Tim, I'd appreciate it if the attached information and the fact that you've received it go no farther than you and Bud until my article is published.

Thanks

Jayne

Well over 3000 Responses

Stopped TABULATING @ 3000

423 562-9172

Bud

I TALKED WITH LAYNE - HE SAID IT'S OK to SHARE WITH OUR OWN PEOPLE JUST DON'T LET THE WORLD KNOW. LET'S HONOR HIS CONFIDENTIALITY.

TIM

Layne Simpson

Design-2

Chart A
Questionnaires Returned By State

State	Percentage Of Total
California	8.3
Texas	8.3
Pennsylvania	5.9
New York	4.4
Washington	3.9
Michigan	3.8
Wisconsin	3.2
Missouri	3.1
Oregon	3.0
Colorado	2.9
Florida	2.8
Montana	2.7
Ohio	2.6
Alaska	2.2
Minnesota	2.2
Utah	2.2
Virginia	2.2
Illinois	2.1
Georgia	2.0
Indiana	2.0
Arizona	1.9
North Carolina	1.9
Tennessee	1.9
Maryland	1.7
New Mexico	1.4
Wyoming	1.4
Idaho	1.2
Arkansas	1.3
Kansas	1.1
Mississippi	1.1
Oklahoma	0.9
West Virginia	0.9
Nebraska	0.8
Connecticut	0.8
Iowa	0.8
Massachusetts	0.8
Nevada	0.8
New Jersey	0.8
Kentucky	0.7
South Carolina	0.7
Alabama	0.6
Remaining states	4.9
Other countries	1.8

Layne Simpson Design-2

Chart B
What Shooting Times Readers Prefer
In A Bolt-Action Big-Game Rifle

Barreled action material and finish.

40.8% Stainless steel with blue/black finish
23.9% Stainless steel with brushed finish
21.6% Blued carbon steel
10.5% Carbon steel with black Teflon finish
0.3% Carbon steel with hard chrome finish
2.9% No preference

Scope mounting system.

59.9% Integral base on receiver
34.8% Receiver drilled and tapped
5.3% No preference

Receiver should be drilled and tapped at factory for receiver sight.

48.4% No
29.3% Yes
22.3% No preference

Safety type.

42.5% Three-position on bolt shroud
34.3% Two-position on receiver tang
15.2% Two-position beside receiver tang
7.9% Two-position on bolt shroud
0.1% No preference

Bolt locking lug type.

57.5% Dual-opposed
35.3% Multiple
7.2% No preference

Locking lug location.

86.6% At front of bolt
0.3% At rear of bolt
13.1% No preference

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Design-2

Bolt handle style.

25.6% Remington Model 700
23.2% Winchester Model 70
19.1% Ruger Model 77
11.6% Browning A-Bolt
8.4% Sako
3.6% Weatherby Mark V
4.4% Others
4.1% No preference

Extractor type.

55.5% Pre-'64 Model 70/Model 70 Super Grade/Model '98 Mauser.
16.4% Remington Model 700
8.2% Ruger Model 77
7.6% Sako
7.0% Post-'64 Model 70
0.2% Others
5.1% No preference

Ejector type.

31.3% Remington Model 700/ Post-'64 Winchester Model 70
28.6% Model 70 Super Grade/Pre-'64 Model 70
25.6% Model 1898 Mauser
8.3% Ruger Model 77
7.1% No preference

Bolt release type.

40.6% Model 1898 Mauser
26.5% Remington Model 700
20.6% Winchester Model 70
3.5% Savage Model 110
8.8% No preference

Bolt shroud (cocking piece) style.

41.8% Closed at rear
32.7% Open at rear
25.5% No preference

Bolt body style.

52.1% Nonfluted
27.5% Fluted
20.4% No preference

CONTINUED, NEXT PAGE

Layne Simpson Design-2

Bolt body finish.

