

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 use
initials 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:F
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	26300	
		2620	31000	
		2580	28500	
	17.0	2725	35,000	
		2830	35,000	
		2730	32,500	
	POWDER TO SLOW			
2412	14.0	2225	24200	
		2300	23700	
		2275	25000	
	14.5	2315	22000	
		2440	27400	
	15.0	2570	31200	
		2550	30400	
		2520	30000	
	15.5	2535	29500	
		2630	33500	
		2620	32500	
	16.0	2660	32500	
		2530	27500	
		2570	28500	
	16.5	2665	31300	
		2660	30800	
		2670	32500	

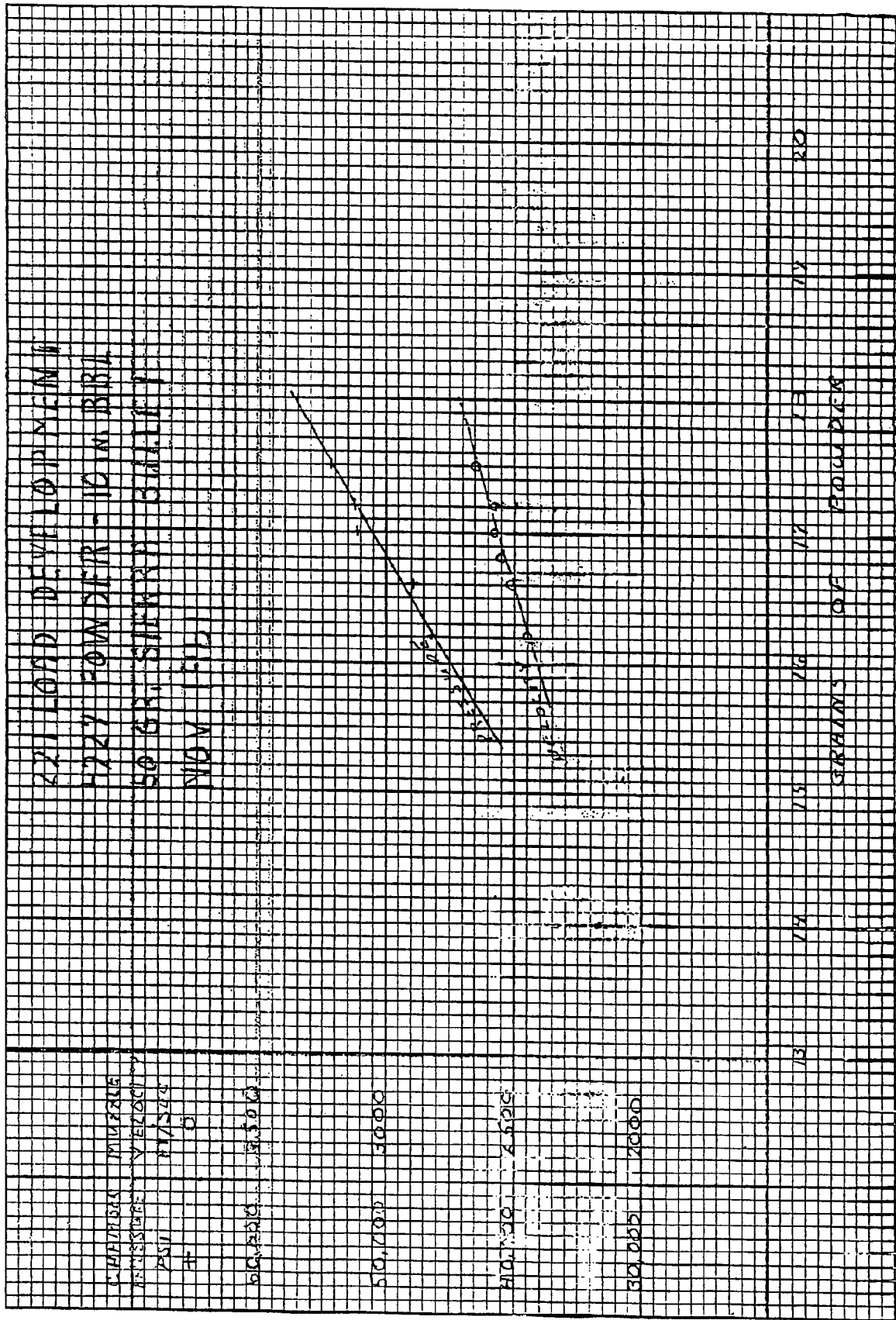
221 LOAD DEVELOPMENT
 PRESSURE AND VELOCITY - TEN INCH DBL
 50 GR. SIERRA 222 BULLET RN, AAH, CHM,

