

ILION RESEARCH DIVISION

<u>Project</u> <u>No.</u>	<u>Description</u>	<u>1966</u> <u>Budget</u>	<u>Product</u> <u>Line</u>
E-0100	Recoil Reduction Investigation	\$ 15,000	6710-SG&CF
0150	Research on Gun Styling	5,000	6710-SG&CF
0200	Misc. Small Exploratory Jobs	10,000	6710-All
0250	Product Improvement & Cost Reduction	57,000	6710-All 4000
0300	Long Range Development of Gun Principles	35,000	6710-All
0350	Invest. of Substitutes for Walnut	10,000	6710-All
0400	Revision to Gun Test Manual	2,000	6710-All
0450	Micrometer Peepsight Investigation	5,000	6710-CF&RF
0500	Invest. of International Match Rifles	10,000	6710-CF&RF
0550	Investigation of Pellet-type Guns	30,000	6710-RF
0600	Investigation of Receivers with Inserts	60,000	6710-All
0650	M/788 & M/580 Series Bolt Action Hi-grade	15,000	6710-CF&RF 8000
0700	Invest. Bolt Action Rifles - L.H. Action	18,000	6710-CF&RF 0000
0750	Investigation of Computer Aided Design	5,000	6710-All 3600
	Provision for Probable Projects	<u>10,000</u>	2000 0000
	<u>Total Arms Design - General</u>	<u>\$287,000</u>	
	<u>Total Arms Design</u>	<u>\$614,000</u>	
	<u>Process Research</u>		
F-0100	Injection & Compression Molding	\$ 42,000	6710-All
0150	Metal Coloring & Plating	13,000	6710-All
0200	Powder Metal Development	35,000	6710-All
0250	Metal Finishing	10,000	6710-All
0300	Investigation of Processes for Gun Parts	15,000	6710-All
0350	High Energy Rate Forming	<u>15,000</u>	6710-All
	<u>Total Process Research</u>	<u>\$130,000</u>	
	<u>Total Improvement of Estab. Business</u>	<u>\$744,000</u>	

		Estimated Expenditures	Salaries & Expenses	Assist. Plant	Stores & Supplies	Wilmington Travel	Other	Budget 1965 TOTAL
Center Fire (Continued)								
GO50 Plastic Sabot Evaluation		30.00	20.00	10.00	3.00	2.00	3.00	78.00
GO50 M/742 Military Modifications		30.00	10.00	5.00	5.00	2.00	2.00	54.00
GO50 Invest of Futura Center Fire Rifles		1.00	4.00	5.00	1.00	2.00	3.00	16.00
GO50 Bolt Action Center Fire Rifles		20.00	15.00	10.00	5.00	2.00	5.00	57.00
GO50 KC 20 Bolt Action Front Lock Up		7.00	15.00	5.00	1.00	2.00	5.00	45.00
GO50 Bantam 223 Caliber Center Fire Rifle		2.00	5.00	5.00	5.00	2.00	2.00	26.00
TD-56302 Recoil Free Rifle Investigation		1.00	1.00					2.00
TD-56313 XP-100 Pistol New Callibers		1.00						1.00
TD-56315 M/500 Bolt Action 6.5MM		3.00						3.00
TD-56310 M/742-760 Short Range Center Fire Rifle Development		5.00						5.00
Total Center Fire		234.00	106.00	103.00	76.00	19.00	31.00	579.00
Rim Fire								
DO100 (AD XC20) Center Fire - Rim Fire Bolt Action Rifles		80.00	250.00	100.00	150.00	30.00	30.00	740.00
DO450 High Pressure Rim Fire Guns & Anmb.		8.00	45.00	20.00	50.00	2.00	5.00	130.00
DO400 M/40X Sporter		4.00	5.00	5.00	5.00	2.00	2.00	28.00
DO450 New Target Rifles - Bolt Action		18.00	20.00	30.00	100.00	20.00	20.00	208.00
DO300 Development of Model 6600 Pump 22 Cal Rifle		4.00	23.00	5.00	1.00	2.00	2.00	37.00
DO350 Investigate Packers or Camper Model		2.00	5.00	5.00	5.00	2.00	2.00	26.00
TD-65407 Invest Autoloading 22 Cal Rifle		2.00						2.00
AD660 Model 6600 - 22 Cal Rim Fire Autoloader		16.00						16.00
TD-65403 Invest in Appearance Improvement - R.F.		4.00						4.00
Total Rim Fire		191.00	645.00	400.00	370.00	50.00	100.00	1656.00

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	Estimated 1955 Expenditures	Salaries	Wagon	Assist Plant	Stores & Supplies	Wilmington	Travel	Other	Budget 1956 TOTAL
Center Fire (Continued)									
C0450 Plastic Sabot Evaluation	2000	2000		1200	300		300	300	4000
C0500 M/742 Military Modifications	2000	1000		500	300		100	100	2000
C0530 Invest of Future Center Fire Rifles	5000	1000	5000	400	1000		200	200	11000
C0500 Bolt Action Center Fire Rifles 302 6MM 243 Cal.	2000	15000	5000	1000	500		500	500	25000
C0550 XC 20 Bolt Action Front Lock Up	7000	10000	10000	500	1000	2000		500	30000
C0700 Remam 223 Caliber Center Fire Rifle	2000	2000	2000	500	500				8000
TD-55302 Recoll. Free Rifle Investigation	-								-
TD-55313 XP-100 Pistol New Calibers	1000								1000
TD-55315 M/600 Bolt Action 6.5MM	3000								3000
TD-55310 M/742-760 Short Range Center Fire Rifle Development	5000								5000
Total Center Fire	234000	100000	26000	10000	7000	4000	1700	3700	170000
Rim Fire									
D0400 (AD XC20) Center Fire - Rim Fire Bolt Action Rifles	80000	20000	7000	1000	1500		200	300	45000
D0450 High Pressure Rim Fire Guns & Amb.	8000	4000		2000	500			500	7000
D0500 M/40X Sporter	4000	500		300	200				1000
D0550 New Target Rifles - Bolt Action	18000	20000	1000	200	1000	2000	300	500	30000
D0500 Development of Model 6600 Pump 22 Cal Rifle	10000	12000	12000	500	1000	1000	200	500	27000
D0550 Investigate Packers or Campers Model	2000	5000	3000	500	500	1000			10000
TD-65407 Invest Autoloading 22 Cal Rifle	3000								-
AD6600 Model 6600 .22 Cal Rim Fire Autoloader	10000								
TD-65403 Interim Appearance Improvements-R/F	4000								
Total Rim Fire	171000	77000	28000	4000	4000	4000	700	1000	171000

