agreement among P. D. Rutherford, A. M. Walker and H. D. Herbert, this morning, the following design change is recommended.

The dimension .099-.101 should be changed to provide a tolerance of at least .0010. It is understood that this involves no difficulty in the part of the Safety which hangs outside of the Trigger housing, but that an interference might be caused inside. The tolerance necessarily had to be applied on the outside to avoid narrowing the web around the operating hole. It is believed that a small radius cut-out at the bottom of the inside arm would eliminate the possible interference in a satisfactory manner.

By copies of this letter it is pointed out to H. M. Smith and E. K. Wheat that the changes to the proposed gaging for this part should be carried out as agreed in discussions this morning. These changes consist of the elimination of the present proposed dial indicator gage, and addition of a similar gage to check the rear cam and the positive bolt stop arm.

E. M. Smith  
Engineering Section  
Technical Department

H. D. Herbert:JP