

16
WINCHESTER
W. E. Moore

Catalogue No. 79

1914

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TRADE MARKS
REG. U. S. PAT. OFF.
AND THROUGHOUT THE WORLD.

WINCHESTER REPEATING ARMS CO.

NEW HAVEN, CONN., U.S.A.

NEW GOODS.

Particular attention is called to the following additions to, and changes in, the line of Winchester guns and ammunition.

GUNS.

Model 1912, 12, 16 And 20 Gauge Hammerless Repeating Shotguns.

See pages 138-147.

Single Shot Shotgun, 20 Gauge.

See pages 148 and 149.

Flexible Cleaner, .22 Caliber.

See page 31.

Single Shot Musket Now Made Also In .22 Short Caliber.

See page 60.

AMMUNITION.

.22 Short Spotlight Cartridge.

See page 193.

.22 Automatic Spotlight Cartridge.

See page 193.

.280 Ross Pointed, 150 Grains, Cartridge.

See page 195.

.35 S. & W. Automatic Cartridge.

See page 194.

7 M/M Pointed Full Patch Cartridge.

See page 195.

7.65 M/M Pointed Full Patch Cartridge.

See page 195.

.30 Army Pointed Soft Point Cartridge.

See page 195.

.30 Govt. M. '06 Pointed Soft Point Cartridge.

See page 195.

.44 X. L. Shot Cartridge.

See page 191.

.28 Gauge "Rival" Brass Shell.

See page 196.

Shot In All Sizes.

See page 223.

Air Rifle Shot In Tubes.

See page 223.

Lead Balls For Single Ball Loads.

See page 223.

CARTRIDGES LOADED WITH "LESMOK" POWDER.

Rim Fire and Center Fire pistol size black powder cartridges can be furnished loaded with "Lesmok" powder. Cartridges so loaded carry the same list prices and discounts as similar ones loaded with black powder.

ESTIMATES FURNISHED ON CARTRIDGES NOT LISTED.

Estimates will be made for furnishing in quantities cartridges not listed in this catalogue.

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1914 Catalogue And Price List Of

WINCHESTER

REPEATING RIFLES,

Carbines And Muskets,

REPEATING SHOTGUNS,

Single Shot Rifles And Shotguns

METALLIC CARTRIDGES,

Paper and Brass Shot Shells,

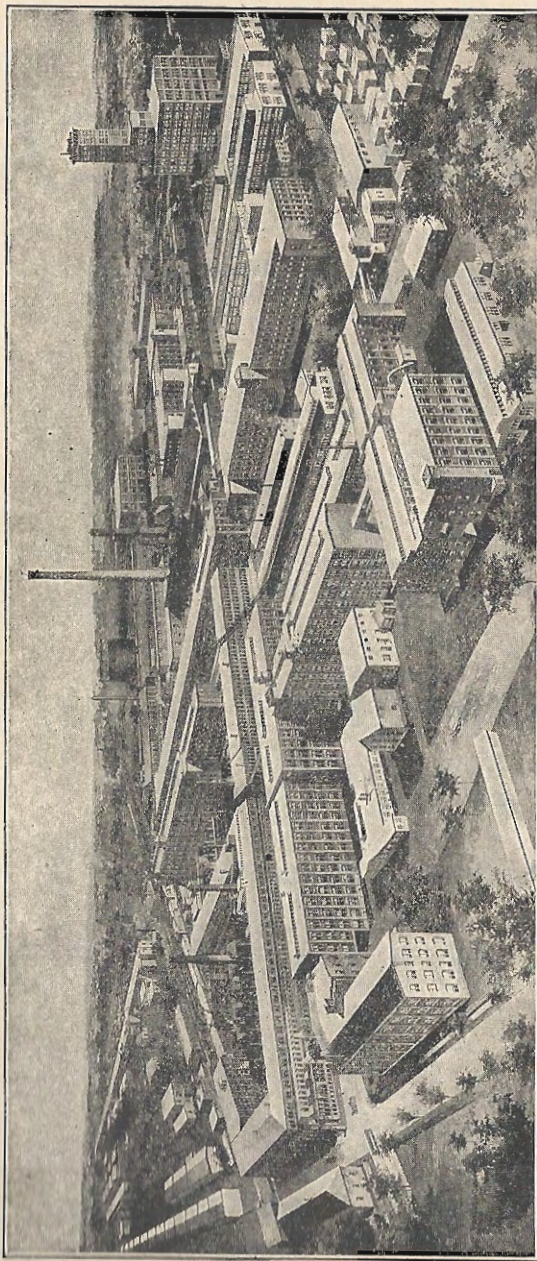
Gun Wads, Primers, Percussion Caps,

LOADED SHOT SHELLS, ETC.

Manufactured By The

WINCHESTER REPEATING ARMS CO.

New Haven, Conn., U. S. A.



Plant Of The Winchester Repeating Arms Co., Devoted Solely To Making Winchester Guns And Ammunition.

Area of Main Plant 59½ acres; Proving Grounds and Magazines 508½ acres. Total area 568 acres. Floor space 1,595,117 square feet. Boiler Horse Power 4,118. Engine Horse Power, Steam, 2,400. Engine Horse Power, Gas, 3,000. Annual consumption of coal 40,000 tons. Annual consumption of fuel oil 450,000 gallons. Annual consumption of Producer gas 1,549,771,000 cubic feet. Annual consumption of Water gas 790,000,000 cubic feet. Annual consumption of steel 5,000 tons. Annual consumption of copper 2,600 tons. Annual consumption of lead 12,000 tons. Annual consumption of zinc 1,000 tons. Iron castings used annually in machine construction 400 tons. Lumber used annually for cases 5,000,000 feet. Number of employees 6,000. Number of models of guns made 19. Number of styles of guns made 450. Number of styles of cartridges made 271. Number of varieties of cartridges made 639. Annual cost of gun inspection over \$100,000.00. Annual cost of cartridge inspection over \$50,000.00. Number of rounds of ammunition fired annually in testing guns and ammunition over 12,500,000.

How Winchester Goods are Sold.

The Winchester Selling Plan, which is familiar to all leading dealers in this class of goods, insures your being able to purchase any article you may select at a fair and uniform discount from the List Prices shown in this catalogue.

While we do not quote prices or sell direct to individual trade, we desire that all our friends be promptly looked after, no matter how small their requirements may be.

If you cannot procure Winchester goods at home, write us, stating fully and in accordance with catalogue description just what you desire, and we will ask the nearest dealer handling our line to quote you prices.

As the trade in general do not carry a complete assortment of Repair Parts, we will save users of Winchester Arms unnecessary annoyance and delay by furnishing at List Prices any part shown in this catalogue, provided the order is accompanied by post office or express money order or stamps to cover the amount.

When ordering write plainly and give post office address with name of town, county, and state. When possible, also give street address.

Reloading tools, sights, parts of arms, etc., not exceeding twenty (20) pounds in weight, nor making a package having a combined length and girth of over 72 inches, may be sent by mail to all parts of the United States at the rates and according to the regulations of the United States Parcel Post Law.

Caps, primers, cartridges, primed shells, etc., cannot be sent by mail under the United States Postal regulations.

All guns, gun parts, samples, etc., sent us should be plainly marked with the name and address of the party sending same, and all express or freight charges should be prepaid.

Winchester Arms And Ammunition.

THE repeating and single shot rifles, repeating shotguns, and ammunition of all kinds manufactured by the Winchester Repeating Arms Co.,—the largest manufacturers of arms and ammunition in the world,—are justly celebrated for their superiority and reliability. Over five million Winchester guns have been sold during the forty-eight years they have been upon the market, and to-day they are in general use all over the world.

Having established such a reputation and demand for our guns and ammunition, we strive to maintain them by exercising great care in the selection of the materials used and by employing modern methods and machinery in manufacturing our product. We employ the leading experts in gun and ammunition making, and expend annually a large amount of money in experimental work and in perfecting new and desirable types of guns and ammunition. By means of this experimental work and by an exacting system of tests and inspections embracing every stage of manufacture, from the materials in their rough state to the finished product, we are enabled to keep our product thoroughly modern in every way and up to a high degree of perfection. Notwithstanding their superiority and the care taken in manufacturing Winchester guns and ammunition, they cost the consumer no more than inferior makes. Quality considered, Winchester goods are the cheapest upon the market.

That a Winchester gun is of a later model does not imply that it is better, or that it has superseded earlier models. On the contrary, the model numeral simply designates the year the gun was put upon the market. The different models of Winchester guns represent different types, or calibers, and are designed to meet the requirements of various kinds of shooting and a wide diversity of tastes.

We have the most complete facilities in the world for manufacturing guns and ammunition in a systematic and scientific manner. Our main plant covers over 59½ acres of ground, about 36½ acres of it being floor space devoted to machinery, tools, etc. Besides this big area, our proving and powder storage grounds, on the outskirts of the city, embrace 508½ acres of land.

But One Quality Of Winchester Guns.

There is but one grade of Winchester guns, and that is the best. There is absolutely no difference in the quality of the materials used in the highest and lowest priced Winchester guns. Neither is there any distinction made in the tests to which different priced guns are subjected for strength, accuracy, and manipulation. The difference in the prices of the various styles of the different models of Winchester guns is due to the difference in exterior finish, ornamentation, or special features, which necessitate a greater amount of hand work than the standard styles.

High Quality Of Material Used In Winchester Guns.

All of the material of different kinds, both metal and wood, is selected. By means of a Rehlé testing machine and other devices of our own design and an extended line of experimental tests, both practical and scientific, we are enabled to select the material best adapted for its intended use. Drop forgings are exclusively used where strength and toughness are required. Where rolled steel is used, and in the magazine fittings, springs, screws, ornamental, and other minor parts, the same system of rigorous supervision, inspection, and care is employed to get the kind and quality best adapted to its purpose. The barrels of the .30 Army, .30 Gov't Models '03 and '06, .303 British, .35 and .405 Winchester calibers Model 1895; .32 Winchester Special, .30 and .25-35 Winchester calibers Model 1894; .33 Winchester caliber Model 1886; .45-70 caliber Extra Light Weight Model 1886; .351 Winchester Self-Loading caliber Model 1907; .401 Winchester Self-Loading caliber Model 1910, and the high power caliber single shot rifles, are made of Nickel steel which has a tensile strength of over 110,000 pounds to the square inch, and an elastic limit of over 90,000 pounds. The barrels and working parts of the Models 1911 and 1912 shotguns are also made of Nickel steel. The barrels of Winchester guns of other calibers are made of a high grade of steel, having a tensile strength of over 60,000 pounds to the square inch, and an elastic limit of over 40,000 pounds, which is sufficiently strong to withstand much greater pressures than could possibly be developed by the cartridges they are intended to shoot. The regular stocks and forearms of Winchester guns are made of selected wood. Fancy stocks and forearms are made of the choicest figured American walnut, which has a beautiful, curly grain.

Interchangeable Parts.

An invaluable feature, found in Winchester guns, is that of interchangeable parts. Parts of Winchester guns are made to gauge, and are interchangeable. For illustration: Any Model 1873 finger lever will fit any Model 1873 receiver, or any Model 1897 shotgun action slide will fit any Model 1897 shotgun slide handle. To make parts that will interchange in this manner, like parts must be exactly alike to the minutest detail. To determine whether or not they are exactly alike in size and shape, or if the cuts and holes in them are made so as to coincide with the component parts, each part has to be gauged from one to forty different times.

This system of interchangeable parts materially increases the cost of producing Winchester guns, nevertheless they are sold cheaper than guns made in a less costly and less careful manner. All purchasers of Winchester guns are benefited by this system of manufacture, as it enables them to replace a part broken or worn out by rough usage, at a trifling cost and without employing the aid of a gunsmith. Almost all parts of Winchester guns can be sent by mail, therefore a broken part can be replaced quickly and easily in any part of the world.

How Winchester Barrels Are Tested.

Gun makers agree that the most difficult part of a gun to make is the barrel. To do so successfully, requires a thorough knowledge of the subject, skilled ex-

perts, delicate and exact machinery, and a comprehensive system of tests. The system by which Winchester barrels are made has made them famous all over the world for their accuracy and strength. When a Winchester barrel has been "rough" bored, as the first boring is called, it is proved for strength,—soft steel barrels for black and low pressure smokeless powders by the English Government proof system, and nickel steel barrels for smokeless powder with a system of smokeless powder proof. All barrels are proved with either of the above systems, except those of the .22 caliber. The proof is made as follows: A soft steel barrel is locked to a firing table, loaded with a charge of powder and lead twice as great as is intended to be put into the shell the barrel is to be chambered for, and fired. The nickel steel barrels are similarly tested, being subjected to a pressure 30 per cent. in excess of pressure developed by the cartridge the barrel is intended to be chambered for. After proof firing a barrel is carefully inspected and if it shows the slightest sign of strain, or imperfection, it is condemned. A barrel that passes the proof is next straightened and then given the second or "finish" boring. It is then straightened again, after which it is subjected to what is known as the "Winchester" or "Lead" test, which never fails to disclose any irregularity in the interior of a barrel. This test is repeated after the barrel is rifled, for the purpose of detecting any possible disturbance of the bore during the latter process. Such a test as this is so exacting that no other gun makers attempt it. It is not necessary to submit shotgun barrels to the "Lead" test. They are tested by gauges which show a variation of a thousandth part of an inch.

