

25

DATE

6-27-74

SUBJECT OF EXPT.

M-722 MAIN SPRING

FIRE LENGTH = 2.475  
 COCKED LENGTH = 2.180

 $d = .055$ 
 $D = .395 - 407 .255 = .352 \text{ MAX.}$ 

STACKED LENGTH = 1.540

28 TOTAL COILS 26 ACTIVE

 $P = 11.6 \text{ #/in}$ 
 $\frac{1}{4}$  FREE LENGTH

 $\frac{4.00}{2.475}$   
 $\frac{1.525}{1.525}$ 
 $\text{FIRE } P = (4.00 - 2.475) 11.6 = 17.7 \text{ #}$ 
 $\text{COCKED } P = (4.00 - 2.180) 11.6 = 21.1 \text{ #}$ 
 $\frac{4.00}{2.180}$   
 $\frac{1.82}{1.82}$ 
 $21 \text{ # } 20.50 - 2.30$ 
 $\frac{2.475}{1.77}$ 

EXPERIMENTER

DATE

WITNESS

DATE