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Description	Estimated 1965 Expenditures	Salaries & Wages	List Plant	Stores & Supplies	Wilmington	Travel	Other	Budget 1966 TOTAL
Center Fire (Continued)								
C0450 Plastic Sabot Evaluation	3000	2000	300	300		200		4000
C0300 M/742 Military Modifications	3000	2000	300	300		100	100	3000
C0450 Invest of Future Center Fire Rifles	4000	1500	500	1000		200	200	7000
C0400 Bolt Action Center Fire Rifles 308 SMM	4000	1500	500	500		200	200	2000
C0450 KC 20 Bolt Action Front Lock Up	7000	2000	1000	1000		200	200	2500
C0700 Remington 223 Caliber Center Fire Rifle	2000	2000	500	500				3000
TD-55302 Recall Free Rifle Investigation								
TD-55303 XP-100 Pistol New Calibers	1000							
TD-55315 M/600 Bolt Action 6 SMM	3000							
TD-55310 M/742-750 Short Range Center Fire Rifle Development	5000							
Total Center Fire	23400	10000	7000	7000	1500	700	200	17000
Rim Fire								
D0100 (AD XC20) Center Fire - Rim Fire Bolt Action Rifles	8000	3000	1000	1500		300		4000
D0150 High Pressure Rim Fire Guns & Ammo	5000	4000	2000	500			500	7000
D0200 M/40X Sporter	2000	500	300	200				1000
D0450 New Target Rifles - Bolt Action	18000	2000	300	1000	2000	300	500	20000
D0300 Development of Model 5500 Pump 24 Cal Rifle	1000	1200	500	1000	1000	200	300	2000
D0350 Investigate Packers or Camper Model	2000	5000	500	500	1000			10000
TD-65307 Invest Autoloading 22 Cal Rifle	3000							
AD-6500 Model 5500 - 22 Cal Rim Fire Autoloader	10000							
TD-65403 Interim Appearance Improvement-RF	4000							
Total Rim Fire	191000	7000	4000	4000	4000	700	1000	15000

ILTON RESEARCH DIVISION
1966 BUDGET

	Estimated 1965 Expenditures	Salaries & Wages	Travel	Supplies	Other	Budget 1966 TOTAL
EXPLOSION RESEARCH						
A0100 (M-73) Investigation of Facilities for Telescope Sights & Adjustable	1,100.00	1,000.00	200.00	1,000.00	300.00	1,000.00
A0150 Powdered Metals Basic Research	550.00	1,400.00	500.00	2,000.00	250.00	4,000.00
A0200 Investigate New Alloys and Composites	1,500.00	1,000.00	300.00	500.00	300.00	1,500.00
A0450 Investigate Gun Cases	2,000.00	2,000.00	1,100.00	500.00	1,100.00	1,300.00
Total Exploratory Research	7,100.00	7,000.00	1,000.00	4,700.00	1,170.00	6,800.00
IMPROVEMENT OF ESTABLISHED BUSINESS						
Arms Design						
Shotguns						
B0100 Investigation of Recoil Absorber	300.00	1,500.00	100.00	500.00	300.00	500.00
B0150 Investigate Laminated Fire Control	1,000.00	3,000.00	500.00	700.00	1,000.00	7,000.00
B0200 M11-48 Gas Operated 28 & 410 Ga	1,000.00	4,000.00	200.00	1,200.00	300.00	1,600.00
B0250 Over & Under Autoloader	500.00	4,000.00	300.00	900.00	500.00	2,500.00
B0300 M/870-1100 Shotgun 28-410 Gauges	600.00	1,400.00	300.00	200.00	500.00	1,500.00
B0350 Develop New Type Fire Control Assembly	12,000.00	5,000.00	500.00	500.00	500.00	20,000.00
T0-65204 M1100 Conversion to 28 & 410 Ga.	2,000.00					
Total Shotguns	37,000.00	23,600.00	700.00	2,700.00	1,700.00	94,000.00
Center Fire						
C0100 Barrel Development	1,000.00	2,000.00	500.00	500.00	1,200.00	1,200.00
C0150 (ADXC-20) Center Fire - Rim Fire Bolt Action Rifles	1,300.00	3,200.00	500.00	500.00	300.00	4,000.00
C0200 New 375 Cal M/700 Rifle	2,000.00	500.00	100.00	100.00	100.00	2,800.00
C0250 Fundamental Accuracy Improvement	24,000.00	4,000.00	200.00	1,000.00	500.00	7,000.00
C0300 New Calibers for Center Fire Rifles	1,000.00	3,000.00	200.00	500.00	400.00	7,000.00
C0350 Firing Pin Study	400.00	500.00	200.00	500.00	200.00	800.00
C0400 Plastic Insert Development	11,000.00	500.00	200.00	100.00	500.00	500.00