The Winchester System Of Rifling.

One of the most difficult things to determine in making rifle barrels is the twist or rifling required to shoot a given cartridge to the best advantage. Cartridges of different or like calibers containing different weights of powder or lead require a different twist. A proper twist is one which will spin a bullet fast enough to keep it point on to the limit of its range, thus insuring the best possible accuracy. If the twist is too slow the flight of the bullet will be untrue and it will "tumble" or "keyhole," as it is called when a bullet passes through the air in a lengthwise position instead of point on. On the contrary if the twist is too quick or sharp the bullet is spun so rapidly that it is unsteady in its flight and wobbles like a top when it first begins to spin. The only sure way of ascertaining a perfect twist is by calculation and exhaustive practical tests. The Winchester Repeating Arms Co. have complete facilities for verifying all calculations for twist, which enable them to determine with positive certainty the twist that will give the best results with a given cartridge.

Manipulation And Accuracy.

When Winchester guns are assembled, that is, put together ready for use, they are tested carefully for manipulation and accuracy. The test for manipulation consists of working the gun thoroughly with "dummy" cartridges and

firing it as a single loader or repeater, slowly and quickly, to detect any possible defect in the action. If a gun is faulty in extracting, in handling the cartridges, or does not work smoothly, easily, and rapidly, it cannot pass this test. Rifles are shot from three to ten shots, and shotguns from eight to fifteen shots, to test their action.

Targeting Guns For Accuracy.

If there is any one feature in which Winchester guns excel all others, more than in another, it is in their remarkable accuracy. This is due to the excellence of Winchester barrels and to the care taken in targeting them. At the plant of the Winchester Repeating Arms Co. there are ranges from 50 feet up to 200 yards. At these ranges every rifle is shot to test its accuracy, the distance varying according to the caliber. A corps of experts devote their entire time to this work, and before a rifle is passed by them it must be capable of shooting seven consecutive bull's-eyes on a standard sized target for the distance shot. All rifles are shot to line up the sights, an expert changing them until they are properly aligned and given the correct elevation. Shotguns are targeted at 40 yards. 10 gauge full choke bore barrels are required to shoot at least 151 pellets of shot inside a 30 inch circle, the testing load being 3½ drams of smokeless powder and 1¼ ounces 5 chilled shot. 12 gauge full choke bore barrels are required to shoot at least 290 pellets of shot inside a 30 inch circle, the testing load being 3 drams smokeless powder, 1¼ ounces 7½ chilled shot. 16 gauge full choke bore barrels are required to shoot 240 pellets in a 30 inch circle, the testing load being 2½ drams of smokeless powder and 1 ounce 7½ chilled shot. 20 gauge full choke bore barrels are required to shoot 196 pellets in a 30 inch circle, the testing load being 2 drams of smokeless powder and ⅔ ounce 7½ chilled shot.

Fancy Guns.

The Winchester Repeating Arms Co. have unsurpassed facilities for producing fancy finished guns of all prices and descriptions. Inlaying in gold, silver, or platinum, gold or silver plating, engraving, carving, or fancy checking, are done in the most artistic manner by the company's own employes. Stocks of fancy woods can be supplied, if desired, at special prices.

Caution To Purchasers Of Winchester Guns.

The enviable and long established reputation of Winchester guns has led certain parties to offer for sale other makes of guns as the "Improved Win-

Caution

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chester." We therefore caution purchasers that all guns made by us are stamped upon the barrel or upon the lower tang "Winchester's Repeating Arms, New Haven, Conn.," or "Manufactured by The Winchester Repeating Arms Co.," and with our factory numbers. Attached to every gun made by us is a tag bearing our name and giving information or instructions about the use of the gun. Purchasers should be sure such a tag is on the gun they buy.

The Winchester Repeating Arms Co. was organized in 1866, the company having purchased the Volcanic Repeating Arms Co., New Haven Arms Co., and the Henry Repeating Arms Co. In 1869 the Winchester Repeating Arms Co. acquired the American Repeating Rifle Co., this purchase including the Spencer Rifle Co. and the Fogerty Rifle Co. of Boston. The Adirondack Arms Co. of Plattsburg, N. Y., was purchased by the Winchester Repeating Arms Co. in 1874. All patents, rights, good-will, etc., of these different companies having been acquired by and merged into the Winchester Repeating Arms Co., there are no authorized agents of any of the companies purchased by the Winchester Repeating Arms Co.

Guarantee.

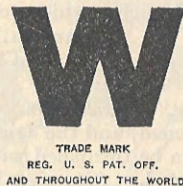
The Winchester Repeating Arms Company guarantee their product to be of selected material, and that it has been subjected to careful and thorough inspection and approved tests. Our long, large, and varied experience and complete equipment give us exceptional facilities for such selection and inspection. The material purchased by us is bought of dealers having the best reputation in their respective lines of trade. Of the different materials used by us, our aim and constant endeavor are to get the best. Our manufactured product is of first-class stock, made with modern machinery, by the most approved methods and by skilled workmen, all under experienced and scientific supervision. Our manufacturing plant is unsurpassed in capacity and equipment. The latest, best, and most approved methods are adopted and followed.

We will replace barrels burst owing to seamy stock or through any fault of ours, but a long and varied experience has taught us that Winchester barrels will not burst after having passed our thorough tests and inspections, unless, at the time of firing, they contain an obstruction of some kind, or from the improper use of smokeless powder. In cases where barrels burst by being fired with obstructions in them, there will always be found at the bursting point an annular depression or ring on the inside of the barrel. The swelling may show a crack on one side, or the barrel may be torn off either above or below the swelled point. In cases where barrels burst from the improper loading of smokeless powder the cause is just as definable. The charge explodes and the material in the immediate vicinity of the charge or the barrel or receiver or both open or give way. For bursts due to either of these causes we do not hold ourselves responsible.

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The Distinguishing Winchester Trade-Mark.

To avoid, by any possibility, Winchester goods being confused with other makes, and thus protect the consumer as well as ourselves, we have adopted a bold



as a safe-guarding trade-mark. Every box, carton, and package now put out by us bears this trade-mark "W," generally printed in red.

Prices In This Catalogue.

All the prices given in this catalogue are "list" prices, but any reliable dealer will supply Winchester guns or ammunition at regular retail prices, which are considerably less than "list" prices.

WINCHESTER REPEATING ARMS COMPANY,
NEW HAVEN, CONN., U.S.A.



**MODEL
1873**

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Winchester Repeating Rifle,

Made For .44, .38, And .32 Winchester Center Fire Cartridges.

The Winchester Repeating Rifle Model 1873 is, in several ways, the most remarkable arm ever produced. It was the first repeating rifle ever made to use center fire cartridges, and for years the only one on the market. No gun has met with the success or attained such a widespread reputation as it has. Until a few years ago, practically all the big game killed in this and other countries succumbed to its accurate and deadly fire, and to-day it can be found in every country on the globe.

The Model 1873 is a strong, accurate arm. The firing pin is automatically withdrawn when the gun is opened, and the trigger locked until the action is closed. Guns of this model can be furnished with set triggers, in which case the trigger lock safety catch is omitted. (See page 98.) It is made for .44, .38, and .32 center fire cartridges.*



This cartridge always has been and always will be popular for sporting purposes. It contains 40 grains of black powder and 200 grains of lead. Up to 300 yards it is very accurate.

Price per 1,000, \$19.00. Case contains 2,000.



The .38 caliber cartridge is lighter than the .44. It contains 38 grains of black powder and 180 grains of lead. This cartridge is heavy enough to kill small game, and is accurate up to 300 yards.

Price per 1,000, \$19.00. Case contains 2,000.



This cartridge is designed for shooting small game, such as squirrels, geese, etc., at short range. It contains 20 grains of black powder and 115 grains of lead. It is a very accurate

cartridge at short range. Price per 1,000, \$16.00. Case contains 2,000.

Model 1873 Rifles will be furnished with rifle or shotgun butt stocks, and the latter with either metal or rubber butt plates, without extra charge. Unless otherwise ordered rifle butt stocks will be sent. Rifle butt stocks in all calibers but the .32 carry a cleaning rod in them. The standard lengths of barrels of different styles of this model are: Sporting Rifle, 24 inches; Musket, 30 inches; Carbine, 20 inches. Barrels longer than the standard cannot be furnished.

PRICE LIST OF .32, .38, OR .44 CALIBER MODEL 1873 RIFLES,

Full Or Half Magazine.

Carbine, Round Barrel, 20 Inches Long, Weight about 7½ pounds.....	\$17.50
Musket, Round Barrel, 30 Inches Long, Weight about 9½ pounds.....	19.00
Round Barrel, 24 Inches Long, Weight about 8½ pounds.....	18.00
Octagon Barrel, 24 Inches Long, Weight about 9 pounds.....	19.50
Half Octagon Barrel, 24 Inches Long, Weight about 8¾ pounds.....	20.00

For Extras on Rifles, see page 96.

* Having discontinued making Model 1873 Rifles chambered for .22 caliber cartridges, and our stock being exhausted, we cannot fill any further orders for them. Component parts for the model and caliber will be furnished as long as our stock lasts.

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**MODEL
1873**

Winchester Repeating Rifle System.

The system and operation of Winchester Repeating Rifles, Model 1873, .44, .38, and .32 calibers, can be readily understood from the sectional cuts of that model shown on this page.

Action Closed.

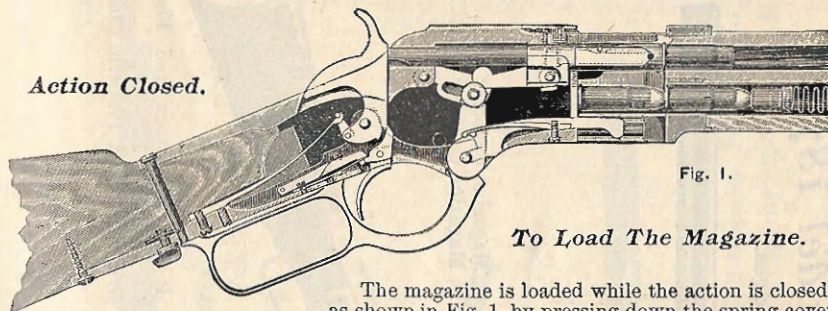


Fig. 1.

To Load The Magazine.

The magazine is loaded while the action is closed, as shown in Fig. 1, by pressing down the spring cover on the right hand side of the receiver with the point of the cartridge, and inserting the cartridge through the opening thus made. The opening is closed by the spring cover as soon as the cartridge is inserted. This operation is repeated until the magazine is filled.

Action Open.

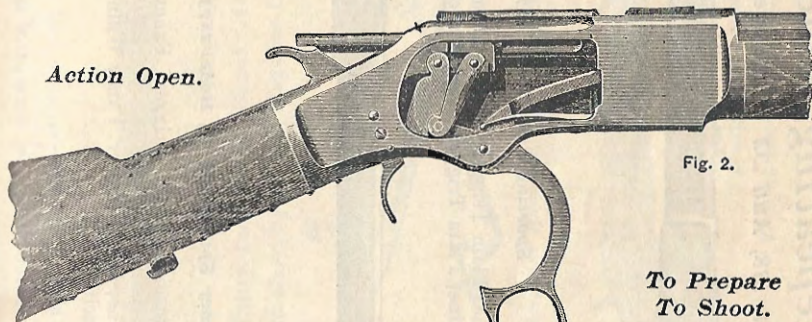


Fig. 2.

To Prepare To Shoot.

When it is desired to load, the finger lever is thrown forward to the position shown in Fig. 2, and then returned to 1. This motion throws out the shell or cartridge a cartridge from the magazine to the chamber, leaves the gun ready to fire when the trigger is pulled. The operation of loading is easily executed while the gun is at the hip, or at the shoulder, without taking the eye off the sights, thus enabling the shooter to fire as many shots as there are cartridges in the magazine without removing the gun from the shoulder, or losing sight of the object shot at.

B is thrown forward to the position shown in Fig. 2, in the chamber, transfers cocks the hammer, and pulled. The operation of hip, or at the shoulder,

To Take Out The Barrel.