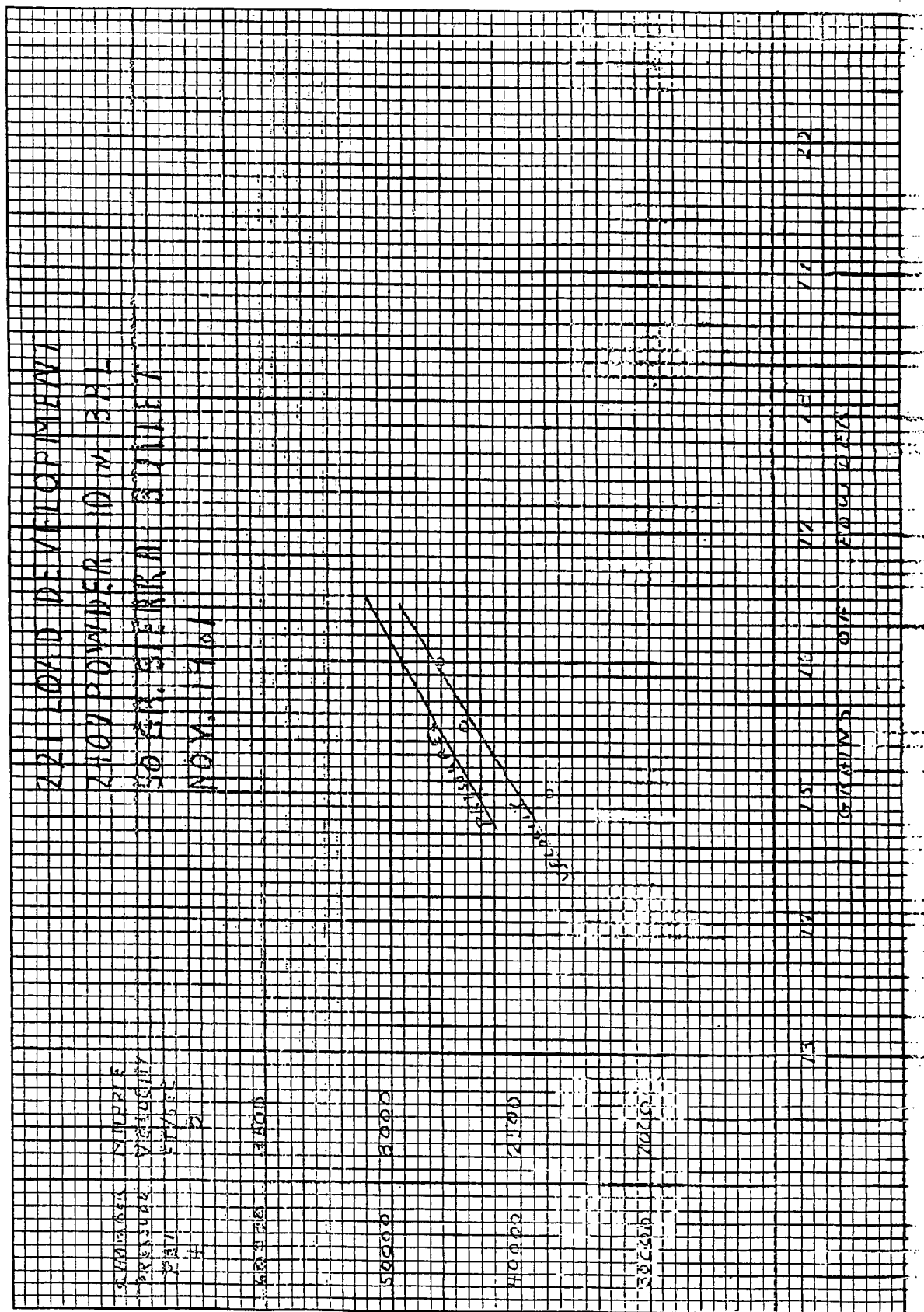
POWDER	POWDER WEIGHT -GRAINS-	MEASURED MUZZLE VELOCITY	MEASURED CHAMBER PRESSURE	COMMENTS
2412	17.0	2830	40,000	
		2790	37,500	
		2765	37,000	
	17.5	2930	43,300	
		2875	42,300	
		2890	42,500	
	18.0	2945	42,500	
		2890	40,000	
		2910	40,700	
	18.5	3070	49,300	
		3040	49,000	
		3090	50,700	
	19.0	3100	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	

