Summary of
Advanced Authorization Request and Cancellation Charges
For the Proposed Bolt Action Carbine.
Advance funding should be requested as follows:

Receiver	10,850
Stock & Stock Assembly	90,000
Floor Plate Assembly	6,500
Floor Plate Pad	8,000
Floor Plate Cover	18,600
Floor Plate Base	6,000
Floor Plate Cover Assembly	2,400
Magazine Followers	5,300
Misc.	5,800
total	$153,450

Cancellation charges:

Receiver	$3000
Stock & Stock Assembly	90,300
Floor Plate Assembly	0
Floor Plate Pad	2,400
Floor Plate Cover	0
Floor Plate Base	6,400
Floor Plate Cover Assembly	0
Magazine Followers	9,000
Misc.	11,000
total	$122,100

Total amount to be requested on advanced authorization
$275,550

Receiver -

FBS 10-1-51

This component will follow the same process as the M/600 .308 caliber (#90397) except as indicated in the write-up below.

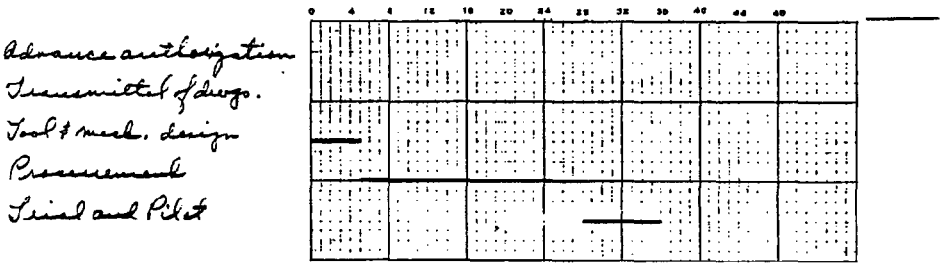
Assumptions:

- The three quote requirement will be waived, on critical tooling, in order to take advantage of favorable delivery if necessary.
- Trial and Pilot cutters will be purchased from Valeron if necessary to get delivery times bettered.
- The design will be firm when transmitted and there will not be changed significantly between Trial and Pilot and production.

Machining Operations	Machines	Tooling design	Tooling costs
Spot drill, drill, etc		5	15
Mill tang crossways, etc		30	80
Mill angle on tang		125	370
Tri-ordinate operation		5	80
Mill safety clearance		115	350
Drill & tap rear guard screw hole		90	270
Rollmark		20	60
Stamp "S" & "F"	RUM. SPEC. $5000.00	100	90
totals in hours		493	1315
dollars	$5000.00	$10,350	$36,200

Advance authorizations to be requested:

Tool and machine design	$10,850
Cancellation charge	3,000
Total	$13,850



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Stock & Stock Assembly — #126 10-1-51

This write-up covers a walnut Stock having a Model III finish, the same as the present M/700 BDL, and N/C checkering.

Assumptions:

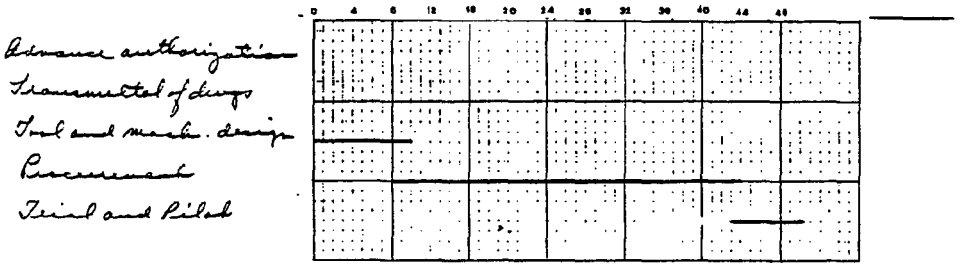
- There is capacity on the sand spray and N/C checkering equipment to handle this model.
- Design will be firm at the time advance funding is authorized.
- There will not be significant design changes between Trial and Pilot and production.

