

OPERATIONS COMMITTEE

M. R. Warden-R. H. Coleman	P. H. Burdett	MINUTE NO. 1, 1956
H. M. Stoessel-J. S. Hoffman	N. F. Larsen	
E. K. Faulkner	J. D. Mitchell-2	
Dewey Godfrey-Gail Evans-	J. B. Maupin	ARMS
G. E. Pinckney	S. M. Alvis-2	
G. M. Calhoun	J. H. Lewis, Jr.	
H. A. Brown	J. K. Hamil	COPY NO. _____

OPERATIONS COMMITTEE - ARMS DIVISION MEETING

January 5, 1956

PRESENT: Members

H. A. Brown, Chairman	<u>Also</u>
S. M. Alvis	W. H. Foster, Jr.
P. H. Burdett	J. K. Hamil
N. F. Larsen	<u>Part time</u>
J. B. Maupin	E. W. Hallston
J. D. Mitchell	H. L. Hamelster
	C. F. Prosser
	E. Sepp

FILE COPY

SHOTGUNS

SPORTSMAN-58

IREM 0028370

CONFIDENTIAL

IREM 0027941

DOUBLE-BARREL OVER AND UNDER SHOTGUN

C
CENTER FIRE RIFLES

MODEL 725

Copy of S. M. Alvis' letter to the Operations Committee dated November 23, 1955, and revised January 9, 1956, is attached (pp. 16-21).

Although the committee had previously recommended a development and construction project to telescope the time schedule, Research and Development reported that certain design work was necessary before the information necessary for a construction project could be accumulated. Work is therefore proceeding on a research project within the research budget, and the construction project will be prepared as soon as the necessary information is available.

Sales suggested the possibility of producing a match version of the 725 in 30/06 caliber, but it was agreed that the subject of introducing a match rifle in this caliber should be considered on its own merits and not as part of the Model 725 program. Sales requested that Research and Development study the matter and report on what would be involved.

There was some discussion of the introduction of the 375 H&H Magnum in the Model 725. Research and Development reported that this was technically feasible. There was a feeling, however, that the introduction of a new caliber like the manufacture of a 30/06 match rifle should be considered on its own merits, and it was requested that an economic evaluation be prepared on the gun and ammunition. For this purpose Sales estimated that the annual volume on the Model 725 would be increased from 7,000 to 7,500,

with 475 ADL grade guns and 25 BDL guns. They estimated that sales of the 375 Magnum in the first year would amount to 1,000 guns. A forecast on ammunition will be provided by Sales for use in preparing the economic study.

It was pointed out that, because of the delays resulting from concentration on the Sportsman-58, it will now not be possible to have this gun ready by August 1, 1956. It now seems probable that January 1, 1957, is the earliest possible realistic announcement date.

MODEL 740

MODEL 722 - 222 TARGET RIFLE

Research and Development delivered the required sample to Sales on January 5, 1956. Further action awaits Sales consideration of this rifle.

RIM FIRE RIFLES

MODEL 572

OPERATIONS COMMITTEE

M. E. Warden-R. H. Coleman	P. H. Burdett	MINUTE NO. 2, 1956
H. M. Stoessel-J. S. Hoffman	N. F. Larsen	
H. K. Faulkner	J. D. Mitchell-2	
Dewey Godfrey-Gail Evans-	J. B. Maupin	ARMS
G. E. Pinckney	S. M. Alvis-2	
G. M. Calhoun	J. H. Lewis	
H. A. Brown	J. K. Hamil	COPY NO. _____

OPERATIONS COMMITTEE - ARMS DIVISION MEETING

March 6, 1956

PRESENT: Members	Also
H. A. Brown, Chairman	W. E. Foster, Jr.
S. M. Alvis	(acted for J. D. Mitchell)
P. H. Burdett	J. K. Hamil
N. F. Larsen	W. E. Leek (part time)
J. B. Maupin	
ABSENT: J. D. Mitchell	

FILE COPY

GENERAL

ARMS DEVELOPMENT SCHEDULE - April 1, 1956

SHOTGUNS

SPORTSMAN-58

CONFIDENTIAL

IREM 0028369 1

IREM 0027938

Riot Gun

SPORTSMAN-60

CENTER FIRE RIFLES

MODEL 722 - 222 TARGET RIFLE

This rifle is now being field-tested, but Sales does not yet have a report to submit.

MODEL 725

A preliminary sample of the Model 725 was shown to the committee. This included many of the features requested by Sales. Among these was a semi-Monte Carlo stock, swept-back bolt handle, hinged floor plate, and Model 740 type sights. The designers believe some of the other features requested may not be practical, and they desire the guidance of Sales concerning some of the features on this model. Sales was therefore requested to review this sample during the visit to be made for a meeting of the subcommittee appointed in connection with trap and riot grades of the Sportsman-58.

