

INDEX

Abstract				<u>Page</u>	
				1	
Report Text				3	
I. <u>Design</u>		<u>Browning</u>	<u>Ruger</u>	<u>S. & W.</u>	<u>Winchester</u>
Barrel/Receiver	3	15	27		37
Bolt/Firing Pin	5	17	28		38
Fire Control	9	21	32		41
Magazine	10	22	33		42
Safety	12	23	34		43
Stock/Exterior Components	13	25	35		46
II. <u>Stock</u>				<u>Page</u>	
Wood/Finish					48
III. <u>Metal Components</u>					
Material					50
Finish					52
IV. Manufacturing Processes					54

Appendix A	Bolt & Receiver Dimensions	<u>Page</u>
Appendix B	Chem. & Met. Lab Data	