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DATE

9-5-44

SUBJECT OF EXPT.

Assembly of m-721 & m-722

Two of the four models were assembled complete 9-5-44. The bolt heads were turned on and pinned to determine the actual strength requirements.

m-721 300 H&H	m-722 300 H&H
*headspace before	Min
After 5 proof loads	10 proof loads Min

The m-721 showed very high pressure on proofing.

The m-722 showed only ordinary pressure on proofing.

The m-722 bolt head had broken loose before firing. Only the pin was holding it. However it held quite satisfactorily for proofing.

A 1/8" chamfer was cut in the bolt body of the 722 and the bolt head braced on.

Considerable trouble was experienced with the softags. Coates checked one and found it would not meet the drawing. The safety surface was .005" under rim and .030" misplaced.

EXPERIMENTER

DATE

WITNESS

DATE