

G-30

DON'T SAY IT—WRITE IT

cc: G.M. Calhoun

S.M. Alvis - File

To J. W. STONE

DATE July 6, 1967

FROM W. E. LEEK

*did we
on stage of the*

The attached drawings and data pertain to the M/XP-100 - 221 development, and are items which I believe would be pertinent to future development work by William Aumen at Egland Air Force Base.

As we discussed over the telephone, I think it would be advisable on Remington's part, and subject to approval by G.M. Calhoun, that we furnish Bill with this information for his use. Loading data involves bullet weights, powder weights, measured velocities and pressures, and comments pertaining to results of these loads. This information was experimental and is in a sense quite commonplace now that the 221 has been developed, and various gun editors have reproduced most of this information in essentially the same form so that it may be found in print in various magazines.

The drawings involve not only sectionalized views of the stock, but also in some detail the connecting system from the fire control to the trigger which in a sense is only an extension to convert the action from a rifle to a pistol.

I would appreciate being kept advised as to decision by you and G.M. Calhoun and disposition of this information to Bill. If necessary, would be glad to carry on further consultation with him on this subject. As you probably know, Bill and I worked very closely together during WW-2 in Arms and Ammunition Research at Aberdeen Proving Grounds, Maryland, and I find him a very cooperative individual.

WEL:T
Attach.

TO BE SAFE; FIRST THINK YOU MIGHT NOT BE

221 LOAD DEVELOPMENT
 PRESSURE AND VELOCITY - TEN INCH DBL.
 50 GR. SIERRA - 222 BULLET RN, AAN, CHM,

POWDER	POWDER W FIGHT -GRAINS-	MEASURED MURPLE VELOCITY	MEASURED CHAMBER PRESSURE	COMMENTS
4198	16.0	2515 2620 2580	26300 31000 28500	
	17.0	2725 2830 2730	35,000 35,000 32,500	POWDER TO SLOW
2412	14.0	2225 2300 2275	24200 23700 25000	
	14.5	2315 2440	22000 27400	
	15.0	2570 2550 2520	31200 30400 30000	
	15.5	2535 2630 2620	29500 33500 32500	
	16.0	2660 2530 2570	32500 27500 28500	
	16.5	2665 2660 2670	31300 30800 32500	

221 LOAD DEVELOPMENT
 PRESSURE AND VELOCITY - TEN INCH DBL
 50 GR. SIERRA 222 BULLET RN, AAK, CHM,

POWDER	POWDER WEIGHT -GRAINS-	MEASURED MUZZLE VELOCITY	MEASURED CHAMBER PRESSURE	COMMENTS
2412	17.0	2830	40,000	
		2790	37,500	
		2765	37,000	
	17.5	2930	43,300	
		2875	42,300	
		2890	42,500	
	18.0	2945	42,500	
		2890	40,000	
		2910	40,700	
	18.5	3070	49,300	
		3040	49,000	
		3090	50,700	
	19.0	3100	53,000	
		3100	53,000	
		3120	55,000	
2408	14.5	2740	30000	
		<u> </u>	31300	
		2645	30000	NO PRESS READING
	15.0	2800	38000	
		2740	33800	
		2775	36000	
	15.5	2770	33,400	
		2845	39,500	
		2805	36,300	

