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April 30, 1982

TO: C. B. WORKMAN

FROM: T. L. CAPELETTI *TC*SUBJECT: BOLT ACTION RIFLE DEVELOPMENT — REPLACEMENT FOR MODEL 700

Based on our discussion Friday, April 23, the proposed specifications for bolt action rifle development are as follows:

A. Preferred DesignB. Contingency Design #1C. Contingency Design #21) Receiver

- | | | |
|--|-------------------------------------|-----------------------------------|
| ✓a) Flat bottom octagonal | a) Round bottom octagonal | a) Full round |
| ✓b) Integral recoil lug | b) M/700 - thicker | b) M/700 - thicker |
| ✓c) Integral & standard scope mounts | c) Integral & standard scope mounts | c) Standard scope mounts |
| ✓d) Anti-bind bolt | d) M/700 - no bind | d) M/700 - no bind |
| ✓e) Front lock
— two <i>three</i> lug system | e) Front lock
— two lug system | e) Front lock
— two lug system |
| ✓f) Short and long actions | f) Short and long actions | f) Short and long actions |
| ✓g) New bolt stop-release | g) New bolt stop-release | g) M/700 |

✓ = Marketing preference as per 5/26/82 meeting.

Bolt Action

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4-30-82

A. Preferred Design

B. Contingency Design #1

C. Contingency Design #2

2) Safety

- ✓a) Block trigger and firing pin
- b) Reposition switch to bolt plug
- ✓c) Independent bolt lock
- ✓d) Cocking indicator

- a) Block trigger and firing pin
- b) Reposition switch to tang
- c) Independent bolt lock
- d) Cocking indicator

- a) Block trigger and sear
- b) M/700
- c) No bolt lock
- d) Cocking indicator

3) Fire Control

- ✓a) Fully adjustable in stock - With limits on engagement - Safe lower limit
- ✓b) Standard trigger
- ✓c) Exposed components - No housing

- a) Weight of pull adjustable in stock - Pre set engagement and overtravel
- b) Standard trigger
- c) Skeletonized housing

- a) Tamper proof M/700
- ~~b) Double set trigger~~
- c) Skeletonized housing

4) Barrel

- ✓a) High gloss without removing hammer marks
- ✓b) Light weight contour
- ✓c) Target crown
- ✓d) Recoil reducing muzzle device - Option
- ✓e) Stainless steel - Option
- ✓f) Clean barrel

- a) High gloss without removing hammer marks
- b) Light weight contour
- c) Target crown
- d) Recoil reducing muzzle device - Option
- e) Carbon steel
- f) Drilled & tapped for iron sights - no sights

- a) M/700
- b) Light weight contour
- c) Target crown
- d) No recoil reducing device
- e) Carbon steel
- f) Iron sights

Bolt Action

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A. Preferred DesignB. Contingency Design #1C. Contingency Design #25) Feed System✓ a) Rotary magazine
~~- detachable~~a) Floor plate and
detachable box - Option

a) Detachable box

✓ b) No bind

b) No bind

b) No bind

✓ c) Unload with bolt open

c) Unload with bolt open

c) —

d) *Unlocked follower*6) Bolt✓ a) Fully enclosed claw
type extractora) Fully enclosed claw
type extractor

a) M/700 extractor

✓ b) Restyled knob bolt
handle

b) Spoon bolt handle

b) Smooth M/700
bolt handlec) ~~Two lug system~~ *Front Lock*

c) Two lug system

c) Two lug system

✓ d) Easy lift

d) Easy lift

d) Easy lift

✓ e) Jeweled

e) Serrated

e) Plated

✓ f) Reduced lock time

f) Reduced lock time

f) Reduced lock time

✓ g) Restyled bolt plug

g) Restyled bolt plug

g) Standard M/700
bolt plug7) Stock✓ a) Walnut *- Cat Checked
20 Lines/Inch*

a) Walnut

a) Walnut

✓ b) Recessed sling swivel
studsb) Recessed sling swivel
studsb) Standard sling
swivel studs

✓ c) Cast off and toe out

c) Cast off and toe out

c) Straight

✓ d) Skeleton butt plate
and grip capd) *Serrated*
Skeleton butt plate
and grip capd) Standard butt
plate and grip cap*(ie. Inverted)*

Bolt Action

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4-30-82

A. Preferred Design

B. Contingency Design #1

C. Contingency Design #2

7) Stock (cont'd)

✓ e) Epoxy bedding

e) Epoxy bedding

e) No epoxy bedding

✓ f) Emmons' stock

f) Monte Carlo and
cheek piece

f) Straight Classic

✓ g) Medium gloss and
~~RKW finish~~

g) Medium gloss and
~~RKW finish~~

g) Medium gloss and
~~RKW finish~~

✓ h) Schobel Forend

h) Emmons Round
Fore-end

h) Round - No
Tip Fore-end

TLC:ws