22 L LOAD DEVELOPMENT
 PRESSURE AND VELOCITY - TEN INCH BARREL
 SD GR. SIERRA 222 RULLET

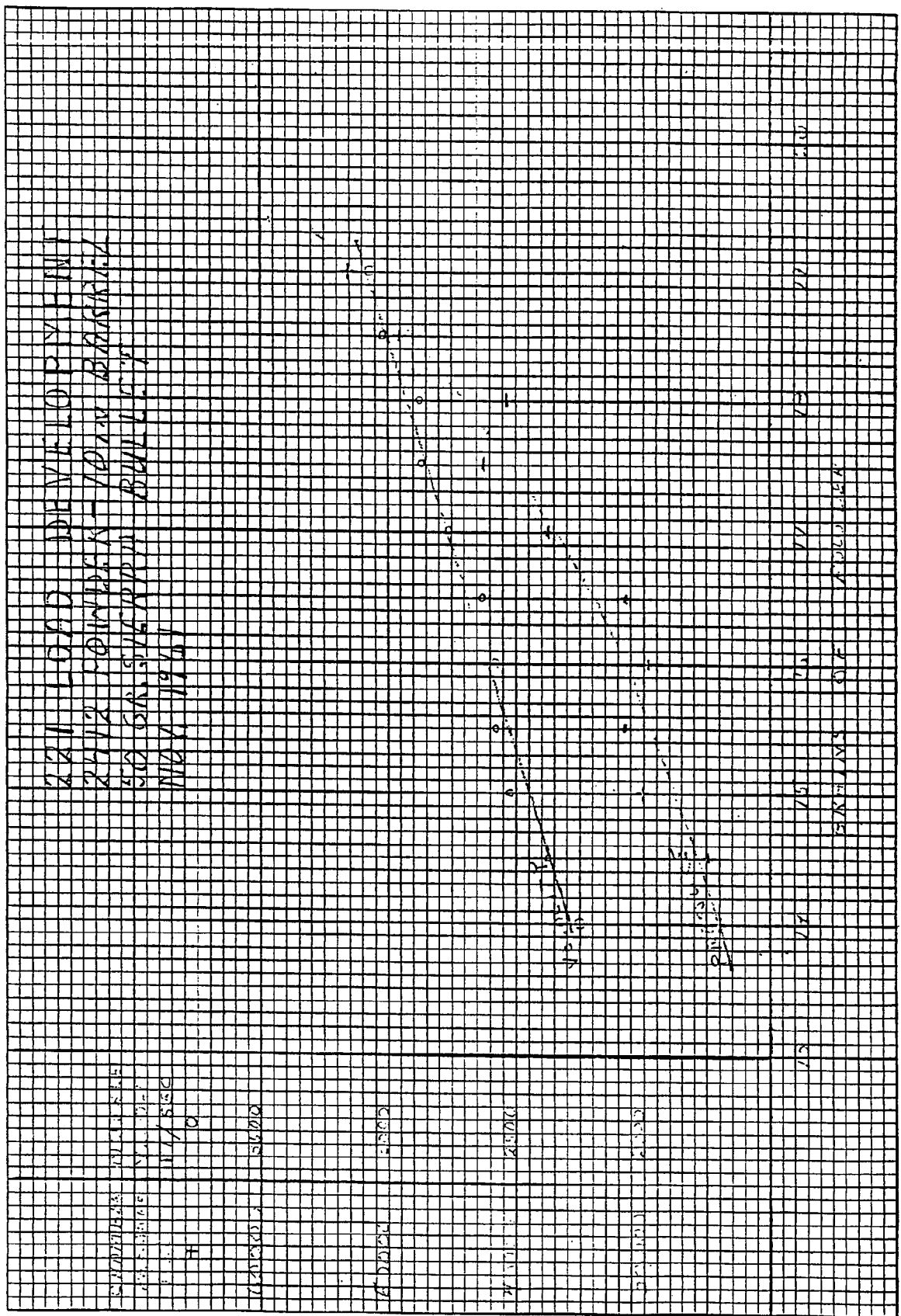
POWDER	POWDER WEIGHT - GRAINS -	MEASURED MURZLE VELOCITY	MEASURED CHAMBER PRESSURE	COMMENTS
4227	16.0	2930	46,000	NO READINGS
		2940		NO PRESSURE READINGS
	16.2	2955	46200	
		2975	46200	
		2940	46200	
	16.6	3000	47500	
		3010	48600	
		3015	47800	
	16.8	3040		NO PRESSURE READING
		3025	49500	
		3070	50600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

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