221 LOAD DEVELOPMENT
 PRESSURE AND VELOCITY - TEN INCH BAR.
 50 GR. SIERRA 022 BULLET RN, AAH, CHM.

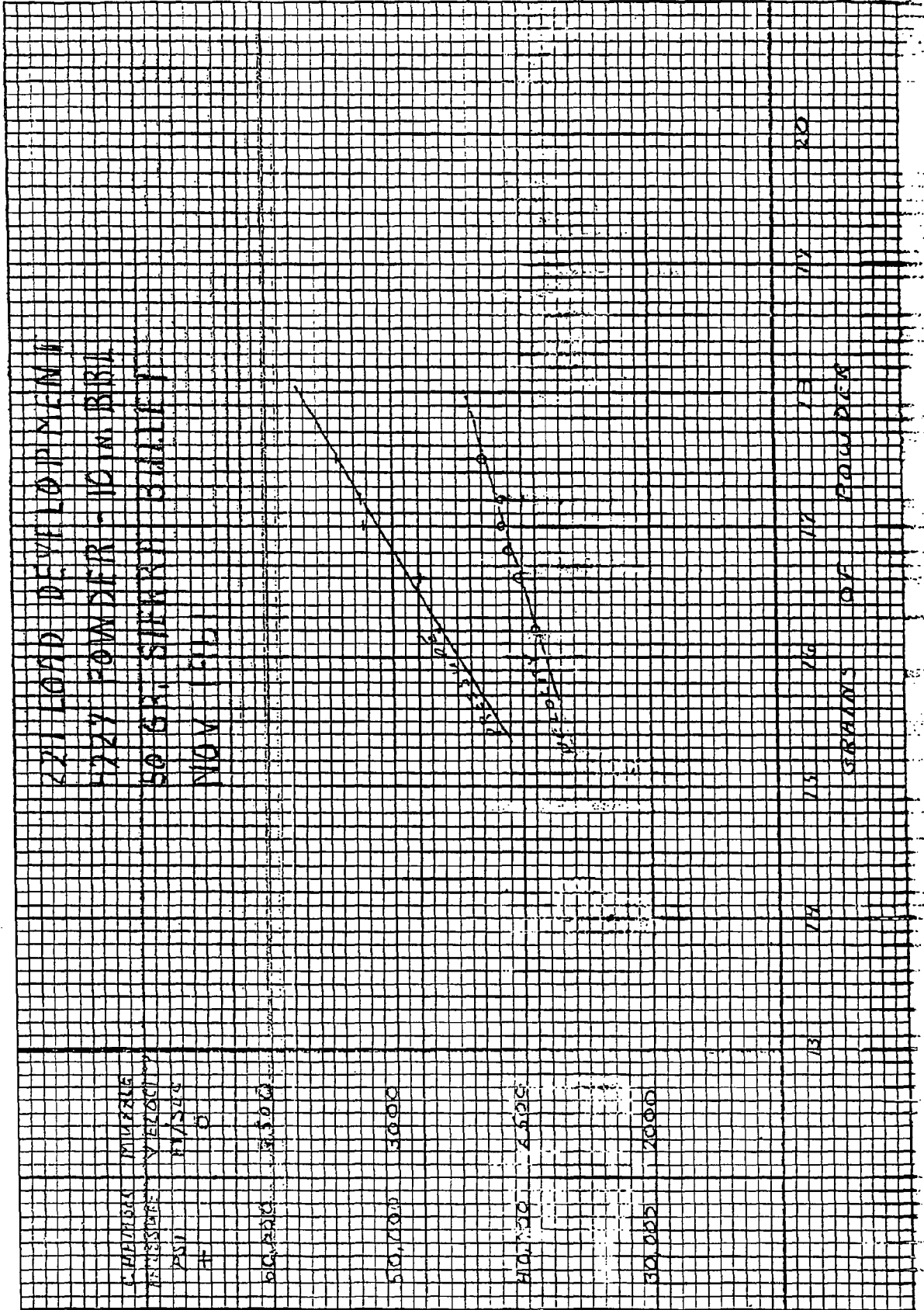
POWDER	POWDER WEIGHT -GRS-	MEASURED MURRE VELOCITY	MEASURED CHAMBER PRESSURE	COMMENTS
2408	16.0	2940	39,400	NO VELOCITY READING
		2910	35,800	
		2990	45,000	
	16.5	3020	45000	
		3020	47500	
		3040	49500	
	17.0	3110	52000	
		3055		
		3070	49,500	
	17.5	3145	57,000	
		3125	58,300	
		3165	56,750	
2407	15.0	2785	47,500	NO VELOCITY READING
		2830	43,800	
		2770		
	15.5	2750	46500	
		2755	45000	
		2865	48700	
	16.0	2835	47500	
		2730	46300	
		2865	54500	