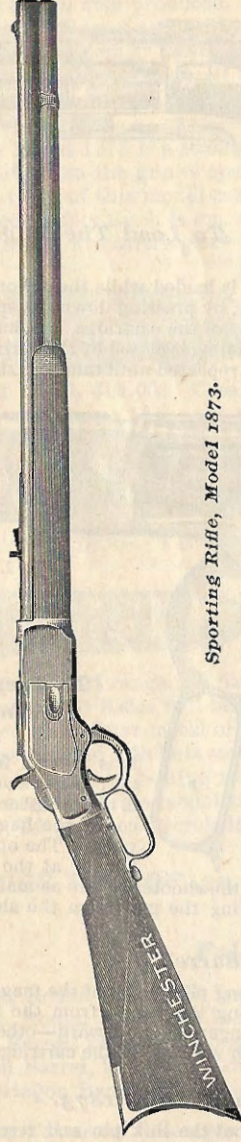
Take out the two tipscrews and the magazine ring pin; pull out the magazine tube and take off the forearm; then, before unscrewing the barrel from the frame, the breech pin must be thrown back by moving the finger lever forward—otherwise, the attempt to unscrew it will break the extractor which withdraws the cartridge and ruin the breech pin.

To Remove The Breech Pin. Model 1873.

After removing the side plates and links, take out the link pin and retractor; the firing-pin can then be pulled out with the fingers, first removing the hammer, or setting it at full cock.

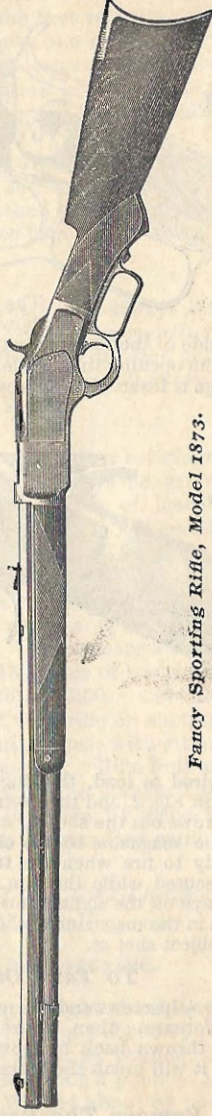
Winchester Repeating Rifle, Model 1873.

Made For .44, .38, And .32 Winchester Cartridges.



Sporting Rifle, Model 1873.

Twenty-four Inch Round Barrel, Full Magazine, Plain Trigger, Weight about 8½ pounds, Magazine Capacity 13, \$18.00
 Twenty-four Inch Octagon Barrel, Full Magazine, Plain Trigger, Weight about 9 pounds, Magazine Capacity 13, 19.50



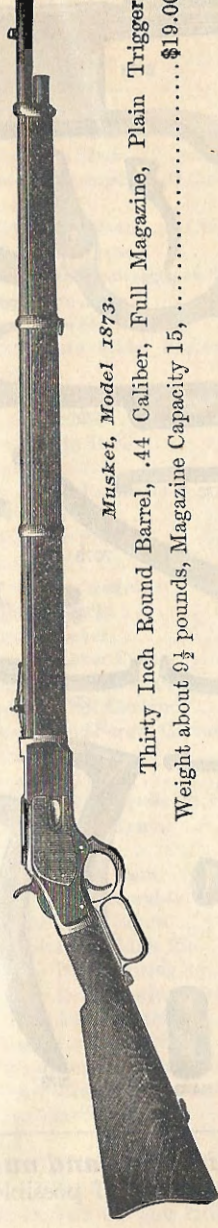
Fancy Sporting Rifle, Model 1873.

Twenty-four Inch Octagon Barrel, Full Magazine, Plain Trigger, Fancy Walnut Pistol Grip Stock and Forearm Checked, Weight about 9½ pounds, Magazine Capacity 13, \$37.50
 Twenty-four Inch Round Barrel, Full Magazine, Plain Trigger, Fancy Walnut Pistol Grip Stock and Forearm Checked, Weight about 9 pounds, Magazine Capacity 13, 36.00

The above Rifles can be furnished with Half Magazines at same List Price.

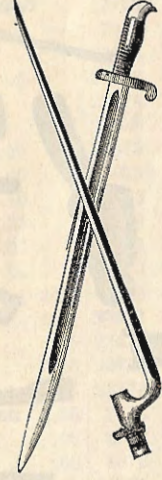
Shotgun Butt Stock, with either metal or rubber butt plate, same price as Rifle Butt Stock. For Extras, see page 96.

Winchester Repeating Rifle, Model 1873.

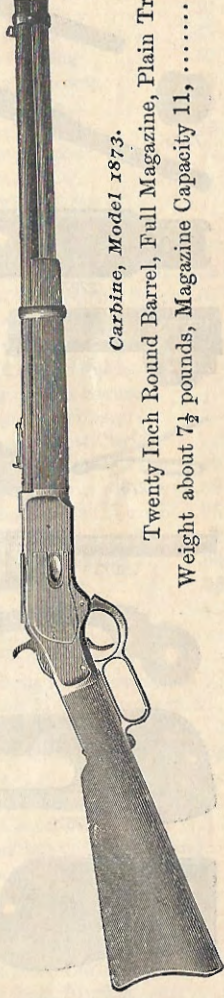


Musket, Model 1873.

Thirty Inch Round Barrel, .44 Caliber, Full Magazine, Plain Trigger, Weight about 9½ pounds, Magazine Capacity 15, \$19.00



Angular Bayonet, \$2.50. Saber Bayonet, \$3.50.



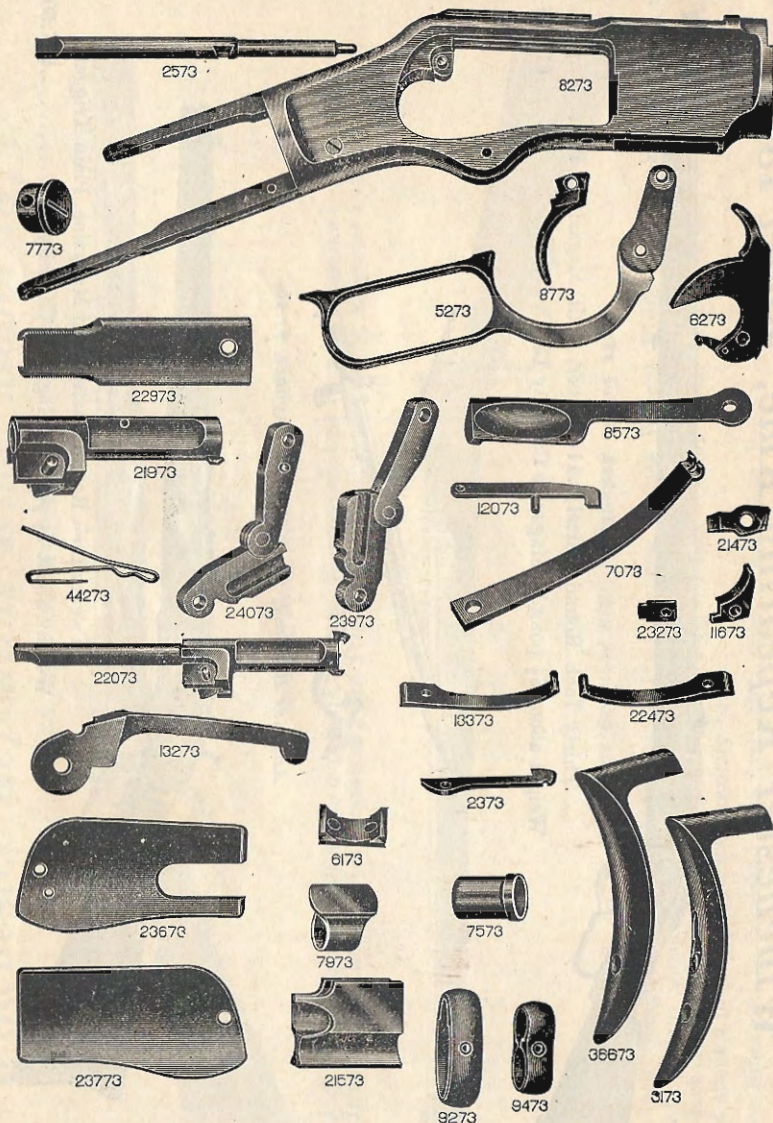
Carbine, Model 1873.

Twenty Inch Round Barrel, Full Magazine, Plain Trigger, Weight about 7½ pounds, Magazine Capacity 11, \$17.50

Carbines with Half Magazines can be furnished at same list price.

Winchester Repeating Rifle.

Component Parts, Model 1873.



When ordering parts, *always give their name and number, also caliber* of rifle for which they are wanted. If possible, also give *number* of the rifle.

Winchester Repeating Rifle.

Price List Of Component Parts, Model 1873.

173	Barrel, Round	\$6.50	6573	Hammer Stirrup Pin	\$0.05
273	Barrel, Octagon	8.00	6273	Hammer complete	\$0.75
373	Barrel, Half Octagon	8.50	13173	Hammer Pin . . . . .	.05
473	Barrel, Carbine	5.50	14473	Lower Tang Screw . . . . .	.05
573	Barrel, Musket	7.00	7473	Magazine Tube	1.80
3073	Butt Stock	\$1.80	7773	Magazine Plug . . . . .	.10
36673	Butt Plate, .32 Caliber . . . . .	.80	7873	Magazine Plug Screw . . . . .	.05
3273	Butt Plate Screws (2), each . . . . .	.05	7673	Magazine Spring . . . . .	.10
36773	Butt Stock complete, .32 Caliber	2.70	7573	Magazine Follower . . . . .	.05
3073	Butt Stock	1.80	7973	Magazine Ring . . . . .	.30
3173	Butt Plate, .38 and .44 Calibers complete	1.10	8073	Magazine Ring Pin . . . . .	.05
3273	Butt Plate Screws (2), each . . . . .	.05	7373	Magazine complete	2.45
21673	Butt Plate Slide . . . . .	.15	7073	Main Spring . . . . .	.30
21773	Butt Plate Slide Spring . . . . .	.10	7173	Main Spring Screw . . . . .	.05
21873	Butt Plate Slide Spring Screw . . . . .	.05	7273	Main Spring Strain Screw . . . . .	.05
2073	Butt Stock complete, .38 and .44 Calibers	3.00	22973	Mortise Cover . . . . .	.35
21973	Breech Pin Base	1.00	23073	Mortise Cover Spring . . . . .	.05
2573	Firing Pin . . . . .	.60	23173	Mortise Cover Spring Screw . . . . .	.05
21473	Firing Pin Retractor . . . . .	.10	23273	Mortise Cover Stop . . . . .	.25
2373	Extractor . . . . .	.25	23373	Mortise Cover Stop Screw . . . . .	.05
2473	Extractor Pin . . . . .	.05	23573	Mortise Cover complete . . . . .	.75
21273	Link Pin . . . . .	.05	51173	Peep Sight Plug Screw . . . . .	.05
22073	Breech Pin complete	2.05	9273	Rear Band, Carbine . . . . .	.35
21573	Carrier Block	1.40	9373	Rear Band Screw Carbine . . . . .	.05
13273	Carrier Lever . . . . .	.35	8273	Receiver with Lower Tang	9.40
13373	Carrier Lever Spring . . . . .	.20	8373	Lower Tang	1.30
13473	Carrier Lever Spring Screw . . . . .	.05	23473	Side Tang Screws (2), each . . . . .	.05
9473	Front Band, Carbine . . . . .	.35	23673	Side Plate, Right Hand . . . . .	.80
9573	Front Band Screw, Carbine . . . . .	.05	23773	Side Plate, Left Hand . . . . .	.60
5873	Forearm . . . . .	.60	23873	Side Plate Screw . . . . .	.05
5973	Forearm Tip . . . . .	.85	8173	Receiver complete	10.85
6073	Forearm Tip Screws (2), each . . . . .	.05	8573	Spring Cover . . . . .	.30
6173	Forearm Tip Tenon . . . . .	.15	8673	Spring Cover Screw . . . . .	.05
5273	Finger Lever	1.55	23973	Link, Right Hand, complete . . . . .	.60
22173	Finger Lever Cam . . . . .	.10	24073	Link, Left Hand, complete . . . . .	.60
5173	Finger Lever complete	1.65	11673	Sear . . . . .	.20
22273	Finger Lever Screw . . . . .	.05	44673	Sear and Safety Catch Spring Screw . . . . .	.05
22373	Finger Lever Link Pin . . . . .	.05	12073	Safety Catch . . . . .	.15
22473	Finger Lever Spring . . . . .	.20	12273	Safety Catch Pin . . . . .	.05
22573	Finger Lever Spring Screw . . . . .	.05	44273	Sear and Safety Catch Spring . . . . .	.10
22673	Finger Lever Catch . . . . .	.20	8773	Trigger . . . . .	.20
22773	Finger Lever Catch Pin . . . . .	.05	8873	Trigger Pin . . . . .	.05
22873	Finger Lever Catch Spring . . . . .	.05	9173	Upper Tang Screw . . . . .	.05
36473	Finger Lever Catch complete . . . . .	.30	20573	Wiping Rod, Rifle . . . . .	.35
6473	Hammer Stirrup . . . . .	.10	24173	Wiping Rod, Carbine . . . . .	.30
			24273	Wiping Rod, Musket . . . . .	.45
			24373	Sling Ring and Staple, Carbine . . . . .	.10

When ordering parts, *always give their name and number, also caliber* of rifle for which they are wanted. If possible, also give *number* of the rifle.