44.3% Polished and jeweled (engine-turned)
28.1% Blue/black
22.2% Polished
5.4% No preference

Bolt handle knob style.

66.6% Checkered surface
27.5% Smooth surface
5.9% No preference

Magazine

57.1% Mauser-type enclosed box — ?
42.7% Detachable
0.2% Rotary

Magazine floorplate style.

83.7% Hinged
11.5% Blind
4.8% No preference

Non Retachable ?

Magazine floorplate release :

65.6% At front of trigger g
23.8% Inside trigger guard
10.6% No preference

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Design-2

Barrel length.

Short Cartridges (7mm-08, .308, etc.)
37.4% 18.50 inches
42.3% 20.00 inches
14.1% 22.00 inches
6.2% 24.0 inches
Long Cartridges (.270, .30-06, etc.)
16.1% 20.00 inches
59.3% 22.00 inches
23.1% 24.00 inches
1.5% 26.00 inches
Belted Magnums (.240 to .300 calibers)
8.8% 22.00 inches
56.3% 24.00 inches
34.9% 26.00 inches
Belted Magnums (8mm to .358 calibers)
77.3% 24.00 inches
22.7% 26.00 inches
Belted Magnums (.416 to .458 calibers)
2.4% 20.00 inches
28.1% 22.00 inches
63.2% 24.00 inches
6.3% 26.00 inches

Open sights on barrel.

56.3% No
38.9% Yes
4.8% No preference

Stock material.

42.2% Synthetic
41.6% Walnut
16.2% Laminated wood

Stock style.

76.4% Classic
23.6% Monte Carlo

Recoil pad type.

61.7% Solid
28.6% Ventilated
9.7% No preference

CONTINUED, NEXT PAGE

Layne Simpson

Design-2

Recoil pad color.

51.2% Black
27.8% Brown
0.6% Red
20.4% No preference

Cheekpiece.

61.2% Yes
38.8% No

Forearm tip of contrasting color.

62.9% No
37.1% Yes

Grip cap of contrasting color.

50.8% No
49.2% Yes

Whiteline spacers.

85.4% No
14.6% Yes

Detachable carrying sling swivels.

100% Yes

Wood stock finish.

83.3% Low-luster satin
11.1% High-gloss
5.6% No Preference

Synthetic stock finish.

36.4% Smooth texture with molded-in checkering
31.5% Rough texture
23.1% Rough texture with molded-in checkering
6.9% Smooth texture
2.1% No preference

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Layne Simpson Design-2

Synthetic stock color.

39.5% Black
29.3% Figured walnut
20.1% Camoflauge
8.6% Gray
1.3% Green
0.8% Brown
0.4% Others

Buttstock options.

89.7% Rubber recoil pad
6.1% Steel buttplate
1.1% Synthetic buttplate
3.1% No preference

Stock/action bolt type

62.1% Hex (Allen) head
26.4% Slotted head
11.5% No preference

Most important advantage of a synthetic stock over a wood stock.

64.1% More stable
19.5% Lighter
16.4% Stronger and more durable

Dislikes about synthetic stocks.

46.4% Ugly
24.2% Noisy
11.6% Cold feel
9.3% Paint coating easy to scratch or chip
6.4 Slippery when wet
2.1 High cost

Factory wood stock considered best looking and feeling.

16.9% Ruger Model 77
13.8% Remington Model 700 Classic
13.1% Remington Model 700 Mountain Rifle
12.3% Winchester Model 70 Featherweight
11.5% Remington Model 700 BDL
5.5% Sako
4.5% Ruger Model 77 RSI
4.3% Winchester Model 70 Sporter
4.2% Weatherby Mark V
4.1% Browning A-Bolt
2.6% Remington Model Seven
7.2% Others

CONTINUED, NEXT PAGE

Layne Simpson Design-2

Factory rifle considered most accurate.