This same group was asked to consider the question of providing different weights of barrels, as Winchester is doing on their Model 70 in 243 Winchester.

Development Schedule dates have been established, supporting an announcement date of December 15, 1956. This corresponds with the January 1, 1957, date presented at the last meeting. The date has been moved forward two weeks to permit announcement at the Annual Sales Meetings.

OPERATIONS COMMITTEE

FILE COPY

M. R. Warden-R. H. Coleman	P. H. Burdett	<u>MINUTE NO. 3, 1956</u>
H. M. Stoessel-J. S. Hoffman	N. F. Larsen	
H. K. Faulkner	J. D. Mitchell-2	
Dewey Godfrey-Gail Evans-	J. B. Maupin	ARMS
G. E. Pinckney	S. M. Alvis-2	
G. M. Calhoun	J. H. Lewis	
H. A. Brown	J. K. Hamil	<u>COPY NO. _____</u>

OPERATIONS COMMITTEE - ARMS DIVISION MEETING

April 30 and May 1, 1956

	<u>April 30</u>	<u>May 1</u>
PRESENT: Members		
H. A. Brown, Chairman	x	x
S. M. Alvis	x	x
P. H. Burdett	x	x
N. F. Larsen	x	x
J. B. Maupin	x	x
J. D. Mitchell	x	x
Others		
W. H. Foster, Jr.	x	x
E. W. Hailston	-	part time
H. L. Hameister	part time	part time
J. K. Hamil	-	x
W. E. Leek	part time	-
D. E. Miller	x	x
M. H. Walker	part time	-

Dates of Discussion

April 30 Session

All center fire items
Rim fire items 1, 2, 5, 6

May 1 Session

All shotgun items
Rim fire items 3 and 4
Miscellaneous items

CONFIDENTIAL

IREM 0027935 1

CENTER FIRE RIFLES

1. MODEL 722 - 222 TARGET RIFLE

In a preliminary survey, Sales was unable to develop sufficient interest to indicate a substantial market for such a rifle. They pointed out that, in order to develop the full potential of such a rifle, it would be necessary to bring out a match grade of ammunition. It was agreed to drop this item.

2. MODEL 725

As a result of the subcommittee meeting, there has been some change in the thinking of the Sales Department with regard to the Model 725. It is now suggested that the Model 725ADL might be introduced at \$124.45 with a cast aluminum trigger guard, checkering, colored bolt handle, hinged floor plate, and sling swivels. The barrel length would be 22 inches except in the 222, 244, and 300 Magnum, in which it would be 24 inches.

A list price of \$94.95 was suggested for the Model 725A, which would have the features of the Model 725ADL, except that it would retain the stamped trigger guard and bright bolt, and would have no checkering. This grade would be available in all calibers except 300 H&H Magnum, which would be available only in grades ADL and higher. All grades of the Model 725 would have the new stock design with common sight line and a longer fore-end with more taper.

A major stumbling block has developed in the safety design, which is considered inadequate in the Models 721 and 722. Research and Development reported that redesign of the safety might involve a number of other design changes, and that it would be necessary to review the complete design.

In view of the importance attached by Sales to the improvement in the safety, Research and Development was asked to review the design and to meet again with the subcommittee following this review, in an attempt to establish which features will be offered in the various grades.

As soon as possible, costs will be provided to M. F. Larsen in order that he may determine selling prices which will give proper return. In the light of these revised selling prices, Sales will reconsider the forecast and make recommendations concerning the disposition of the Model 725 and the retention or abandonment of the Models 721 and 722.

OPERATIONS COMMITTEE

M. R. Warden-R. H. Coleman	P. H. Burdett	<u>MINUTE NO. 5, 1956</u>
H. M. Stoessel-J. S. Hoffman	N. F. Larsen	
H. K. Faulkner	J. D. Mitchell-2	
Dewey Godfrey-Gail Evans-	D. E. Miller	ARMS
G. E. Pinckney	S. M. Alvis-2	
G. M. Calhoun	J. H. Lewis	
H. A. Brown	J. K. Hamil	<u>COPY NO. _____</u>

OPERATIONS COMMITTEE - ARMS DIVISION MEETING

Bridgeport
July 10, 1956

PRESENT: Members
H. A. Brown, Chairman
P. H. Burdett
S. M. Alvis
N. F. Larsen
J. D. Mitchell

Also
G. M. Calhoun (part time)
Gail Evans
H. J. Hackman
(acting for D. E. Miller)
J. K. Hamil

ABSENT: D. E. Miller

FILE COPY

SHORTGUNS

SPORTSMAN-58

CONFIDENTIAL

IREM 0028368 I

IREM 0027932 I

28 and 410 Gauges
Evaluations Requested

Proposal No.