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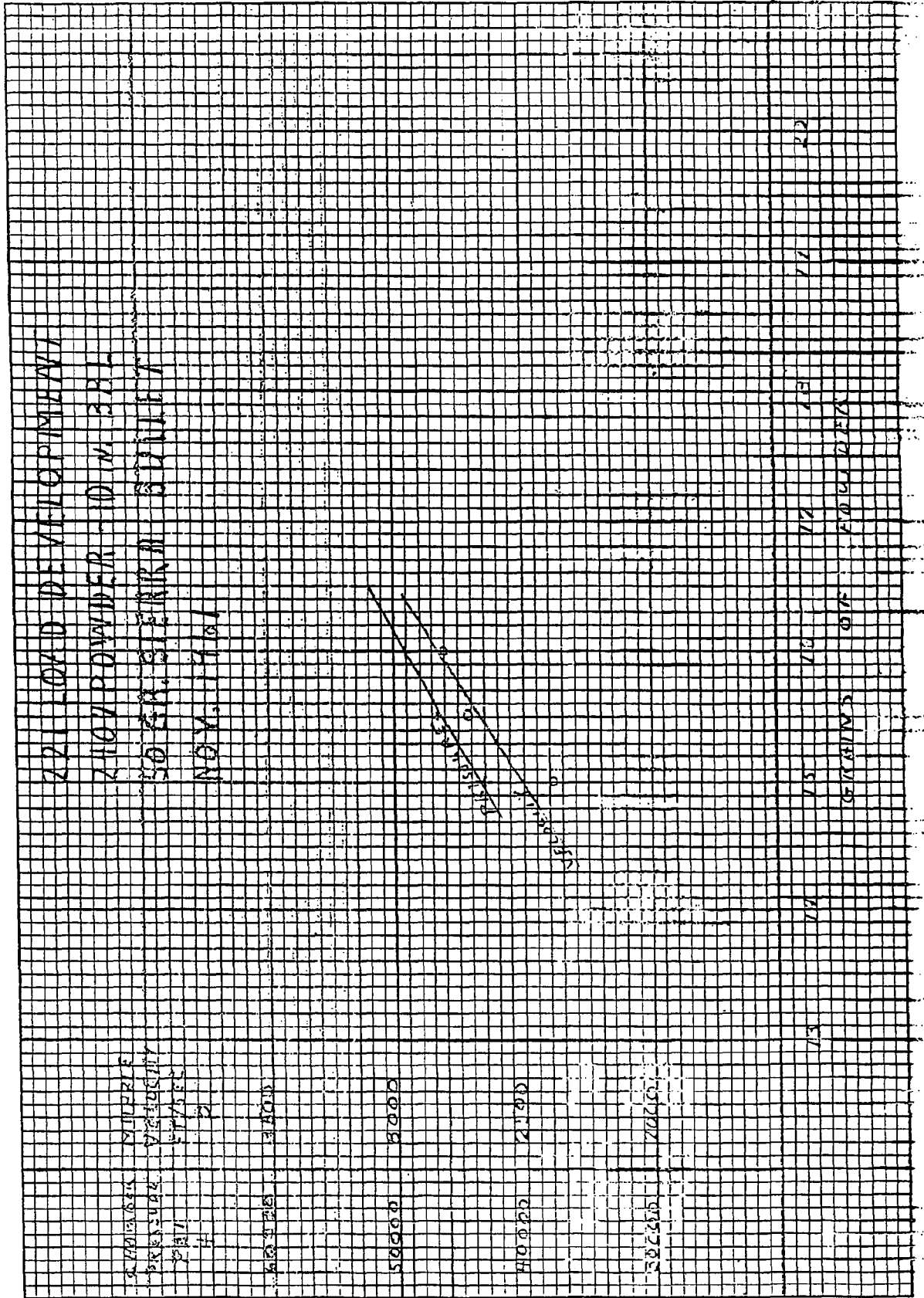
22 L LOAD DEVELOPMENT
 PRESSURE AND VELOCITY - TEN INCH BARREL
 50 GR. SIERRA 222 BULLET

POWDER	POWDER WEIGHT - GRAINS -	MEASURED MURZLE VELOCITY	MEASURED CHAMBER PRESSURE	COMMENTS
4227	16.0	2930 2940	46,000	NO READINGS NO PRESSURE READING
	16.2	2955 2975 2940	46200 46200 46200	
	16.6	3000 3010 3015	47500 48600 47800	
	16.8	3040 3025 3070	49500 50600	NO PRESSURE READING
	17.0	3070 3090 3080	52,300 52,500 52,000	
	17.2	3080 3080	52750 52500	NO READINGS
	17.5	3150	54,300	NO READINGS NO READINGS