54.4% Remington Model 700
12.6% Sako
10.1% Winchester Model 70
8.9% Ruger Model 77
5.5% Browning A-Bolt
3.7% Savage Model 110
4.8% Others

Factory rifle considered most dependable.

29.6% Remington Model 700
27.6% Ruger Model 77
20.1% Winchester Model 70
9.1% Interarms Mark X
4.2% Sako
3.3% Weatherby Mark V
3.8% Browning A-Bolt
2.3% Others

Factory rifle considered most handsome.

16.7% Ruger Model 77
16.6% Weatherby Mark V
12.4% Winchester Model 70 Featherweight
9.4% Remington Model 700 Mountain Rifle
9.0% Sako
7.8% Remington Model 700 Classic
7.2% Browning A-Bolt
5.2% Remington Model 700 BDL
3.9% Winchester Model 70 Super Grade
3.5% Winchester Model 70 Sporter
8.3% Others

Factory rifle with the best trigger.

56.6% Remington Model 700
16.9% Winchester Model 70
10.3% Sako
3.5% Weatherby Mark V
2.6% Savage Model 110
1.7% Browning A-Bolt
8.4% Others

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Layne Simpson Design-2

Factory rifle considered best handling.

20.2% Ruger Model 77
19.3% Winchester Model 70 Featherweight
12.2% Remington Model 700 Mountain Rifle
11.0% Remington Model 700 BDL
8.0% Browning A-Bolt
7.2% Remington Model Seven
6.3% Sako
3.4% Winchester Model 70 Sporter
2.9% Remington Model 700 Classic
1.8% Ultra Light Model 20
1.7% Ruger Model 77 RSI
1.5% Weatherby Mark V
4.5% Others

New rifle should be offered with optional lefthand action.

73.9% Yes
26.1% No preference

You are:

87.2% Righthanded
12.4% Lefthanded
0.4% Ambidextrous

New rifle should be offered in an optional short action version.
88.0% Yes
11.4% No
0.6% No preference

Short action rifle should be offered in:

25.5% .308 Winchester
18.9% 7mm-08 Remington
13.3% .243 Winchester
6.7% .284 Winchester
6.6% 6.5-08 Improved (wildcat)
5.8% .358 Winchester
5.5% .250 Savage
3.5% 6mm Remington ~~Magnum~~
3.3% 6mm-284 (wildcat)
3.2% .257 Roberts
2.9% .350 Remington Magnum
1.4% 6.5 Remington Magnum
1.4% 7.62x39mm Russian
1.2% .300 Savage
0.8% Others

CONTINUED, NEXT PAGE

Layne Simpson Design-2

New rifle should be offered in optional carbine version.

57.3% Yes
23.7% No
19.0% No preference

Barrel length of carbine should be:

72.2% 20 inches
27.8% 18-1/2 inches

Stock style of carbine should be:

51.3% Conventional
42.5% Mannlicher (fullstock)
6.2% No preference

Most factory rifles presently available are:

56.5% Just right
38.2% Too heavy
5.3% Too light

Mechanical problems experienced with factory bolt-action rifles.

68.1% No problems
14.3% Cartridges wouldn't feed from magazine
6.6% Extractor broke or malfunctioned
5.4% Point of impact shifted (loss of zero)
3.3% Floorplate latch poped loose from recoil
1.1% Action froze during extremely cold, wet weather
1.1% Ejector malfunctioned

What manufacturers could do to improve the bolt-action rifle.

24.4% Better bedding of barreled action in stock
23.4% Better overall fit and finish
13.6% Lighter and smoother trigger pull
13.5% Smoother bolt travel in receiver
12.2% Nothing needs improving
6.1% Better bore quality of barrels
2.2% Reduce bolt wobble in receiver
2.3% Offer an optional aperture-type receiver sight
1.4% Quieter safety operation
0.9% Closer alignment of scope mount base screws on receiver with center of barrel

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Layne Simpson Design-2

Characteristics of the bolt-action rifle that cause you to choose it over other types of big-game rifles.