M/11-48

Sportsman-58

M/870

CENTER FIRE RIFLES

MODEL 721 - TARGET GRADES

Sales has decided to defer any recommendations on this item until the program on the Model 725 is established.

MODEL 725

Although Research and Development work is not completed on the revised safety recently requested by Sales, sufficient progress has been made to permit presentation of a model for general design features. The proposed safety is of the type used on the Enfield rifle with a relatively long throw. However, it has a feature not available in the Enfield safety in that, with the indicator halfway between the safe and fire positions, the bolt can be unlocked for unloading the gun with the safety still in operation. Both the general design and this particular feature were considered acceptable by Sales. Final approval cannot be given, of course, until design work is completed and samples are submitted for evaluation and approval.

The Ilion Plant is obtaining vendor quotations on all of the model drawings which have been released for estimating. It is anticipated that all of these quotations will be received by August, after which an economic evaluation will be prepared. There was considerable discussion of the probable outcome of this evaluation, since it now appears improbable that this gun will show an adequate return at the expected selling price. This arises not only from the extensive changes required to incorporate the new style safety, but more particularly from the requirement of hand checkering on the long stock. It was pointed out that Machine Development has several times considered the possibility of developing a machine to perform this operation, but it has never been

justified. However, with the possibility of selling 7,000 Model 725 rifles per year, it is possible that such a machine would be justified, and N. F. Larsen was asked to consider this possibility in preparing economics.

A third possibility is that an outside vendor might perform the checkering operation at less expense than we could at Ilion. It is believed that this might be an unsatisfactory arrangement, but, in order to insure the consideration of all possible courses of action, Ilion will attempt to determine whether this might be done.

MODEL 740

280 Remington

308 Winchester

C
H
A
P
A

OPERATIONS COMMITTEE

M. R. Warden-R. H. Coleman	P. H. Burdett	<u>MINUTE NO. 6, 1956</u>
H. M. Stoessel-J. S. Hoffman	N. F. Larsen	
H. K. Faulkner	J. D. Mitchell-2	
Dewey Godfrey-Gail Evans	D. E. Miller-2	ARMS
G. M. Calhoun	S. M. Alvis-2	
H. A. Brown	J. H. Lewis, Jr.	
	J. K. Hamil	<u>COPY NO. _____</u>

OPERATIONS COMMITTEE - ARMS DIVISION MEETING

September 6, 1956

PRESENT:	<u>Members</u>	<u>Others</u>
	H. A. Brown, Chairman	M. R. Warden (part time)
	S. M. Alvis	R. H. Coleman (part time)
	P. H. Burdett	Dewey Godfrey (part time)
	N. F. Larsen	E. J. Hackman
	J. D. Mitchell	(acted for D. E. Miller)
		H. L. Hamelster
		J. K. Hamil

ABSENT: D. E. Miller

FILE COPY

GENERAL

DEVELOPMENT SCHEDULE

CONFIDENTIAL

[REM 0028367]

[REM 0027930]

MODEL 870

28 and 410 Gauges

April 2, 1956.

206-111-1117

CENTER FIRE RIFLES

MODELS 721 and 722 MATCH RIFLE

The Sales Department reports that there is renewed interest in the possibility of producing a match rifle in the 308 and 30/06 calibers. They will prepare tentative specifications and sales estimates for consideration by Research and Development.

MODEL 725

The Ilion Plant now has determined that start-up costs on the Model 725 would be approximately \$200,000. With this information, the required economic study can now be prepared. The Treasurer's Department is uncertain how soon this can be available.

The Treasurer's Department is proceeding on the assumption that the Model 725 should be introduced in grades A, ADL, and BDL. Sales felt that the new guns should be in grades ADL and BDL only, and that the Models 721 and 722 should be retained as the A grade. However, discussion brought out that this apparent difference was essentially only a difference in terminology since Sales feels that the Models 721 and 722 should be modified to incorporate some of the more important features of the Model 725 (i.e., the revised safety). The revised Models 721 and 722 would thus be substantially identical with the proposed Model 725A. The Treasurer's Department will therefore proceed with the economic evaluation as planned, and will advise the committee when it is available.