Machining Operations	Vendor Tooling	Machines	Tooling design	Tooling build
Joint & plane			4	20
Shape top & bottom			132	456
Shape top only			132	256
Shape barrel, etc.			156	134
Inlet top & rear etc.			1378	5424
Profile		RICHARDSON COPY LATHE $30,000.00	148	964
Mill Fang Margin		NICHOLS R&F MILL $22,000.00	170	642
Inlet bottom, etc.		RUSH SPEC. No. 1 $71,000.00	515	620
Mill Bottom of Grip, etc.		RUSH SPEC. No 2 $74,000.00	250	660
Saw Fore-End Tip		CHOP SAW $3,000.00	45	164
Shape Fore-End Tip		TWIN MILL $25,000.00	150	570
Butt Plate mold	$15000.00			
Sand complete		2 Vertical spindles $14,000.00		
		1 flat tracer $7,000.00		
		1 horizontal spindle $5,000.00		

Machining Operations	Vendor Tooling	Machines	Tooling design	Tooling build
N/C checker Grip			360	480
N/C checker Forearm			360	480
Production aids			15	75
Totals: Hours			4051	10755
dollars	$15,000.00	$251,000.00	$90,000	$296,000

Advance authorizations to be requested:

Tool & machine design	$90,000
Vendor tooling (Grip Cap mold) - cancellation	15,000
Cancellation charges	$ 75,300.
total	$ 180,300.00



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Lower Plate Base Assembly — HB 1011-5

This assembly is made of two components: the Lower Plate Base, and the Trigger Guard Plate which are brazed together.

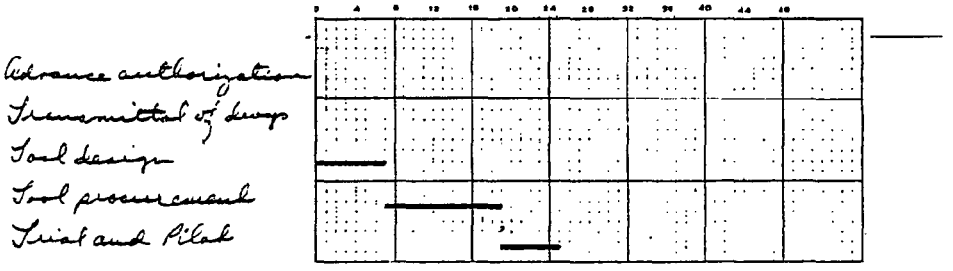
Assumptions:

- The design will be firm when transmitted.
- There will not be significant design changes between Trial and Pilot and production.

Machining Operations	Machines	Tooling design	Tooling build
Induction Braze		150	315
Straighten		50	150
B'drill rear guard screw hole, etc.		93	291
totals in: hours		293	736
dollars		$6500.00	$20,200.00

Advance authorization to be requested

Tool design	$6500
cancellation charges	0
Total	$6500



Floor Plate Pad

This component is a molded nylon part which will be used at Final Assembly.

Assumptions:

- Design will be firm when transmitted
- There will not be significant design changes between Trial and pilot and production.

Operations

Injection mold

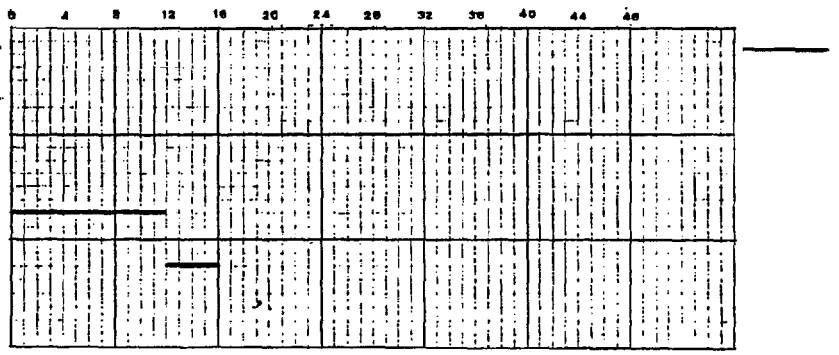
Vendor tooling

290 hours design & build

$8000.00 cost for design & build

Advance authorization to be requested:

Mold design & build	$8000.00
Cancellation charges	2400.00
total	10400.00



Floor Plate Cover

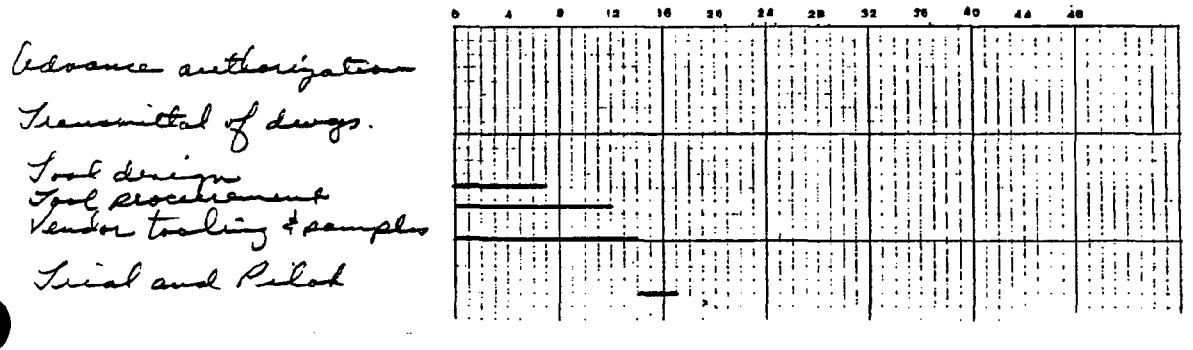
This component is a steel stamping requiring secondary machining. It is part of the Floor Plate Cover Assembly.

Assumptions:
- Design will be firm when transmitted.
- There will not be significant design changes between Trial and Pilot and production.

Machining Operation	Vendor tooling	Tooling design	Tooling build
Purchase Stamp.		121	385
Straddle Mill Hinge		173	400
Ream hole in hinge		42	84
total in: hours		336	869
dollars	$11,200.00	$7400.00	$24,000.00

Advance authorization to be requested:

Tool design	$7400
Vendor tooling	11200
Cancellation charges	0
total	$18600



Floor Plate Base

This is a steel stamping, requiring secondary machining operations, which becomes part of the Floor Plate Base Assembly.

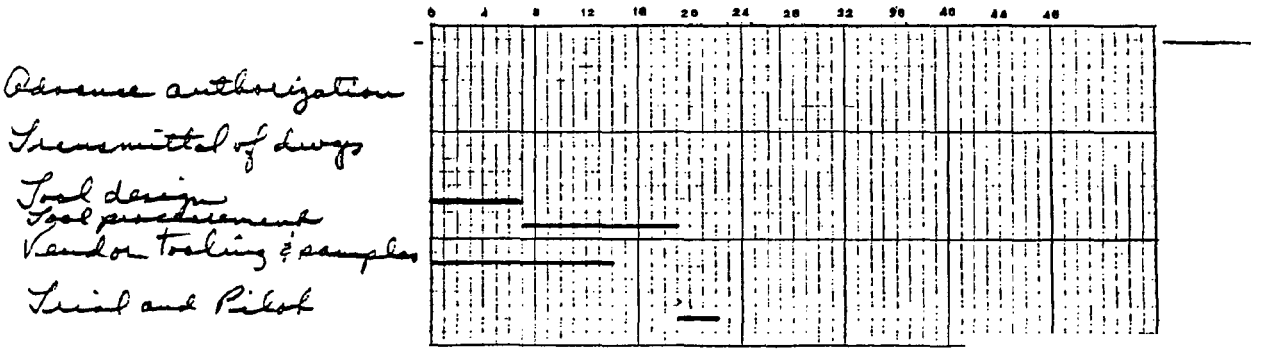
Assumptions:

- Design will be firm when transmitted
- There will not be significant design changes between Trial and Pilot and production.

Secondary Operations	Vendor tooling	Machines	Tooling design	Tooling build
Purchase stamp.			101	318
Mill slot in hinge			126	308
Ream hole in hinge			42	84
totals in hours			269	710
dollars	$21,200.00		$6000	$19500

Advance authorization to be requested:

Tool design	$6000
Vendor tooling - cancellation	6400
Machine cancellation charge	0
Total	$12400.00



Floor Plate Cover Assembly

This assembly is made by spotwelding the Magazine Spring Retainer to the Floor Plate Cover.

Assumptions:

- Design will be firm when transmitted
- There will not be significant design changes between Trial and Pilot and production.