MODEL
1886

16

Winchester Repeating Rifle.

For .33 Winchester, .45-70-405 Government, .45-70-500 Government, .45-70-330, .45-70-350, .45-90 Winchester, And .50-110 Winchester Cartridges. Made With Full Or Half Magazine, And In "Take Down" Styles.

The Winchester Model 1886 is one of the strongest repeating rifles made, and one that will successfully withstand the shock and strain of shooting such tremendous charges of powder and lead as are contained in .45-70-500 or .50-110-300 cartridges. This model is very popular with big game hunters all over the world on account of its strength, accuracy, and great killing qualities. This gun has been thoroughly tested on all kinds of game, and has invariably given such splendid satisfaction that it is doubtful if it will ever be equaled for the heavy cartridges it was especially designed to handle.

The system differs from that of earlier Winchester models, as will be seen by the sectional cuts on page 24, although it is operated by a finger lever, like the Winchester Model 1873. Only a short movement of the finger lever is required to load this gun, which makes it easy to fire rapidly while the gun is at the shoulder. A glance at the sectional cuts of this model is convincing of the strength and simplicity of its locking device. The gun is locked by two bolts, having a motion like the old Sharp's breech-block, which show on the top of the gun when the action is closed. In this position the locking bolts lie one on each side of the breech-bolt. Each bolt fits into a slot in the frame on one side, and into a similar slot in the breech-bolt on the other. The first opening motion of the lever withdraws and locks back the firing pin until the gun is again ready for firing. A hook attached to the finger lever draws the cartridges out of the magazine into the carrier block, which enables the use of a light magazine spring, permitting the magazine to be filled easily. The cartridge is forced from the carrier into the chamber by the forward movement of the breech-bolt. The arrangement of the breech-bolt, finger lever, and locking bolt makes it easy to insert or eject a cartridge, and gives the action strength to withstand heavy charges.

The magazine is filled while the gun is closed, through the spring cover at the side, and is provided with a stop, which permits the use of cartridges of different lengths, having the same length of shell. For illustration: Guns chambered for the .45-70 cartridge will handle that cartridge with either the 330, 350, 405 or 500 grain bullet. Never use in this rifle a cartridge primed with a Berdan or copper primer. A rifle with a 26-inch barrel and full magazine will carry nine .45-70-405, .45-70-330 or .45-70-350 cartridges or eight .45-70-500, .45-90 or .50-110 cartridges. The .33 caliber rifle of this model with full magazine carries seven cartridges. Half magazine rifles of all calibers in this model carry four cartridges in the magazine and one in the barrel. The standard length of barrel is 26 inches, except the .33 caliber which is 24 inches. Barrels longer than the standard cannot be furnished. Guns of this model can be furnished with set triggers if so ordered. See page 98. For extras see page 96.

17

Tk. Down
1886

The "Take Down" Rifle.

Made For The Same Cartridges As The Regular Style Of This Model. Full Or Half Magazine.



RIFLE TAKEN APART.

The Winchester Model 1886 "Take Down" rifle is a particularly handy and convenient arm. The ease with which it can be taken apart, and the small space it can be carried in, recommends it to all sportsmen. The barrel of the gun is attached to the frame by an interrupted screw, which makes it possible to detach the barrel from the frame with a one-quarter turn. The magazine, barrel, and fore-end are attached by a ring at the breech so as to form one piece. (See cut.) This leaves the stock and action in one piece, and the barrel and all parts attached to it in another, so that the gun can be conveniently carried in a Victoria case like a shotgun, packed in a trunk or in bedding. Another feature of the "Take Down" style of gun is: When cleaning the gun the magazine can be screwed out and withdrawn entirely from the barrel, so that the latter can be washed with water, if desired, without wetting the action or magazine.

The interrupted screw system used in Winchester "Take Down" rifles has been thoroughly tested, both in heavy ordnance as well as in small arms.

The Model 1886 "Take Down" Rifle will be made for the same cartridges and with the same variety of stocks as the regular style guns of this model, but only with 26 inch round octagon or half octagon barrels, and blued frames. It will be made with full or half magazine. Carbines cannot be furnished in "Take Down" style.

Directions For Taking Apart Model 1886, 1892, And 1894 "Take Down" Rifles.

Lift up the magazine lever found at the muzzle end of the magazine, and unscrew the magazine about one inch. Throw down the finger lever, and unscrew the barrel one-quarter of a turn to the left. Draw out the barrel from the frame.

In a new gun the barrel may unscrew with difficulty. If so, hold the gun by the forearm in the left hand, and strike the lower part of the stock with the right, so as to drive it to the right.

To Put The Gun Together.

Draw out the magazine about one-quarter of an inch. Throw down the finger lever. Slip the shank of the barrel into its place in the frame, in such a position that one-quarter of a turn to the right will lock the barrel to the frame.

If this gun becomes loose at the joint by wear, it may be readjusted by the following method: Take off the forearm of the gun. This will expose, on the front side of the receiver extension at the base of the barrel, three screws. By turning these up slightly any play between the ring and the front end of the receiver will be taken up, and the gun will go together without shaking, as before. This adjustment should not be used except in case of absolute necessity.

**MODEL
1886**

18

Interchangeable Barrels.

For Model 1886 "Take Down" Rifles.

A very desirable feature of the Model 1886 "Take Down" rifle is that of interchangeable barrels, as it enables one to have practically two different guns for the slight additional cost of another barrel and magazine. A .45 caliber barrel, with magazine, forearm, etc., complete, can be interchanged with a .50 caliber barrel. The .33 caliber rifle of this Model can be fitted with interchangeable barrels of other Model 1886 calibers; but .33 caliber interchangeable barrels cannot be furnished. It will be necessary, in all cases, to send guns to the Winchester factory to have extra barrels fitted to them. (See page 66.) List prices of extra barrels, complete, with magazine, etc.: Round, \$12.00; Octagon, \$13.50; Half Octagon, \$14.00.

Extra Light Weight Model 1886.

**Made For The .45-70 Cartridge With Full Or Half Magazine.
Weight, About 6¼ Pounds. Price, \$25.00.**

The Extra Light Weight Model 1886 rifle represents the lightest weight possible in a gun of such power, without the sacrifice of strength or good shooting qualities. Before it was placed upon the market this rifle was subjected to the severest of tests for strength, etc., all of which it underwent without displaying the slightest weakness of any sort.

It will be made to order according to the following specifications: Barrel, round, nickel steel, 22 inches long, chambered for the .45-70 cartridge only. Full magazine holding 7 cartridges, or half magazine holding 4 cartridges. Straight grip stock of plain wood, not checked, with shotgun butt and rubber butt plate. Weight, about 6¼ pounds. Price, \$25.00.

This gun can be furnished with fancy walnut pistol grip stock and forearm. See price list of Extras, page 96.

Extra Light Weight Model 1886 "Take Down."

**Made For The .45-70 Cartridge With Full Or Half Magazine.
Weight, About 7¼ Pounds. Price, \$30.00.**

The Model 1886 Light Weight "Take Down" rifle is the embodiment of lightness and convenience. It will be made to order according to the following specifications: Barrel, round, nickel steel, 22 inches long, chambered for the .45-70 cartridge only. Full magazine holding 7 cartridges, or half magazine holding 4 cartridges; straight grip stock of plain wood; shotgun butt, and rubber butt plate. Weight, about 7¼ pounds. Price, \$30.00.

.33 Winchester Smokeless Model 1886.

Made In Solid Frame And "Take Down" Styles.

The .33 Caliber belongs to the high-power Smokeless-powder class of cartridges, having high velocity and flat trajectory, and which develop great striking energy and penetrating power. The .33 caliber bullet weighs 200 grains, and with the load of special Smokeless powder used in the cartridge develops a muzzle velocity of 2,056.2 foot seconds and a muzzle energy of 1,877.7 foot pounds.

The Model 1886 .33 caliber rifle is made in solid frame or "Take Down" style, with a 24-inch round nickel steel barrel, straight grip stock of plain wood, shotgun butt and rubber butt plate. This rifle, with a half magazine, will hold 4 cartridges in the magazine and 1 in the chamber. A full magazine rifle will hold 7 cartridges in the magazine and 1 in the chamber. The gun weighs about 7½ pounds. Rifles with full or half magazines, rifle butt stocks, and with fancy walnut straight or pistol grip stocks, can be furnished. Octagon or half octagon barrels cannot be furnished for the .33 caliber rifle. List Price, Solid Frame, \$25.00; "Take Down," \$30.00.

See price list of Extras, page 96.

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**MODEL
1886**

**PRICE LIST OF MODEL 1886 REPEATING
RIFLES.**

Full Or Half Magazine.

Carbine, Round Barrel, 22 inches long, weight about 8 pounds.....	\$19.00
Rifle, Round Barrel, 26 inches long, weight about 8¼ pounds.....	19.50
Rifle, .33 Caliber, Round Nickel Steel Barrel, 24 inches long, weight about 7½ pounds.....	25.00
Rifle, Octagon Barrel, 26 inches long, weight about 8¾ pounds.....	21.00
Rifle, Half Octagon Barrel, 26 inches long, weight about 8½ pounds.....	21.50
Rifle, "Take Down," Round Barrel, 26 inches long, weight about 8¾ pounds.....	25.00
Rifle, "Take Down," Octagon Barrel, 26 inches long, weight about 8¾ pounds.....	26.50
Rifle, "Take Down," Half Octagon Barrel, 26 inches long, weight about 8½ pounds.....	27.00
Rifle, .33 Caliber, "Take Down," Round Nickel Steel Barrel, 24 inches long, weight about 7¾ pounds.....	30.00
Rifle, Extra Light Weight, Round Nickel Steel Barrel, 22 inches long, weight about 6¾ pounds, 45-70 caliber only.....	25.00
Rifle, Extra Light Weight "Take Down," Round Nickel Steel Barrel, 22 inches long, weight about 7¼ pounds, 45-70 caliber only.....	30.00

For Extras on Rifles, see page 96. For Parts for Set Triggers, see page 98.

CARTRIDGES ADAPTED TO MODEL 1886 RIFLES.



Cartridges.....per 1,000, \$50.00 | Smokeless Powder.....
Soft Point or Full Patch Bullets, 200 grains.



Cartridges, Lead Bullet, per 1,000, \$48.00	Bullets, Lead, Solid, 312 grs.....	\$9.00
" Full Patch, Soft Point or Hollow	Bullets, Full Patch, Soft Point or Hollow Soft Point, 300 grains,	
Soft Point Bullet " 49.00	per 1,000.....	12.00
Primed Shells....." 30.00	Powder, 110 grains.	
Bullets, Lead, Hol. Pt., 300 grs. " 11.00		

SMOKELESS CARTRIDGES, .50-110 Winchester, Soft Point, Full Patch or Hollow Soft Point, per 1,000, \$55.00.

WINCHESTER HIGH VELOCITY LOW PRESSURE SMOKELESS CARTRIDGES, Soft Point or Full Patch, .50-110, per 1,000, \$55.00.



Cartridges, Lead Bullet, per 1,000, \$36.00	Bullets, Lead.....per 1,000,	\$9.00
" Full Patch or Soft	" Full Patch or	
Point Bullet....." 37.00	Soft Point....."	10.00
Primed Shells....." 24.00	Powder, 90 grains; Bullet, 300 grains.	

SMOKELESS CARTRIDGES, .45-90 Winchester, Soft Point or Full Patch, per 1,000, \$43.00.

WINCHESTER HIGH VELOCITY LOW PRESSURE SMOKELESS CARTRIDGES, Soft Point or Full Patch, .45-90, per 1,000, \$45.00.

**MODEL
1886**

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**CARTRIDGES ADAPTED TO MODEL 1886
RIFLES.**



Cartridges, Lead Bullet, per 1000, \$38.00	Bullets, Lead per 1000, \$15.00
“ Full Patch or Soft	“ Full Patch or Soft
Point Bullet “ 39.00	Point “ 16.00
Primed Shells “ 22.00	Powder, 70 grains; Bullet, 500 grains.