MODEL 740

280 Remington

OPERATIONS COMMITTEE

M. R. Warden-R. H. Coleman
H. M. Stoessel-J. S. Hoffman
H. K. Faulkner
Dewey Godfrey-Gail Evans
G. M. Calhoun
H. A. Brown

P. H. Burdett
N. F. Larsen
J. D. Mitchell-2
D. E. Miller-2
S. M. Alvis-2
J. H. Lewis, Jr.
J. K. Hamil

MINUTE NO. 7, 1956

ARMS

COPY NO. _____

OPERATIONS COMMITTEE - ARMS DIVISION MEETING

Illion
October 9, 1956

PRESENT: Members
H. A. Brown, Chairman
S. M. Alvis
P. H. Burdett
N. F. Larsen
D. E. Miller

Others
W. A. Best (part time)
A. J. Brown (part time)
W. H. Foster, Jr.
(acting for J. D. Mitchell)
H. J. Hackman
L. E. Huffman (part time)
E. B. Wallin (part time)

ABSENT: J. D. Mitchell

SHOTGUNS

SPORTSMAN-58

Fore-end Modification

FILE COPY

CONFIDENTIAL

IREM 0028366

IREM 0027926

under development for possible use in the Model 725, and could perhaps be made available by June, 1957.

If the Model 725 is to be introduced, the Sales Department desires to retain as a distinctive feature of the Models 721-722 the "hump" on the barrel. The presence of this hump has an important bearing on the type of sight which can be used and the size of the sight required. This is also affected by the type of stock to be furnished on the Model 721. Therefore, it was decided to defer further consideration of this item until a decision can be reached on the introduction of the Model 725.

MODEL 722

244 Remington

The Sales Department has expressed interest in introducing the 244 Remington in the Model 722, equipped with a lightweight barrel comparable to the Model 70 furnished in 243 Winchester. Ilion Research and Development says that the manufacture of such a gun is practicable. It was suggested that further consideration of this model be deferred until the future program on the Models 721-722 and Model 725 is clarified. It was also pointed out that, should Sales desire further consideration of the lightweight Model 722 in 244 Remington, they should consider modifying the barrel twist to favor the 100 grain bullet now under development.

Following the meeting, Sales advised that the need for a lightweight hunting rifle in 244 Remington caliber is too urgent to permit deferment. Sales should therefore submit specifications and forecasts. Ilion Research and Development and Plant can then estimate earliest introduction date and cost.

MODEL 725

A letter of September 18, 1956, from J. D. Mitchell to Gail Evans (copy attached) outlines specifications for the proposed Model 725. As a result of further discussions with the Ilion Plant and Research and Development personnel, Sales has agreed to two modifications in these specifications. The first is that they will not require inletting of the butt plate, and, the second, that they will accept the Remington-designed rear sight in place of the Marble or Lyman adjustable folding leaf rear sight.

The Ilion Plant and Research and Development expressed considerable skepticism as to whether a gun having these specifications could be produced to sell with adequate return at a retail price of \$129.95. However, they are proceeding with cost estimates for presentation as quickly as possible. Two specific points were raised:

1. Steel floor plate. It is believed that Winchester has heavy forging equipment available on which the floor plate for the Model 70 is made. Presumably because of the availability of this equipment, they could not justify changing to an aluminum plate such as we use.

Similarly, a change by us to a steel plate would require the purchase of special forging equipment for this one part. It was suggested, therefore, that an alternate calculation be made based on the provision of an aluminum floor plate.

2. Wood grade. The supplies of B grade wood are limited by nature. Ilion Purchasing does not believe sufficient B grade wood for 15,000 guns a year could be obtained without purchasing far more stock blanks than will be required for the Models 721, 722, and 725. It was pointed out that Winchester offers special-grade wood on the Model 70 at a premium price when available. It was suggested, therefore, that alternate calculations be prepared on the use of A grade and B grade wood.

The committee concurred in both of the suggestions for alternate calculations.

If the Model 725 is introduced, Sales desires to retain the Models 721 and 722 at the present price and present volume as the A grade gun with only the following features of the Model 725:

1. Common sight line stock without the Kenne Carlo feature.
2. Saw iron sights of the same design to be used on the Model 725, but on a Model 721 type "hump" barrel.

3. The new safety.

Since the similarities of and differences between the Models 721-722 and Model 725 affect the cost of both lines, cost estimates will be prepared on the whole program.

Machine Development has revised its previous estimate for the design and manufacture of the first machine for machine checkering of the long stock required on the Model 725, to \$70,000. No further work will be done on this program without project authorization.