22.3% More Accurate
14.5% More reliable
14.1% Stronger
10.2% More handsome
7.6% More calibers available
6.7% Fits, feels, and handles better
5.5% Easier to clean
4.7% Simple design
4.5% More durable
3.3% Trigger easier to adjust or have adjusted
2.1% Usually weighs less
1.2% Better trigger
1.2% Better for handloads
1.1% More positive chambering and extraction
1.0% Easier to unload

Acceptable factory big-game rifle accuracy for a series of three-shot groups at 100 yards.

42.3% 1.25-1.50 inches
33.3% 0.50-1.00 inch
14.4% 1.50-2.00 inches
6.7% 1.00-1.25 inches
3.3% Over two inches

Considering its cost, the typical factory bolt-action rifle is:

58% Plenty accurate
42% Not accurate enough

Percentage of bolt-action rifles compared with other types of rifles owned.

37.5% Bolt actions
24.1% Lever actions
16.3% Autoloaders
15.3% Single shots
6.8% Slide actions

Bolt-action rifles made today are:
79.9% More accurate than rifles made 20 years ago
17.5% As accurate as rifles made 20 years ago
2.6% Less accurate than rifles made 20 years ago

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Layne Simpson Design-2

Percentage of big-game hunting days that are during wet, rainy, or snowy weather.

57.8% 20 to 50 percent
26.3% 10 to 20 percent
14.5% 1 to 10 percent
1.4% Over 50 percent

END

Layne Simpson Design-3

Hunter Statistics

Amount of time spent hunting big-game each year.

57.8% 20 to 30 days
26.3% 10 to 20 days
14.5% 1 to 10 days
1.4% Over 30 days

Hunt most often.

64.9% In home state and other states
31.2% In home state only
3.9% In home state and other countries

Type of terrain hunted most often.

45.2% Wooded
25.2% Mountainous
20.1% Combination of wooded and open
9.5% Open

Big-game animals hunted most often.

53.8% Deer
20.1% Elk
12.3% Black bear
5.4% Pronghorn antelope
3.8% Wild hogs
1.8% Moose
0.2% Caribou
2.6% Others

Estimated average range at which big-game animals are usually taken.

48.4% Inside 100 yards
23.2% 100 to 150 yards
15.8% 150 to 200 yards
12.6% Over 200 yards

Estimated maximum range at which big-game animals are usually taken.

36.1% 200 to 300 yards
28.0% 300 to 400 yards
20.0% 100 to 200 yards
11.3% Inside 100 yards
4.6% Over 400 yards

Handload big-game ammunition.

93.1% Yes
6.9% No

Layne Simpson

Design-3

Shooting Times Readers'
25 Most-Wanted Cartridges

Ranking	Cartridge	Percentage Of Requests*
1.	7mm Shooting Times Westerner	18.4
2.	.338-06	13.1
3.	6.5-06	5.9
4.	.284 Winchester	5.7
5.	.358 Shooting Times Alaskan	5.6
6.	.257 Roberts Improved	4.9
7.	.280 Remington Improved	4.1
8.	.358 Winchester	4.0
9.	6.5x55mm Swedish	3.8
10.	.30-338	3.4
11.	6.5-08	3.2
12.	.250-3000 Savage	2.9
13.	.350 Remington Magnum	2.7
14.	6.5mm-284	2.5
15.	6mm-284	2.4
16.	.257 Roberts	2.2
17.	.25-284	2.1
18.	.375-338	2.0
19.	.30-06 Improved	1.9
20.	.35 Whelen	1.8
21.	.30-284	1.8
22.	.30-378 Weatherby Magnum	1.7
23.	.416 Taylor	1.6
24.	6.5 Remington Magnum	1.2
25.	.338-378 Weatherby Magnum	1.1

*Represents the percentage of the total number of requests for these cartridges.