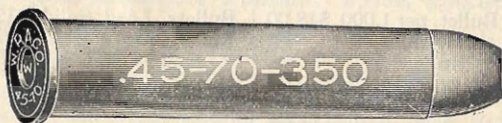
SMOKELESS CARTRIDGES, .45-70-500, Soft Point or Full Patch, per 1000, \$45.00.



Cartridges, Lead Bullet, per 1000, \$35.00	Bullets, Lead per 1000, \$12.00
“ Full Patch or Soft	“ Full Patch or Soft
Point Bullet “ 36.00	Point “ 13.00
Primed Shells “ 22.00	Powder, 70 grains; Bullet, 405 grains.

SMOKELESS CARTRIDGES, .45-70-405, Soft Point or Full Patch, per 1000, \$42.00.

WINCHESTER HIGH VELOCITY LOW PRESSURE SMOKELESS CARTRIDGES, Soft Point or Full Patch, .45-70, per 1000, \$43.00.



Cartridges per 1000, \$35.00	Powder 70 grains.
Primed Shells “ 22.00	Cartridges packed 1000 in a case.
Bullets (350 grains) “ 9.50	

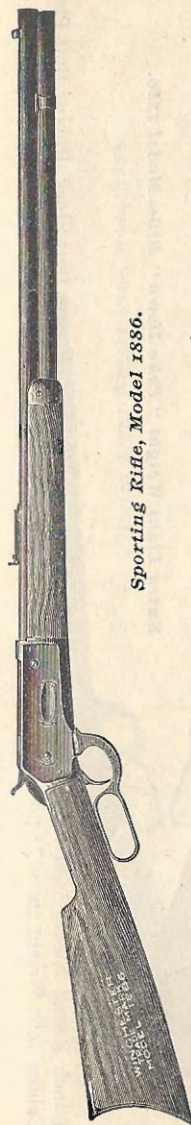
SMOKELESS CARTRIDGES, .45-70-350, Soft Point or Full Patch, per 1000, \$42.00.



Cartridges per 1000, \$35.00	Powder 70 grains.
Primed Shells “ 22.00	Cartridges packed 1000 in a case.
Bullets (330 grains) “ 11.00	

SMOKELESS CARTRIDGES, .45-70-330, Hollow Point, per 1000, \$42.00.

Winchester Repeating Rifle, Model 1886.

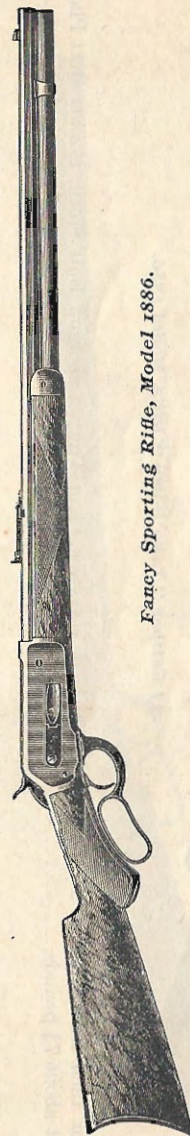


Sporting Rifle, Model 1886.

Twenty-six Inch Round Barrel, Full or Half Magazine, Plain Trigger, Weight about 8½ pounds, \$19.50
 Twenty-six Inch Octagon Barrel, Full or Half Magazine, Plain Trigger, Weight about 8¼ pounds, 21.00

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**MODEL
1886**



Fancy Sporting Rifle, Model 1886.

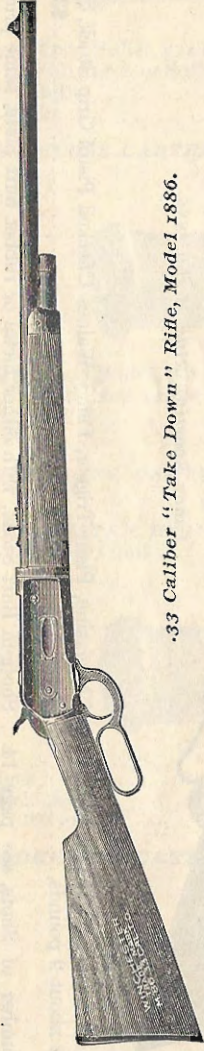
Twenty-six Inch Octagon Barrel, Full or Half Magazine, Plain Trigger, Fancy Walnut Checked Pistol Grip Stock, Weight about 9 pounds, \$39.00

For Number of Shots, see page 14. Shotgun Butt Stock, with either metal or rubber butt plate, same price as Rifle Butt Stock.

When ordering specify whether gun should be sighted for Black or Smokeless Powder.

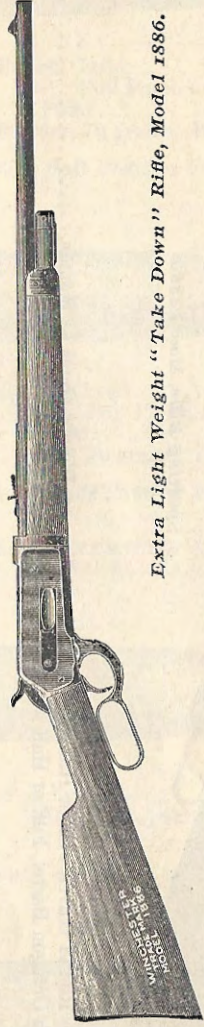
Winchester Repeating Rifle, Model 1886.

MODEL
1886



.33 Caliber "Take Down" Rifle, Model 1886.

Twenty-four Inch Round Nickel Steel Barrel, Full or Half Magazine, Plain Trigger, Shotgun Butt Stock, Rubber Butt Plate, Weight about 7 1/4 pounds,..... \$30.00

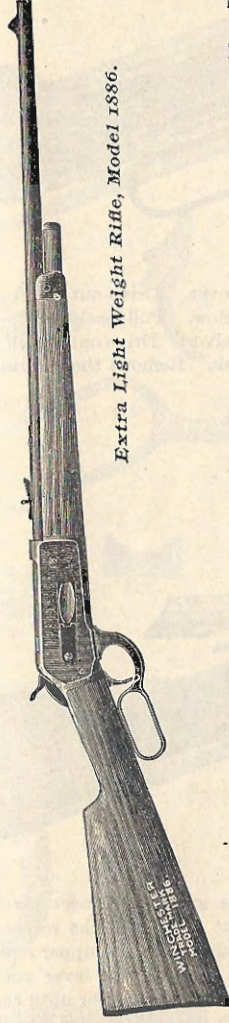


Extra Light Weight "Take Down" Rifle, Model 1886.

Twenty-two Inch Round Nickel Steel Barrel, Full or Half Magazine, Plain Trigger, Shotgun Butt Stock, Rubber Butt Plate, .45-70 Caliber only, Weight about 7 1/4 pounds,..... \$30.00

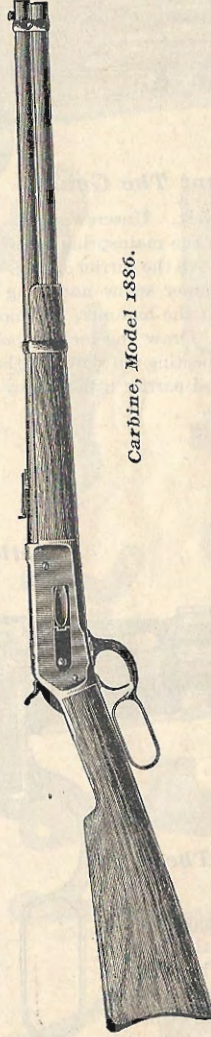
For Number of Shots, see page 16. Extra Light Weight Model 1886 .45-70 Caliber Rifles are sent out sighted for Smokeless Powder. Purchasers intending to use Black Powder cartridges should so state when ordering, as these light-weight guns require a different adjustment of the sights for Black Powder ammunition.

Winchester Repeating Rifle, Model 1886.



Extra Light Weight Rifle, Model 1886.

Twenty-two Inch Round Nickel Steel Barrel, Full or Half Magazine, Plain Trigger, Shotgun Butt Stock, Rubber Butt Plate, .45-70 Caliber only, Weight about 6 1/2 pounds,..... \$25.00



Carbine, Model 1886.

MODEL
1886

Twenty-two Inch Round Barrel, Full or Half Magazine, Plain Trigger, Weight about 8 pounds,..... \$19.00

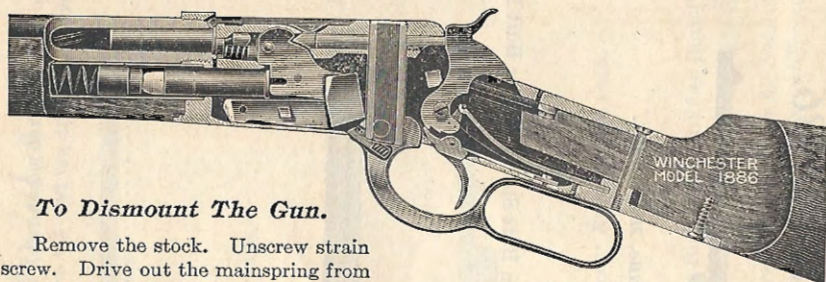
For Number of Shots, see page 16. Extra Light Weight Model 1886 .45-70 Caliber Rifles are sent out sighted for Smokeless Powder. Purchasers intending to use Black Powder cartridges should so state when ordering, as these light-weight guns require a different adjustment of the sights for Black Powder ammunition.

**MODEL
1886**

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Winchester Repeating Rifle System.

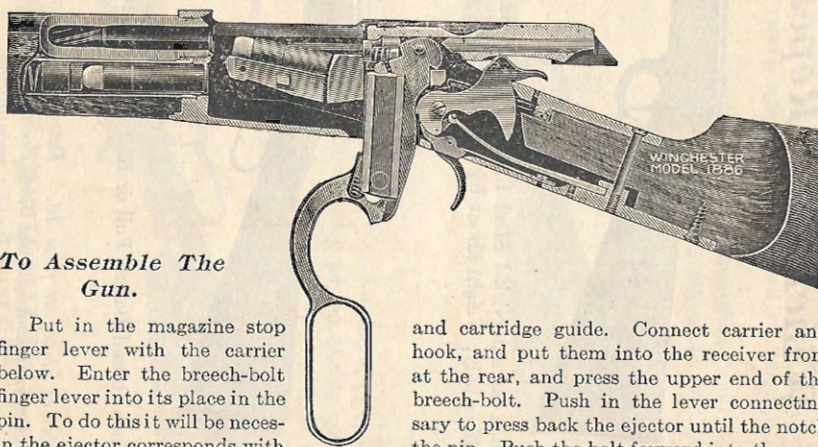
Action Closed.



To Dismount The Gun.

Remove the stock. Unscrew strain screw. Drive out the mainspring from left to right. Remove the carrier spring. Take out the hammer screw and tang with sear attached. Draw out the hammer. Remove the spring cover. Drive out the finger lever pin and bushing. Draw the locking-bolts out from below. Pull back the breech-bolt until the lever connecting pin shows at the rear of the receiver. Drive out the pin. Draw out finger lever and carrier attached by the carrier hook. Remove the cartridge guide and magazine stop.

Action Open.



To Assemble The Gun.

Put in the magazine stop finger lever with the carrier below. Enter the breech-bolt finger lever into its place in the pin. To do this it will be necessary the ejector corresponds with Push up the locking-bolts from below. See that the cartridge guide enters its notch in the right hand locking-bolt. Replace finger lever pin and bushing. Replace the spring cover. Lay the hammer in place, and push in the tang, drawing back the trigger, so that its point may not catch on the hammer. Push in the hammer screw. Replace the carrier spring. Replace the mainspring and stock.