MODEL 740

280 Remington

C
H
A
P
A

308 Winchester

244 Remington

OPERATIONS COMMITTEE

M. R. Warden-R. H. Coleman	P. H. Burdett	MINUTE NO. 9, 1956
H. M. Stoessel-J. S. Hoffman	N. F. Larsen	
H. K. Faulkner	J. D. Mitchell-2	
Dewey Godfrey-Gail Evans	D. E. Miller-2	ARMS
G. M. Calhoun	S. M. Alvis-2	
H. A. Brown	J. H. Lewis, Jr.	
	J. K. Hamil	COPY NO. _____

OPERATIONS COMMITTEE - ARMS DIVISION MEETING

Illion
December 11, 1956

FILE COPY

PRESENT: <u>Members</u>	<u>Others</u>
H. A. Brown, Chairman	A. H. Catenheusen (part time)
S. M. Alvis	W. H. Foster, Jr.
P. H. Burdett	H. J. Hackman
N. F. Larsen	J. K. Hamil
D. E. Miller	E. W. Hailston (Discussion of)
J. D. Mitchell	H. L. Hameister (M/552 only)

SHOTGUNS

SPORTSMAN-58

Cleaning

Quality

CONFIDENTIAL

[REM 0028365]

[REM 0027920]

CENTER FIRE RIFLES

MODEL 721-722 MATCH RIFLE

Various proposals for a method of producing high-quality center fire match rifles are under consideration, but no decisions have yet been reached.

MODEL 722

244 Remington

On further consideration, the Sales Department has withdrawn its suggestion that consideration be given to the furnishing of two barrel types for hunting and varmint use. This decision is subject to reconsideration should it be found that a 100 grain 244 cartridge cannot be fired in existing rifles without the occurrence of an appreciable number of noticeable tipppers.

However, the Sales Department still believes that there is a place for a lightweight 22-inch hunting rifle with new sights. They are willing to defer consideration of such a rifle until a decision has been reached on the future of the Model 725.

MODEL 725

Revised economics were presented by N. F. Larsen (attached). They show adequate operative earnings on the proposed 721-722-725 series, improved return on investment on a book basis, and satisfactory return on investment on an out-of-pocket basis. However, the operative earnings on the modified Models 721 and 722 do not appear satisfactory. Sales was therefore asked what forecast they could support if the Models 721 and 722 were obsoleted at the time of introduction of the Model 725. They estimated informally that they would forecast 20,000 Model 725s, and N. F. Larsen was asked to review the economics on this basis, in the hope that the operative earnings would be more satisfactory.

Sales pointed out that, as noted in the letter of transmittal from N. F. Larsen, the present cost estimates are based on the following differences between the Model 725 sample gun previously submitted and the version now proposed:

Bridgeport, Connecticut
December 12, 1956

TO: P. H. BURDETT (30)

FROM: N. F. LARSEN

SUBJECT: SALES, EARNINGS AND RETURN ON INVESTMENT -
MODIFIED M/721-722 AND M/725 VS. PRESENT M/721-722

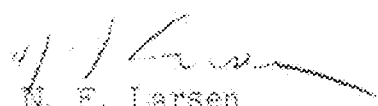
Attached are the following schedules on the above subject:

- (1) Comparison of present and proposed bolt action center fire rifle lines -- book operative earnings by model
- (2) Sales, earnings and return on investment -- book basis
- (3) Increase in sales, earnings and return on investment -- out-of-pocket basis.

The above data are based on the following assumptions in connection with the M/725:

- (1) "A" grade wood
- (2) Machine checkering
- (3) Aluminum floor plate and trigger guard.

Calculations based on a steel floor plate and trigger guard on the M/725 will be completed within a few days.


N. F. Larsen

NFL:dmg

IREM 0027922 1

OPERATIONS COMMITTEE

M. R. Warden-R. H. Coleman	N. F. Larsen	<u>MINUTE NO. 1, 1957</u>
H. M. Stoessel-J. S. Hoffman	J. D. Mitchell-	
H. K. Faulkner	F. E. Morgan (2)	
Dewey Godfrey-Gail Evans	D. E. Miller (2)	ARMS
G. M. Calhoun	S. M. Alvis (2)	
H. A. Brown	J. H. Lewis, Jr.	
P. H. Burdett	J. K. Hamil	<u>COPY NO. _____</u>

OPERATIONS COMMITTEE - ARMS DIVISION MEETING

Bridgeport
January 8, 1957

FILE COPY

PRESENT:	<u>Members</u>	<u>Others</u>
	H. A. Brown, Chairman	W. H. Foster, Jr.
	P. H. Burdett	H. J. Hackman
	N. F. Larsen	(acting for D. E. Miller
	J. D. Mitchell	and S. M. Alvis)
		J. K. Hamil
		F. E. Morgan

ABSENT:	S. M. Alvis
	D. E. Miller

SHOTGUNS

SPORTSMAN-58

CONFIDENTIAL

[REM 0028364]

[REM 0027914]

OPERATIONS COMMITTEE

M. R. Warden-R. H. Coleman	P. H. Burdett	MINUTE NO. 11, 1957
H. M. Stoessel-J. S. Hoffman	N. F. Larsen	
H. K. Faulkner	F. E. Morgan-2	
Dewey Godfrey-Gail Evans	D. E. Miller-2	
G. M. Calhoun	S. M. Alvis-2	
J. D. Mitchell	J. H. Lewis, Jr.	
H. A. Brown	J. K. Hamil	COPY NO. _____