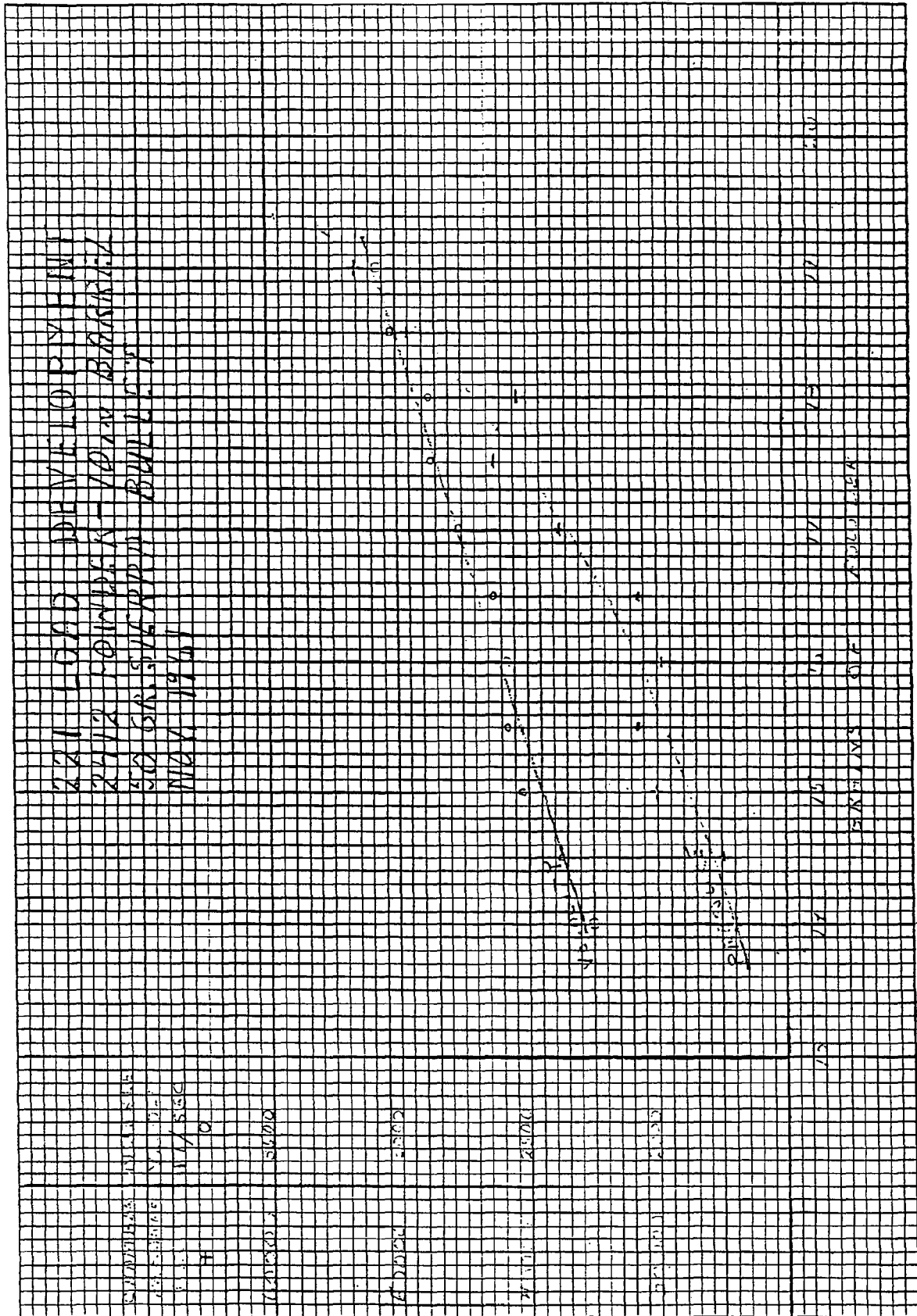
K-E 10 X 10 TO THE INCH 46 0703
7 X 10 INCHES
KUFFEL & EBBER CO.
NEW M.S.A.



K-E 10 X 10 TO THE INCH 46 0703
7 X 10 INCHES MADE IN U.S.A.
KEUFFEL & ESSER CO.



K-E 10 X 10 TO THE INCH 48 0703
7 X 10 INCHES
MADE IN U.S.A.
KEUFFEL & ESSER CO.



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