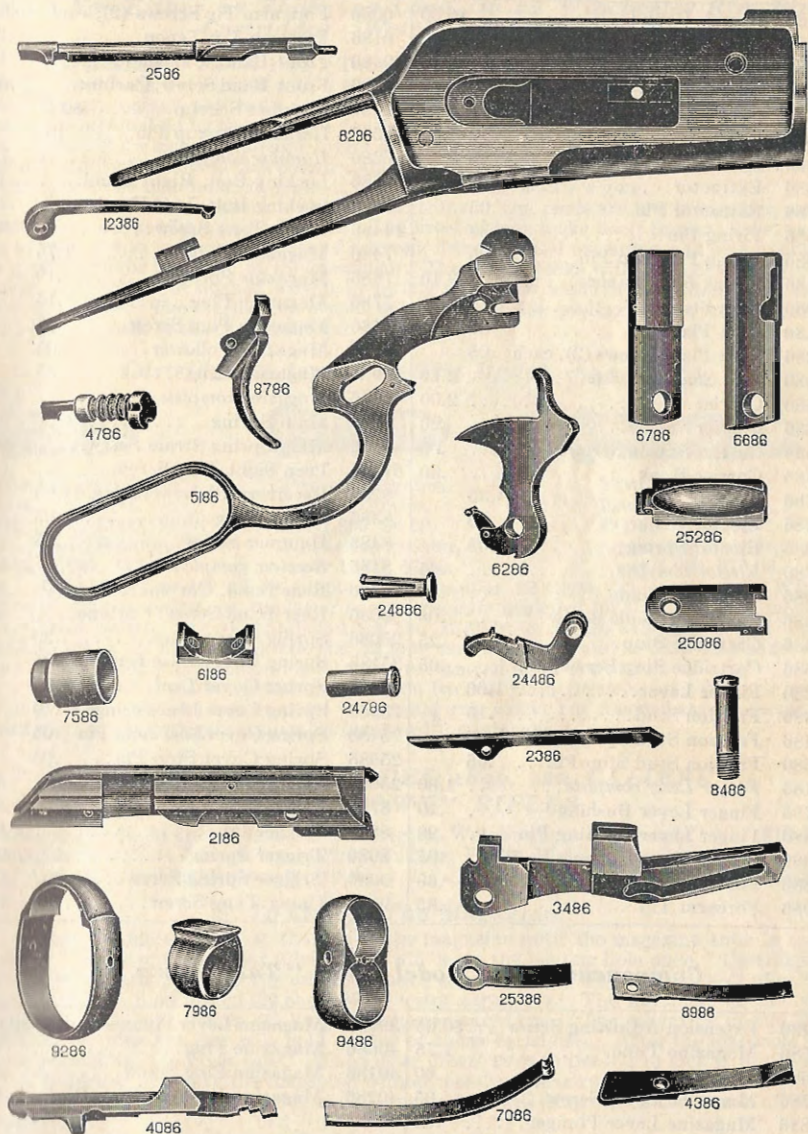
and cartridge guide. Connect carrier and hook, and put them into the receiver from at the rear, and press the upper end of the breech-bolt. Push in the lever connecting sary to press back the ejector until the notch the pin. Push the bolt forward into the gun.

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**PARTS
1886**

Winchester Repeating Rifle.

Component Parts, Model 1886.



When ordering parts, *always give their name and number, also caliber* of rifle for which they are wanted. If possible, also give *number* of the rifle.

Winchester Repeating Rifle.

Price List Of Component Parts, Model 1886.

186	Barrel, Round	\$6.50	6086	Fore arm Tip Screws (2), each	\$0.05
286	Barrel, Round, Nickel Steel	10.00	6186	Forearm Tip Tenon	.15
386	Barrel, Octagon	8.00	9486	Front Band, Carbine	.40
486	Barrel, Half Octagon	8.50	9586	Front Band Screw, Carbine	.05
586	Barrel, Carbine	5.50	6486	Hammer Stirrup	\$0.10
686	Barrel, Musket	7.00	6586	Hammer Stirrup Pin	.05
2286	Breech Bolt	\$2.25	6286	Hammer complete	.75
2386	Extractor	.25	6686	Locking Bolt, Right Hand	.35
2486	Extractor Pin	.05	6786	Locking Bolt, Left Hand	.30
2586	Firing Pin	.50	14486	Lower Tang Screw	.05
2686	Firing Pin Stop Pin	.05	7486	Magazine Tube	1.75
2186	Breech Bolt complete	3.10	7686	Magazine Spring	.10
3086	Butt Stock	1.80	7786	Magazine Plug	.15
3186	Butt Plate	.80	7886	Magazine Plug Screw	.05
3286	Butt Plate Screws (2), each	.05	7586	Magazine Follower	.05
2986	Butt Stock complete	2.70	7986	Magazine Ring	.35
3486	Carrier	2.00	7386	Magazine complete	2.45
12386	Carrier Spring	.20	7086	Main Spring	.30
12486	Carrier Spring Screw	.05	7286	Main Spring Strain Screw	.05
24486	Carrier Hook	.30	51186	Peep Sight Plug Screw	.05
4886	Ejector	.35	8286	Receiver with Lower Tang	11.95
4986	Ejector Collar	.05	8386	Lower Tang	1.95
5086	Ejector Spring	.05	8486	Hammer Screw	.05
4786	Ejector complete	.45	8186	Receiver complete	12.00
4086	Cartridge Guide	.55	9286	Rear Band, Carbine	.40
4686	Cartridge Guide Screw	.05	9386	Rear Band Screw, Carbine	.05
4386	Cartridge Stop	.25	25086	Spring Cover Base	.30
24586	Cartridge Stop Screw	.05	25186	Spring Cover Base Screw	.05
5286	Finger Lever	1.60	25286	Spring Cover Leaf	.30
5386	Friction Stud	.10	25386	Spring Cover Leaf Spring	.10
5486	Friction Stud Spring	.05	25486	Spring Cover Leaf Joint Pin	.05
5586	Friction Stud Stop Pin	.05	25586	Spring Cover Stop Pin	.05
5186	Finger Lever complete	1.80	25686	Spring Cover complete	.85
24786	Finger Lever Bushing	.10	8786	Trigger	.30
24886	Finger Lever Bushing Pin	.20	8886	Trigger Pin	.05
24986	Finger Lever Connecting Pin	.05	8986	Trigger Spring	.10
5886	Forearm	.60	9086	Trigger Spring Screw	.05
5986	Forearm Tip	.85	9186	Upper Tang Screw	.05

Component Parts, Model 1886, "Take Down."

39486	Extension Adjusting Screw	\$0.05	39986	Magazine Lever Plunger Spring	\$0.05
39586	Magazine Tube	1.75	40086	Magazine Plug	.30
39686	Magazine Lever	.60	40186	Magazine Plug Screw	.05
39786	Magazine Lever Screw	.05	40286	Magazine Follower Stop Ring	.05
39886	Magazine Lever Plunger	.05			

When ordering parts, *always give their name and number, also caliber* of rifle for which they are wanted. If possible, also give *number* of the rifle.

Winchester Repeating Rifle.

Model 1890 "Take Down."

Made For Either .22 Short, .22 Long, Or .22 Winchester Rim Fire Cartridges. Weight, 5¾ Pounds.

The Winchester Model 1890 "Take Down" is the best light weight .22 caliber repeating rifle on the market with a sliding forearm action. It is handy, can be taken apart in an instant, and is an accurate strong shooting arm. The popularity of this model is attested to by the demand for it, which has been phenomenally large. It is well adapted for small game and target shooting, and it is used by all the best professional fancy rifle shots in this country and abroad. Its light weight, and the ease with which it can be manipulated, make it very desirable as a lady's gun.

The action of this model is simple and strong. The parts are few in number, and made by our interchangeable system. The breech-block locks itself in plain view, and is of such size as to permit the use of a strong firing pin and extractor, and also to offer a good cover for the head of the cartridge. The action locks with each closing movement, and cannot be opened except by letting down the hammer or pushing forward the firing pin. The mechanism is such as to prevent the pulling of the trigger until the breech-block is closed and the gun locked.

Cartridges Adapted To The Model 1890 Rifle.



Powder, 3 grains.
Lead, 30 grains.
Per 1,000, \$5.00.
Smokeless Powder,
per 1,000, \$6.25.

Powder, 5 grains.
Lead, 35 grains.
Per 1,000, \$8.00.
Smokeless Powder,
per 1,000, \$7.50.

Powder, 7 grains.
Lead, 45 grains.
Per 1,000, \$9.00.
Smokeless Powder,
per 1,000, \$10.00.

Rifles of this model will be adapted to the regular .22 short, .22 long, and .22 Winchester rim fire cartridges, the latter being especially designed for this gun, with inside lubricated bullet. A gun chambered for the .22 short cartridge will handle that cartridge only, a .22 long will handle the .22 long cartridge only, and so on. The name of the cartridge for which the gun is intended is stamped upon the barrel.

This model is made with 24-inch octagon barrels, plain triggers, and straight grip rifle stocks. This gun can be fitted with pistol grip stock, but longer barrels, shotgun butt stocks or set triggers cannot be furnished for this model.

**PRICE LIST OF MODEL 1890, .22 CALIBER
"TAKE DOWN" RIFLES.**

Octagon Barrel, 24 Inches Long, Plain Trigger, Weight about 5¾ pounds,\$16.00
Octagon Barrel, 24 Inches Long, Plain Trigger, Fancy Walnut Checked Pistol Grip Stock, Weight about 6 pounds, 31.50

To Charge The Magazine.

Turn the milled head at the top of the magazine until the magazine tube is unlocked. Draw out the inner tube. This will leave the loading hole open. Cartridges can then be dropped into the magazine until same is full. The magazine of the .22 short gun will hold fifteen .22 short Winchester cartridges. The magazine of the .22 long gun will hold twelve .22 long Winchester cartridges. The magazine of the .22 Winchester rim fire gun will hold twelve of those cartridges. After the magazine is full, press down the inner case. When clear down, turn to the left to lock it in place. If it is desired to empty the magazine without passing the cartridges through the gun, draw the inner tube out entirely, and the cartridges will drop out of the mouth of the magazine.

To Load The Gun.

When the hammer is down, the motion of the handle backward and forward unlocks, opens, and cocks the gun, forces the cartridge into the chamber, and locks the gun. The gun once closed is locked, while the hammer stands at full or half cock. To open the gun without firing or letting down the hammer, push forward the firing

MODEL
1890

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Winchester Repeating Rifle.

pin with the thumb, and pull back the handle at the same time. When the gun stands at half-cock, it is locked both as to the opening of the breech and the pulling of the trigger. The hammer cannot be cocked by the motion of the breech-block from this position, but must be cocked by hand.

To Take Down The Gun.

Turn out the assembling screw (a stop pin prevents its dropping out); hold the arm by the barrel, with the left side down, and pull the stock from the barrel.

Put the gun together in the same position, first letting down the hammer and pushing the breech-piece to its most forward position.

Cleaning.

It will not be found necessary to clean the action of this gun, unless it has had extraordinary usage. When the gun is open, the front of the breech-block may be wiped clean of grease, and when taken down the carrier can be cleaned. This is all that will be found necessary to do to the action. The barrel should never be left dirty. In calibers as small as the .22 too much care cannot be taken in keeping the barrel clean. A metal cleaning rod accompanies each gun. See page 112.



Action Open.

To Dismount The Gun.

Take down the gun: All pins drive out from right to left. To take out the breech-block, remove the magazine ring pin; draw out the magazine; slide out the cover plate; lift out the action slide; press on the firing pin, unlock the breech-block and draw it out backwards. To take out the extractor, drive out the extractor pin from the bottom of the breech-block. To remove the firing pin, take out the firing-pin stop screws and remove the firing pin stop. The firing pin can then be drawn out. To remove the hammer and carrier block from the tang, take off the stock, loosen the mainspring strain screw and the mainspring screw; slide the stirrup off the mainspring, pressing down the mainspring to accomplish this. The mainspring can then be swung out sideways. The assembling screw and assembling screw bushing can then be removed and the hammer taken out. Take out the trigger; loosen the trigger spring screw; drive out the trigger pin.



Action Closed.

To Assemble The Gun.

Put in the trigger and trigger spring, carrier and hammer, and slip in the hammer pin. Slide the stirrup over the mainspring and tighten the mainspring screw and mainspring strain screw. Put the firing pin in the breech-block, and replace firing pin stop and stop screws. Replace extractor, driving in pin from top. Slip the breech-block into the frame. Replace action slide, and put on the slide cover. Replace magazine. To do this, turn the magazine so that the loading hole is next the barrel; slip the magazine stop spring in place; slide the magazine with stop spring in place so that the lower end of stop spring is under the magazine ring; turn the magazine so that stop spring comes next the barrel, and push it into place. Replace the magazine pin. Replace the butt stock.