OPERATIONS COMMITTEE - ARMS DIVISION MEETING

Bridgeport
December 6, 1957

FILE COPY

PRESENT: Members Others

H. A. Brown, Chairman	W. R. Foster
S. M. Alvis	J. K. Hamil
N. F. Larsen	
D. E. Miller	
F. E. Morgan	
P. H. Burdett, Secretary	

SHOTGUNS

MODEL 870

28 and 410 Gauges

IREM 0028363 1

IREM 0027908

Tentative Autoloading Shotgun Program
Revised December 6, 1957

C

H

CENTER FIRE

MODEL 725

During pilot assembly, the need for some minor design changes was indicated. These included modification of the safety and the support in the receiver for the bolt camming surface, alteration to the floor plate latch assembly, and modification of the trigger guard to control cartridge capacity. These changes were made by tool room methods and 17 guns have been assembled. Testing to date has been satisfactory. One gun was presented for appearance and was judged satisfactory except that the color of the stock was not sufficiently red to meet present Remington standards. This can be readily changed and the Ilion Plant will have a revised sample available by the Sales meetings commencing December 9.

It is expected that regular assembly of guns will start December 9 and guns for the district managers should be available for shipment December 13.

The Ilion Plant submitted the following revised warehouse schedule:

IREM 0028300 1

IREM 0027909

Arms Minute No. 11, 1957

In view of the potentially serious competitive situation, and the favorable economics of the overall program, the Committee took the following action:

Decision:

The Operations Committee, Arms Division, recommends to the Management introduction of the Model 722 222 Remington Magnum at the same prices as the same Model 722 222 Remington.

The combined economic summary for Arms and Ammunition will be presented with the recommendation to Management.

MODEL 740

Ejection Port Cover

ADL Fore-End Cap

IREM 0028301 1

IREM 0027912

CONFIDENTIAL

OPERATIONS COMMITTEE

M. R. Warden-R. M. Coleman	✓ P. H. Burdett	<u>MINUTE No. 1, 1958</u>
H. M. Stoessel-J. S. Hoffman	N. F. Larsen	
H. K. Faulkner	F. E. Morgan-2	
Dewey Godfrey-Gail Evans	D. E. Miller-2	
G. M. Calhoun	S. M. Alvis-2	
J. D. Mitchell	J. H. Lewis, Jr.	
H. A. Brown	J. K. Hamil	<u>COPY NO. 7</u>

OPERATIONS COMMITTEE - ARMS DIVISION MEETING

Ilion
January 7, 1958

PRESENT:	Members	Others
	H. A. Brown, Chairman	W. E. Leek
	S. M. Alvis	H. J. Hackman
	N. F. Larsen	J. K. Hamil
	D. W. Miller	E. B. Wallin (part time)
	F. E. Morgan	A. J. Brown (part time)
	P. H. Burdett, Secretary	

FILE COPY

SHOTGUNS

MODEL 870

28 and 410 Gauges

| REM 0028371 |

| REM 0027944 |

CONFIDENTIAL

OPERATIONS COMMITTEE

M. R. Warden-R. H. Coleman	✓ P. H. Burdett	<u>MINUTE No. 1, 1958</u>
H. M. Stoessel-J. S. Hoffman	N. F. Larsen	
H. K. Paulkner	F. E. Morgan-2	
Dewey Godfrey-Gail Evans	D. E. Miller-2	
G. M. Calhoun	S. M. Alvis-2	
J. D. Mitchell	J. H. Lewis, Jr.	
H. A. Brown	J. K. Hamil	<u>COPY NO. 7</u>

OPERATIONS COMMITTEE - ARMS DIVISION MEETING

Ilion
January 7, 1958

PRESENT:	Members	Others
	H. A. Brown, Chairman	W. E. Leek
	S. M. Alvis	H. J. Hackman
	N. F. Larsen	J. K. Hamil
	D. W. Miller	E. B. Wallin (part time)
	F. E. Morgan	A. J. Brown (part time)
	P. H. Burdett, Secretary	

FILE COPY

SHOTGUNS

MODEL 870

28 and 410 Gauges

[REM 0028362]

[REM 0027904]

CHAPTER CENTER FIRE RIFLES

MODEL 725

The Plant has run into the usual start-up problems which have been resolved as they came up. This have included problems of color, quality of the vendor-produced stock, improvement in fit of the floor plate, improved retention of the floor plate latch spring and improved action of the safety. Solution of these problems delayed assembly of Caliber 30/06 guns during December but assembly is now proceeding. Shipment of six advance writer samples

[REM 0028309]

[REM 0027945]

requested by Sales have been made and it is expected that the rest of the writers' guns should be shipped on January 8. The balance of field representatives' guns should be shipped by January 15.