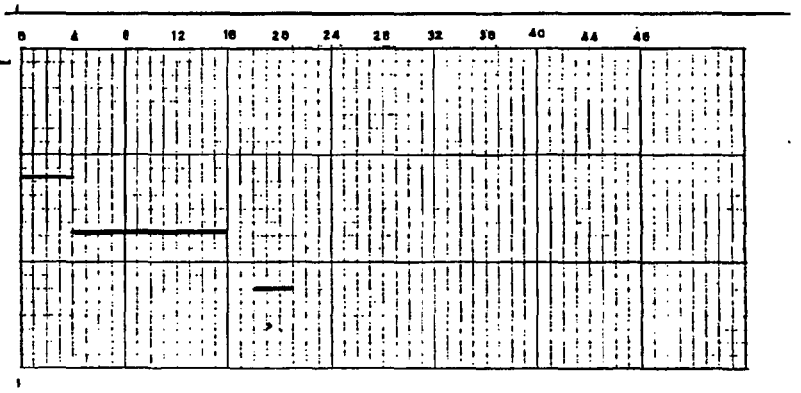
Operations:

	Tooling	
	design	build
Spot weld	100	250
Polish and buff bottom	10	20
Total in: hours	110	270
dollars	$2400	$7500

Advance authorization to be requested:

Tool design	$2400.00
Cancellation charges	0
total	$2400.00

Advance authorization
Transmittal of drwgs
Tool design
Tool procurement
Trial and Pilot



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Miscellaneous Components

The components and/or assemblies listed in this write-up are grouped together as there are no new machines involved and the processes are relatively short or are add-ons from current processes.

Assumptions:

- Design will be firm when transmitted
- There will not be significant design changes between Trial and Pilot and production.

Component or Assembly	Vendor tooling	Tooling	
		Design	Build
Front Sight Ramp Screw	$150.00	4	
Rear Guard Screw	200.00	6	
Bolt Stop Release	3850.00	32	60
Safety Assembly		25	40
Safety	725.00	54	70
Safety Button (P/M)	4800.00		
Trigger Guard Plate	3700.00	12	
Magazine Spring Retainer	6300.00	36	50
Floor Plate Latch (P/M)	5725.00		
Floor Plate Latch Spring	5700.00	36	30
Trigger Guard	5000.00	44	115
Barrel Assembly		5	10
Bolt Assembly			
Bolt Final Assembly			
Final Assembly		10	30
totals in: hours		264	405
dollars	$36200.00	$5800.00	$11,200.00

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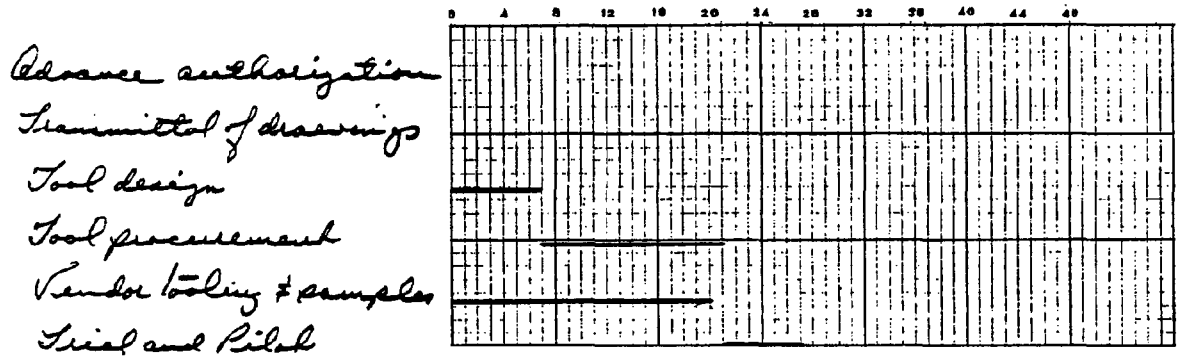
Advance authorization to be requested:

Tool design	$5800.00
Vendor tooling - cancellation	11000.00
Machine cancellation charges	0.00
total	$16800.00



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Magazine Followers

This component is to be a new design steel stamping, hardened and chrome plated.

Assumptions:

- Design will be firm when transmitted.
- There will not be significant design changes between Trial and Pilot and production.

		Tooling design	Tooling build
Vendor tooling (for 2 part)	$30,000.00		
Purchase Insp. Gages		240	720
Man hours		240	720
Dollars	$30,000.00	$5300	$20,000

Advance authorization to be requested:

Tool design	$5300
Vendor tooling (cancellation)	9000
Machine cancellation	—
total	$14,300.00