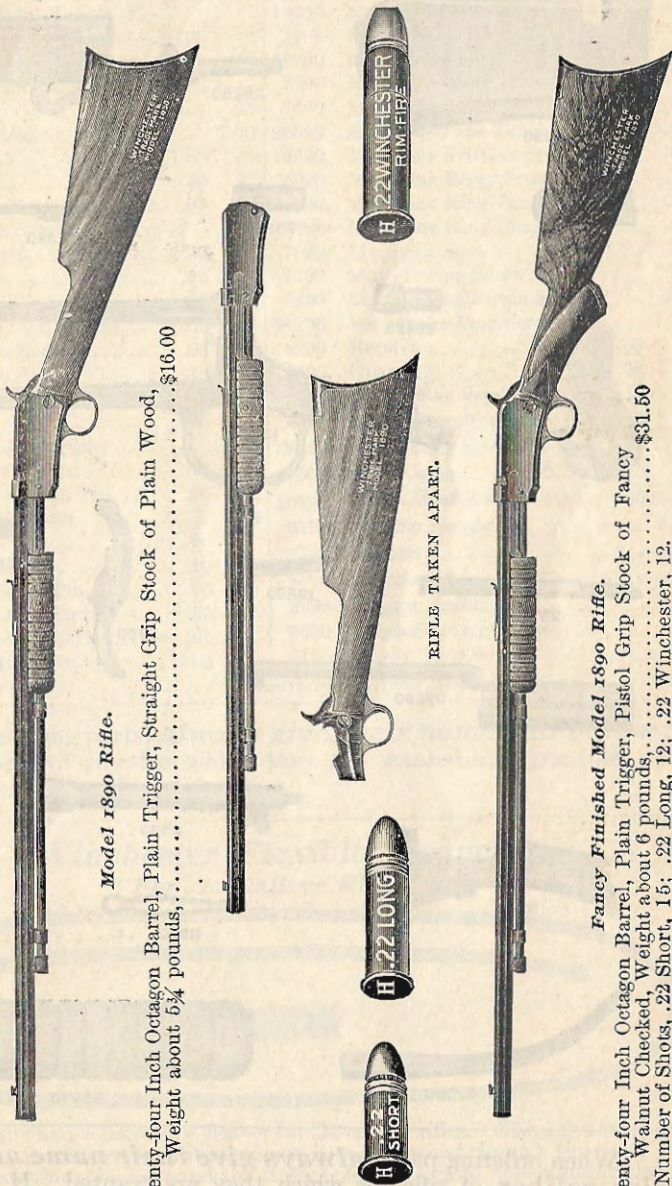
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MODEL
1890

Winchester Repeating Rifle, Model 1890.

"Take Down." Made For Either .22 Short, .22 Long, Or .22 W. R. F. Cartridges.

A model 1890 rifle, chambered for the .22 short cartridge, will handle that cartridge only. A .22 long will handle the .22 long only, and so on. The caliber of the cartridge for which the gun is intended is stamped upon the barrel.



Model 1890 Rifle.

Twenty-four Inch Octagon Barrel, Plain Trigger, Straight Grip Stock of Plain Wood, Weight about 5 $\frac{3}{4}$ pounds,.....\$16.00

Fancy Finished Model 1890 Rifle.

Twenty-four Inch Octagon Barrel, Plain Trigger, Pistol Grip Stock of Fancy Walnut Checked, Weight about 6 pounds,.....\$31.50
Number of Shots, .22 Short, 16; .22 Long, 12; .22 Winchester, 12.

Winchester Repeating Rifle.

Component Parts, Model 1890.



When ordering parts, *always give their name and number, also caliber* of rifle for which they are wanted. If possible, also give *number* of the rifle.

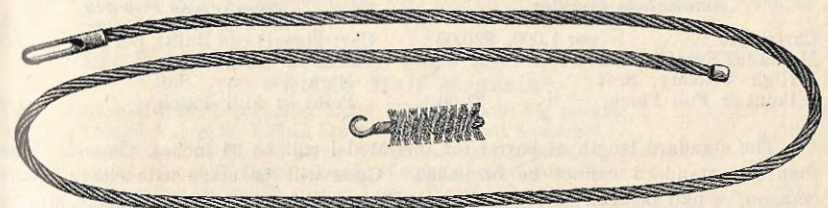
Winchester Repeating Rifle.

Price List Of Component Parts, Model 1890.

35290	Action Slide	.....	\$0.80	19890	Magazine Tube, Outside	.....	\$1.25
35490	Action Slide Handle Escutcheons (2), each	.....	\$0.05	19990	Magazine Tube, Inside	.....	\$0.95
36590	Action Slide Handle complete	.....	.50	7790	Magazine Plug	.....	.10
35590	Action Slide Handle Screws (2), each	.....	.05	19790	Magazine Plug Pin	.....	.05
190	Barrel, Octagon, 24 inch	.....	7.00	7690	Magazine Spring	.....	.10
3090	Butt Stock	.....	1.80	7590	Magazine Follower	.....	.10
3190	Butt Plate	.....	.80	20090	Magazine Tube, Inside, complete	.....	1.30
3290	Butt Plate Screws (2), each	.....	.05	19690	Magazine Friction Spring	.....	.05
2990	Butt Stock complete	.....	2.70	26090	Magazine Ring, Front	.....	.30
2290	Breech Bolt	.....	1.70	26190	Magazine Ring, Rear	.....	.30
2390	Extractor	.....	.25	8090	Magazine Ring Pin	.....	.05
2490	Extractor Pin	.....	.05	7090	Main Spring	.....	.30
2590	Firing Pin and Spring	.....	.50	7190	Main Spring Screw	.....	.05
10590	Firing Pin Spring	.....	.05	7290	Main Spring Strain Screw	.....	.05
25790	Firing Pin Stop	.....	.10	51190	Peep Sight Plug Screw	.....	.05
25890	Firing Pin Stop Screws (2), each	.....	.05	8290	Receiver	.....	4.50
2190	Breech Bolt complete	.....	2.70	13690	Guard	.....	2.50
6490	Hammer Stirrup	.....	.10	26290	Assembling Screw	.....	.15
6590	Hammer Stirrup Pin	.....	.05	26390	Assembling Screw Stop Pin	.....	.05
6290	Hammer complete	.....	.75	26490	Assembling Screw Bushing	.....	.10
3490	Carrier	.....	.80	26590	Slide Cover	.....	.15
13290	Carrier Lever	.....	.10	26690	Slide Cover Stop Screw	.....	.05
13590	Carrier Lever Pin	.....	.05	8190	Receiver complete	.....	7.50
13390	Carrier Lever Spring	.....	.05	8790	Trigger	.....	.30
13490	Carrier Lever Spring Screw	.....	.05	8890	Trigger Pin	.....	.05
25990	Trigger Stop Pin	.....	.05	8990	Trigger Spring	.....	.05
3390	Carrier complete	.....	1.10	9090	Trigger Spring Screw	.....	.05
				9190	Upper Tang Screw	.....	.05
				20590	Wiping Rod	.....	.15

When ordering parts, *always give their name and number, also caliber* of rifle for which they are wanted. If possible, also give *number* of the rifle.

Winchester Flexible Cleaner.
For .22 Caliber Rifles.



This is a handy and satisfactory cleaner for .22 caliber rifles. The galvanized cord, although flexible, is sufficiently stiff to permit it to be pushed through the bore. The bristle brush hooks into the loop and the latter is big enough to hold suitable cleaning cloths. The flexible cleaner is made 24, 30 and 36 inches long. When ordering specify length wanted. List price, 75 cents.

**MODEL
1892**

32

Winchester Repeating Rifle.

For .44, .38, .32, And .25-20 Caliber W. C. F. Cartridges. Made With Full Or Half Magazine, And In "Take Down" Styles.

The system is the same as the Model of 1886, so well known. Manipulated by a finger lever, the firing pin is first withdrawn; the gun unlocked and opened; the shell or cartridge ejected, and a new cartridge presented and forced into the chamber, the firing pin being held back until the gun is again locked. The locking bolts are always in sight, and, when the gun is closed, support the breech-bolt symmetrically against the force of the explosion. The same cartridges are used as in the Model of 1873, —.44, .38, and .32 Winchester center fire,—their widely extended sale having proved their value for general use, and in addition the .25-20 Winchester center fire cartridge. The gun is light, strong, handsome, and simple in construction.

Cartridges Adapted To The Model 1892.



Cartridges.....per 1,000, \$19.00
Primed Shells..... " 10.00
Bullets..... " 6.00
Black Powder, 40 grs. Bullets, 200 grs.

Smokeless Powder.

Cartridges.....per 1,000, \$24.00
Model '92 Special Win.
High Velocity, Soft
Point or Full Patch, " 27.00



Cartridges.....per 1,000, \$16.00
Primed Shells..... " 9.00
Bullets, Lead..... " 4.00
Black Powder, 20 grs. Bullets, 115 grs.

Smokeless Powder.

Cartridges.....per 1,000, \$20.00
Model '92 Special Win.
High Velocity, Soft
Point or Full Patch, " 21.00

The standard length of barrel for this Model will be 24 inches. Barrels longer than this standard cannot be furnished. Guns will be made with either round, octagon, or half octagon barrels, full or half magazines, plain or set triggers, straight or pistol grip stocks, and with either rifle or shotgun butt stocks. The latter will be furnished with either metal or rubber butt plates without extra charge.

The .44 Caliber Rifle, with 24 inch Octagon barrel, will weigh about 7 pounds. The .44 Caliber Carbine, with 20 inch barrel, weighs a little less than 5¾ pounds. The .38, .32, and .25 Calibers will weigh a little more than the .44 of corresponding style.



Cartridges.....per 1,000, \$19.00
Primed Shells..... " 10.00
Bullets, Lead..... " 5.00
Black Powder, 38 grs. Bullets, 180 grs.

Smokeless Powder.

Cartridges.....per 1,000, \$24.00
Model '92 Special Win.
High Velocity, Soft
Point or Full Patch, " 27.00



Cartridges.....per 1,000, \$16.00
Primed Shells..... " 9.00
Bullets..... " 4.00
Black Powder, 17 grs. Bullets, 86 grs.

Smokeless Powder.

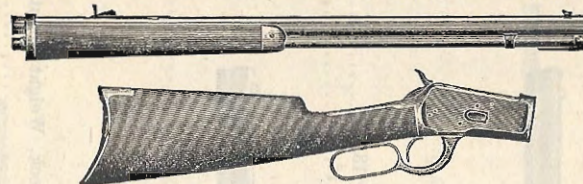
Cartridges (Lead Bul't), per 1,000, \$19.00
Model '92 Special Win.
High Velocity, Soft
Point or Full Patch, " 21.00

33

**Tk. Down
1892**

The "Take Down" Rifle.

Made For The Same Cartridges As The Regular Style Of This Model. Full Or Half Magazine. Weight, About 7¼ Pounds.



RIFLE TAKEN APART.

The "Take Down" system used on this rifle is the same as the one used so successfully on the Models 1886 and 1894 Winchester Repeating Rifles. For full description of the system, see page 17. The Model 1892 "Take Down" rifle will be made in .25, .32, .38, and .44 calibers, but only with 24 inch Round, Octagon, or Half-Octagon barrel, blued trimmings, and Rifle or Shotgun butt stock. Carbines or longer barrels cannot be furnished in "Take Down" style of rifle. For special parts for Model 1892 "Take Down" rifle, see page 38.

To Take The Gun Apart.

Lift up the magazine lever found at the muzzle end of the magazine, and unscrew the magazine about one inch. Throw down the finger lever, and unscrew the barrel one-quarter of a turn to the left. Draw out the barrel from the frame. In a new gun the barrel may unscrew with difficulty. If so, hold the gun by the forearm in the left hand, and strike the lower part of the stock with the right, so as to drive it to the right.

To Put The Gun Together.

Draw out the magazine about one-quarter of an inch. Throw down the finger lever. Slip the shank of the barrel into its place in the frame in such a position that one-quarter of a turn to the right will lock the barrel to the frame. If this gun becomes loose at the joint by wear, it may be readjusted by the following method: Take off the forearm of the gun. This will expose, on the front side of the extension ring at the base of the barrel, three screws. By turning these up slightly any play between the ring and the front end of the receiver will be taken up, and the gun will go together without shaking, as before. This adjustment should not be used except in case of absolute necessity.

Interchangeable Barrels.

The .38 and .44 Calibers of the Model 1892 "Take Down" rifles having the same action, we can make the barrels interchangeable, so that anyone wishing to use the two styles of cartridges, .38 Winchester center fire and .44 Winchester center fire, may do so at a comparatively small increase over the cost of one rifle, by having two interchangeable barrels fitted to one frame and stock. Rifles to be fitted with interchangeable barrels must be sent to the factory. See page 66.

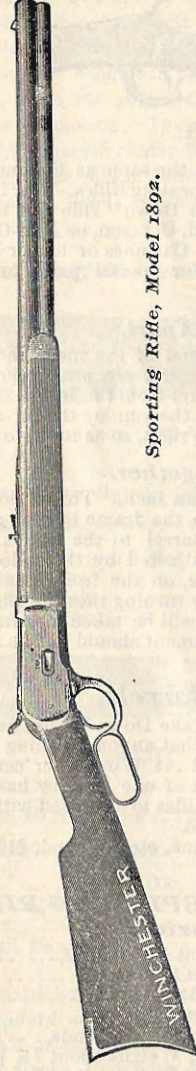
List prices of extra barrels complete with magazine, etc.: Round, \$12.00; Octagon, \$13.50; Half Octagon, \$14.00.

PRICE LIST OF MODEL 1892 REPEATING RIFLES. Full Or Half Magazine.