The Ilion Plant submitted the following revised warehouse schedule reflecting the delays in assembly of the 30/06 guns.

	December 6, 1957 Schedule			January 7, 1958 Schedule		
	<u>30/06</u>	<u>270</u>	<u>280</u>	<u>30/06</u>	<u>270</u>	<u>280</u>
December 1957	400	0	0*	6	0	0
January 1958	1320	0	0	900	300	0
February 1958	540	600	0	720	300	0
March 1958	900	0	360	680	0	480

* 190 assembled

This schedule shows an advance in the availability of the 270 caliber which was questioned in view of the Sales request that the 280 precede the 270. The Ilion Plant explained that Model 721 guns in 270 caliber had been in process and were not required in the warehouse because of a lack of orders. They are therefore being converted to Model 725 and this accounts for the early availability of this caliber.

Research and Development selected ten 30/06 guns for pilot testing. The results of this testing were satisfactory. The report is attached. The difficulty with the floor plate latch spring referred to in this report was referred to above and has been overcome by the Plant.

Research and Development and the Plant presented a Model 725 to show a problem which still exists in the stock. The stock has relatively thin sections in front of and beside the safety lever. It is expected that in use these thin sections may be broken since the vendor finds that they break easily in manufacture. These difficulties could be overcome by lowering the height of the stock beside the safety lever and by lowering and rounding the thin section forward of the safety lever. However, the Committee was not willing to approve either of these changes. The reduction in height of the wood beside the lever is unattractive in appearance as it exposes to view part of the fire control mechanism. The change to the section forward of the lever appears to introduce some uncertainty in the positioning of the safety since this part of the stock had been used as a stop for the forward movement of the safety lever. Other methods of overcoming this difficulty will therefore be investigated.

ALL PURPOSE STOCK, Models 721, 722, 740, 760

Manufacture of the all-purpose stock is proceeding satisfactorily. However, reduced rates of production will affect the availability of this stock in different models and calibers since it is to be introduced without obsolescence. The Ilion Plant, therefore, submitted a revised schedule, attached to these minutes, to replace that included as an attachment to the Development Schedule dated August 27, 1957.

MODEL 722 - 222 REMINGTON MAGNUM

This new caliber will be announced January 10 for delivery April 1. Engineering work, tool design and tool procurement are being expedited and it is anticipated that the promised delivery date can be met if test ammunition is available soon enough. Bridgeport Plant now hopes that first samples for use in checking feeding in the Model 722 will be available by January 15.

Research and Development submitted a revision of Drawing B-17172 showing the barrel marking to be used. The Committee approved the marking 222 REM. MAG., subject to legal approval which will be obtained by Research and Development.

MODEL 740

Ejection Port Cover

ADL Fore-End Cap

MODEL 760 - 280 REMINGTON CALIBER

| REM 0028310 |

| REM 002794

CHAPTER

CENTER FIRE RIFLES

MODEL 725

The Plant has run into the usual start-up problems which have been resolved as they came up. This have included problems of color, quality of the vendor-produced stock, improvement in fit of the floor plate, improved retention of the floor plate latch spring and improved action of the safety. Solution of these problems delayed assembly of Caliber 30/06 guns during December but assembly is now proceeding. Shipment of six advance writer samples

IREM 0028298 1

IREM 0027905

CONFIDENTIAL

OPERATIONS COMMITTEE

M. R. Warden-R. H. Coleman	P. H. Burdett	MINUTE NO. 2B.1958
H. M. Stoessel-J. S. Hoffman	N. F. Larsen	
H. K. Faulkner	F. E. Morgan-2	
Dewey Godfrey-Gail Evans	D. E. Miller-2	Arms
G. M. Calhoun	S. M. Alvis-2	
J. D. Mitchell	J. H. Lewis, Jr.	
H. A. Brown	J. K. Hamil	COPY NO. _____

OPERATIONS COMMITTEE - ARMS DIVISION MEETING

Bridgeport
March 4, 1958

FILE COPY

PRESENT: Members
H. A. Brown, Chairman
S. M. Alvis
N. F. Larsen
F. E. Morgan
P. H. Burdett, Secretary

Others
W. E. Leek
W. H. Foster
H. J. Hackman (acting for
D. E. Miller)

Absent: D. E. Miller

SHOTGUNS

MODEL 870

28 and 410 Gauges

IREM 0028361 1

IREM 0027900 1

requested by Sales have been made and it is expected that the rest of the writers' guns should be shipped on January 8. The balance of field representatives' guns should be shipped by January 15.

