

Report No. 651121

RESEARCH TEST & MEASUREMENT LAB WORK REQUEST

Developmental		AREA OF TESTING	
☒ Developmental	☐ Safety Related	☐ Litigation	
☐ Design Acceptance	☐ Competitive Evaluation	☐ Warehouse Audit	
☐ Pre-Pilot	☒ New Design	☐ Cost Reduction	
☐ Pilot	☐ Design Change	☐ Scale	
☐ Production Acceptance	☐ Plant Assistance	☐ Other	

FIREARM STATE	REPORT REQD.	DATE REQUESTED: <u>4-22-85</u>
MODEL: <u>700</u>	FORMAL ☐	DATE NEEDED BY: <u>ASAP</u>
CAL or GAGE: <u> </u>	TEST RESULTS ONLY ☒	REQUESTED BY: <u>J. H. H. H.</u>
BARREL TYPE: <u> </u>		WORK ORDER NO: <u>1-5004-</u>
PROOFED: YES ☐ NO ☐		

TEST TYPE			
☐ Strength Test	☐ Ammunition Test	☐ Dry Cycle Test	☐ Photo/Micro
☐ Function Test	☐ Environmental Test	☐ Measurements	☐ Other <u>Drop Test</u>
☐ Accuracy Test	☐ Customer Complaint	☐ Endurance Test	

EXPLAIN IN DETAIL THE REASON FOR THIS TEST:

What accelerations does a H/700 receiver see on impact from 1, 2, 3 and 1 foot drops when dropped on a 90 degree corner?

GUNS REQUIRED:

NOTE: NO firearms or parts will be tested in the Lab unless they are accompanied by a Work Request, and both are delivered to the Lab by the designer or engineer. All Work Requests are to be filled out in detail. No exceptions.

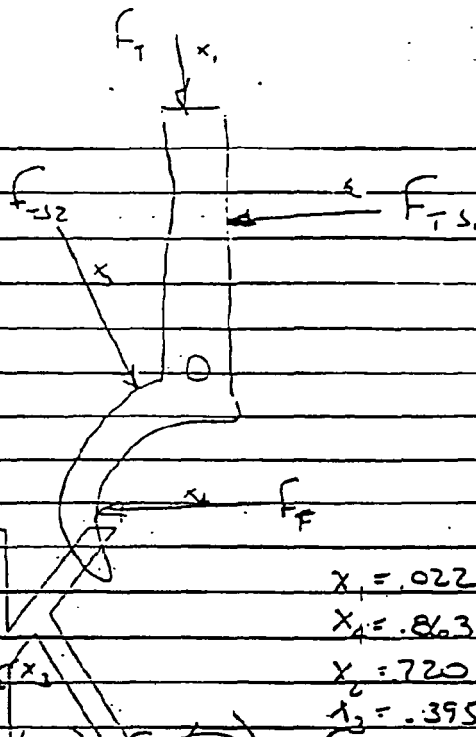
DATE COMPLETED: 4/22/85TEST COMPLETED BY: J. H. H. H.REPORT DATE:

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Tsachalis v. Remington Arms

Linear Analysis

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$$F \cdot y = F \cdot x_1 + F_{12} \cdot x_2 + \cancel{F_{13} \cdot x_3}$$

$$6(.863) = 10(.022) + 3(.770) + 1(.395)$$

$F_2 = 5.96 \text{ lb}$

$$\underline{\underline{x = 0.22}}$$

$$\underline{X_d = .863}$$

$$\underline{x = 720}$$

$$1_2 = .395$$

L-106-139

Feb. 36

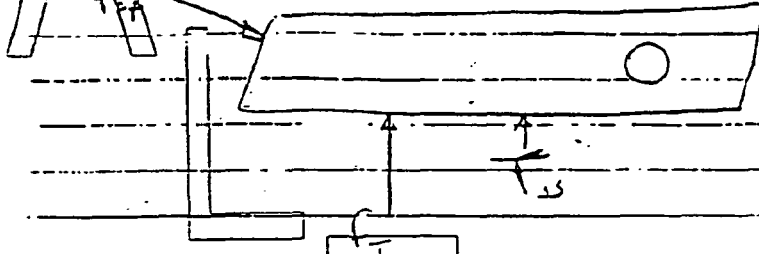
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Westchester, Index No. 3344/95

היה זה

A
Sear Analysis Static



$$F_T \cdot X_1 = F_T \cdot X_2 + F_s \cdot X_3$$

$$X_1 = .532$$

$$X_2 = .860$$

$$X_3 = .362$$

$$22(.532) = F_T(.860) + (6.4)(.362)$$

$$F_T = 22.16$$

$$F_T = ?$$

$$F_s = 6.4 - 2.2$$

$$F_T = 10.91 - 10.58$$

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