The Ilion Plant submitted the following revised warehouse schedule reflecting the delays in assembly of the 30/06 guns.

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	<u>30/06</u>	<u>270</u>	<u>280</u>	<u>30/06</u>	<u>270</u>	<u>280</u>
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January 1958	1320	0	0	900	300	0
February 1958	540	600	0	720	300	0
March 1958	900	0	360	680	0	480

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Research and Development submitted a revision of Drawing E-17172 showing the barrel marking to be used. The Committee approved the marking 222 REM. MAG., subject to legal approval which will be obtained by Research and Development.

MODEL 740

Ejection Port Cover

ADL Fore-End Cap

MODEL 760 - 280 REMINGTON CALIBER

[REM 0028299]

[REM 0027907]

MODEL 725

Ilion reported that functioning of the safety has been improved by a reduction in the tolerances on the bolt stop pin, and that a better fit of the housing and receiver has improved trigger pull. Further experience has indicated that the problem of strength in the stock section immediately forward of the safety lever may not be as serious as had been anticipated and no change will be made at this time.

A number of approaches have been tried for solution of the problem of rear sight strength. The addition of a web and fillets between the ears of the rear sight leaf has made a distinct improvement and a further change is being made by the vendor which it is believed will further strengthen this part. New stampings are expected by the middle of March.

Approximately 740 guns have been assembled in Model 30-06 and an additional quantity of 270s has been assembled. Ten of these have been selected by Research and Development for pilot testing. The Plant submitted the following revised warehouse schedule:

	<u>January 7, 1958</u> <u>Schedule</u>			<u>March 4, 1958</u> <u>Schedule</u>		
	<u>30-06</u>	<u>270</u>	<u>280</u>	<u>30-06</u>	<u>270</u>	<u>280</u>
December 1957	6*	0	0	6*	0	0
January 1958	900	300	0	333*	0	0
February 1958	720	300	0	400*	0	0
March 1958	680	0	400	500	400	200
April				500	200	500

* Actual

IREM 0028296

IREM 0027901

The Sales Department reported that initial field test results have been generally good. They have received comments on a number of features which include the following:

1. Tackiness. Some of the guns received in the field were quite tacky and difficult to clean. The Ilion Plant believes this is because the preservative was applied by hand and they anticipate that production guns processed in the approved manner will not have this characteristic.
2. Safety. The safety on some of the guns wobbled and appeared insecure. The Ilion Plant has recognized this difficulty and steps have been taken to tighten fits to insure a firm feel.
3. Checkering. The checkering on some of the first guns has been shallow and not of the expected quality. The Ilion Plant has been following this with the vendor and it is expected that the checkering quality on stocks will be of the specified quality.
4. Floor Plate Latch. The difficulty of obtaining proper tension and feel on the floor plate latch has been recognized throughout the development of this gun. As a result of Sales comments, some modifications are being made in current manufacture. A slightly modified latch design has been developed which is expected to provide more latitude in the fit of the floor plate without affecting action of the latch.
5. Bolt Climb. The Sales Department commented on the fact that the bolt climbs when the trigger is pulled. This is recognized by the Ilion Plant and Research and Development as being characteristic of this type of action. They pointed out that it occurs in all Models 721 and 722 but appears to have no effect on accuracy.

MODEL 740 - EJECTION PORT COVER

CONFIDENTIAL

OPERATIONS COMMITTEE

M. R. Warden	Paul Hickman	MINUTE NO. 5, 1959
R. H. Coleman	J. D. Crammond	
H. M. Stoessel-J. S. Hoffman	N. F. Larsen	
H. K. Faulkner	S. M. Alvis -2	
Dewey Godfrey	R. T. Catlin	
Gail Evans	J. E. Dickey	
G. M. Calhoun	D. E. Miller -2	
J. H. James	J. D. Mitchell-2	
	C. A. Nash	COPY NO. _____

OPERATIONS COMMITTEE - ILION DIVISION

Ilion
September 1, 1959

Present:	<u>Members</u>	<u>Others</u>
	Paul Hickman, Chairman	A. J. Seckner
	S. M. Alvis	(Acting for N. F. Larsen)
	R. T. Catlin	H. J. Hackman
	J. E. Dickey	(Acting for D. E. Miller)
	J. D. Mitchell	J. D. Campbell
		W. H. Foster (Part time)
Absent:	N. F. Larsen	H. L. Hamelster (Part time)
	D. E. Miller	A. H. Hamann (Part time)
	C. A. Nash	A. D. Kerr
		E. Sapp
		R. Wallace (Part time)

Meeting opened - 8:30 a.m.

FIREARMS

SHOTGUNS

XS-6 SHOTGUN