Carbine, Round Barrel 20 Inches Long, Weight about 5¾ pounds,.....\$17.50
Musket, Round Barrel 30 Inches Long, Weight about 8 pounds,..... 19.00
Rifle, Round Barrel 24 Inches Long, Weight about 6¾ pounds,..... 18.00
Rifle, Octagon Barrel 24 Inches Long, Weight about 7 pounds,..... 19.50
Rifle, Half Octagon Barrel 24 Inches Long, Weight about 7 pounds,..... 20.00
Rifle, "Take Down," Round Barrel 24 Inches Long, Weight about 7¼ pounds, 25.00
Rifle, "Take Down," Octagon Barrel 24 Inches Long, Weight about 7¼ pounds, 26.50
Rifle, "Take Down," Half Octagon Barrel 24 Inches Long, Weight about 7¼ pounds,..... 27.00
All extras same as on other Repeating Rifles. See page 96.
For description of Set Triggers, see page 98.

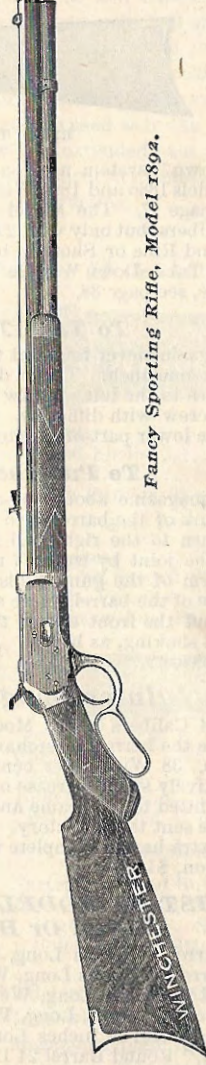
Winchester Repeating Rifle, Model 1892.

Made For .44, .38, .32, And .25-20 W. C. F. Cartridges.



Sporting Rifle, Model 1892.

Twenty-four Inch Round Barrel, Full Magazine, Plain Trigger, Weight about 6¼ pounds, Magazine Capacity 13,\$18.00
 Twenty-four Inch Octagon Barrel, Full Magazine, Plain Trigger, Weight about 7 pounds, Magazine Capacity 13, 19.50

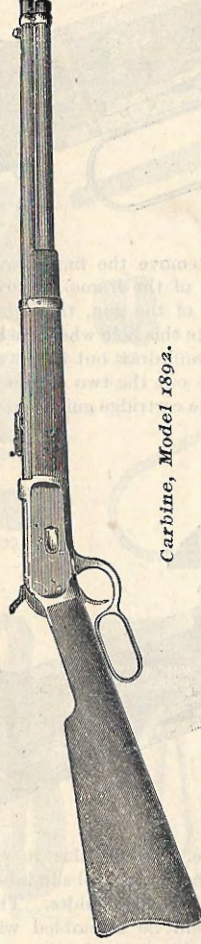


Fancy Sporting Rifle, Model 1892.

Twenty-four Inch Octagon Barrel, Full Magazine, Plain Trigger, Fancy Walnut Checkered Pistol Grip Stock, Weight about 7¼ pounds, Magazine Capacity 13,\$37.50
 Twenty-four Inch Round Barrel, same style finish as above, Weight about 7¼ pounds, Magazine Capacity 13, 36.00

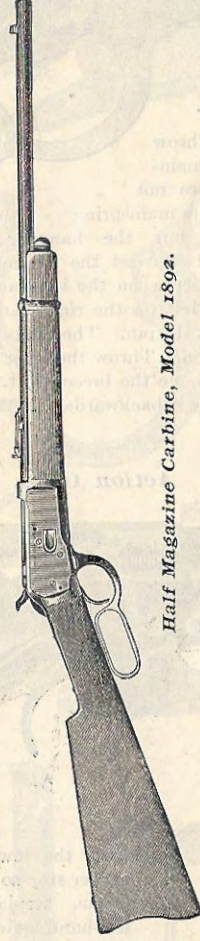
The above Rifles can be furnished with Half Magazines at same prices. Shotgun Butt Stocks, with either metal or rubber butt plate, same price as Rifle Butt Stocks. When ordering specify whether gun should be sighted for Black or Smokeless Powder.
 For Extras, see page 96.

Winchester Repeating Rifle, Model 1892.



Carbine, Model 1892.

Twenty Inch Round Barrel, Full Magazine, Plain Trigger, Weight about 5¾ pounds, Magazine Capacity 11,\$17.50



Half Magazine Carbine, Model 1892.

Twenty Inch Round Barrel, Half Magazine, Plain Trigger, Weight about 5½ pounds, Magazine Capacity 5,\$17.50



Musket, Model 1892.

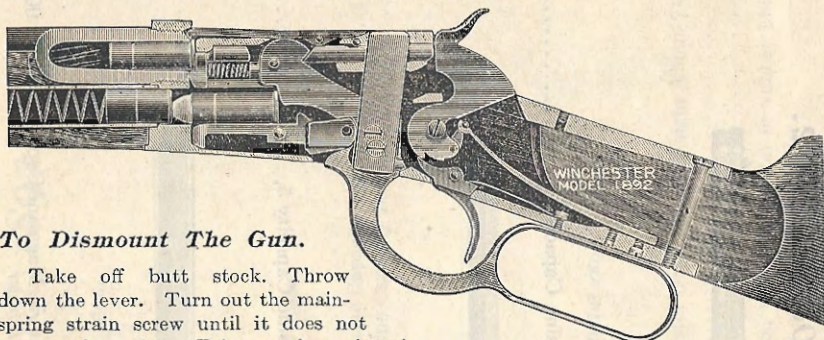
Thirty Inch Round Barrel, Plain Trigger, Full Magazine, Weight about 8 pounds, Magazine Capacity 15, \$19.00
 When ordering specify whether gun should be sighted for Black or Smokeless Powder.

MODEL
1892

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Winchester Repeating Rifle System.

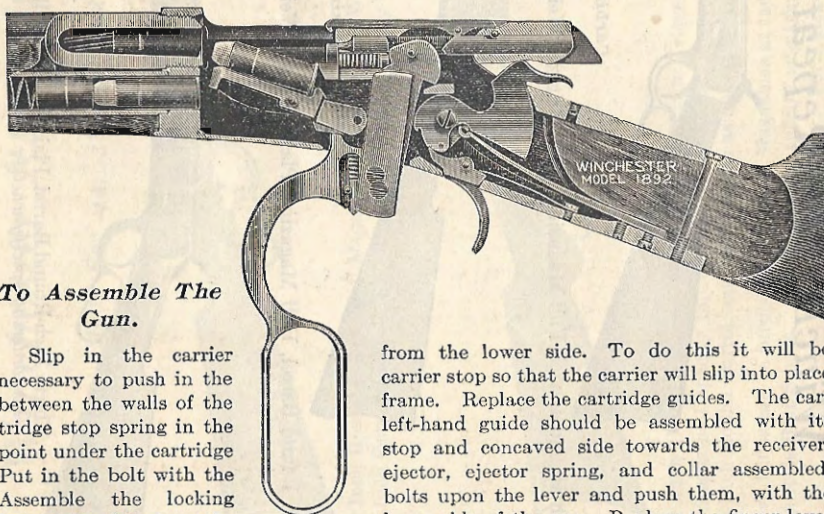
Action Closed.



To Dismount The Gun.

Take off butt stock. Throw down the lever. Turn out the mainspring strain screw until it does not bear on the spring. Take out the mainspring screw and mainspring. Take out the hammer screw. Withdraw the tang and slip out the hammer. Remove the finger lever pin stop screw (this is the forward screw on the left-hand side of the frame). Drive out the finger lever pin. A hole is left on the right-hand side of the gun, through which a punch may be used to drive out the pin. The pin is opposite this hole when the breech-bolt is in its most forward position. Throw the lever down and draw out the lever with the locking bolts attached. Remove the breech-bolt. Take out the two carrier screws and remove the carrier by pushing it backwards. Remove the cartridge guide screws and take out the guides.

Action Open.



To Assemble The Gun.

Slip in the carrier necessary to push in the between the walls of the tridge stop spring in the point under the cartridge Put in the bolt with the Assemble the locking lever, into place from the pin and stop screw. Slip in the hammer screw. Assemble the mainspring loosely on the tang. Catch the stirrup over the end of the mainspring before screwing it fast. Screw fast the mainspring screw and mainspring strain screw.

from the lower side. To do this it will be carrier stop so that the carrier will slip into place frame. Replace the cartridge guides. The car-left-hand guide should be assembled with its stop and concaved side towards the receiver. ejector, ejector spring, and collar assembled. bolts upon the lever and push them, with the lower side of the gun. Replace the finger lever in the tang. Put the hammer in place and put

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PARTS
1892

Winchester Repeating Rifle.

Component Parts, Model 1892.



When ordering parts, *always give their name and number, also caliber* of rifle for which they are wanted. If possible, also give *number* of the rifle.

Winchester Repeating Rifle.

Price List Of Component Parts, Model 1892.

192 Barrel, Round.....	\$6.50	5192 Finger Lever complete.....	\$1.65
292 Barrel, Octagon.....	8.00	5692 Finger Lever Pin.....	.05
392 Barrel, Half Octagon.....	8.50	5792 Finger Lever Pin Stop Screw..	.05
492 Barrel, Carbine.....	5.50	5892 Forearm.....	.60
592 Barrel, Musket.....	7.00	5992 Forearm Tip.....	.85
2292 Breech Bolt.....	\$1.75	6092 Forearm Tip Screws (2), each..	.05
2392 Extractor.....	.25	6192 Forearm Tip Tenon.....	.15
2492 Extractor Pin.....	.05	9492 Front Band, Carbine.....	.40
2592 Firing Pin.....	.50	9592 Front Band Screw, Carbine....	.05
2692 Firing Pin Stop Pin.....	.05	6492 Hammer Stirrup.....	\$.0.10
2792 Ejector Guide.....	.10	6592 Hammer Stirrup Pin.....	.05
2892 Ejector Guide Pins(2), each..	.05	6292 Hammer complete.....	.75
2192 Breech Bolt complete.....	2.80	6692 Locking Bolt, Right Hand.....	.25
3092 Butt Stock.....	1.80	6792 Locking Bolt, Left Hand.....	.30
3192 Butt Plate.....	.80	6892 Locking Bolt Pin.....	.05
3292 Butt Plate Screws (2), each..	.05	6992 Locking Bolt Pin Stop Screw..	.05
2992 Butt Stock complete.....	2.70	7092 Main Spring.....	.30
3492 Carrier.....	.50	7192 Main Spring Screw.....	.05
3592 Carrier Stop.....	.05	7292 Main Spring Strain Screw.....	.05
3692 Carrier Stop Pin.....	.05	7492 Magazine Tube.....	1.75
3792 Carrier Stop Spring.....	.05	7592 Magazine Follower.....	.05
3392 Carrier complete.....	.65	7692 Magazine Spring.....	.10
3892 Carrier Screws (2), each.....	.05	7792 Magazine Plug.....	.10
3992 Cartridge Guide, Right Hand..	.25	7892 Magazine Plug Screw.....	.05
4292 Cartridge Guide, Left Hand, .25-.20 and .32 Caliber..	.30	7992 Magazine Ring.....	.30
4392 Cartridge Stop.....	.20	8092 Magazine Ring Pin.....	.10
4492 Cartridge Stop Joint Pin.....	.05	7392 Magazine complete.....	2.45
4192 Cartridge Guide, Left Hand, .25- .20 and .32 Calibers, complete	.55	8292 Receiver with Lower Tang..	7.95
4092 Cartridge Guide, Left Hand, .38 and .44 Calibers, complete.....	.55	8392 Lower Tang.....	1.45
4592 Cartridge Stop Spring.....	.05	8492 Hammer Screw.....	.05
4692 Cartridge Guide Screws (2), each	.05	8192 Receiver complete.....	8.00
4892 Ejector.....	.35	51192 Peep Sight Plug Screw.....	.05
4992 Ejector Collar.....	.05	9292 Rear Band, Carbine.....	.35
5092 Ejector Spring.....	.05	9392 Rear Band Screw, Carbine....	.05
4792 Ejector complete.....	.45	8592 Spring Cover.....	.35
5292 Finger Lever.....	1.50	8692 Spring Cover Screw.....	.05
5392 Friction Stud.....	.05	8792 Trigger.....	.35
5492 Friction Stud Spring.....	.05	8892 Trigger Pin.....	.05
5592 Friction Stud Stop Pin.....	.05	8992 Trigger Spring.....	.05
		9092 Trigger Spring Screw.....	.05
		9192 Upper Tang Screw.....	.05

Price List of Component Parts, Model 1892, "Take Down."

39492 Extension Adjusting Screw....	\$.0.05	39992 Magazine Lever Plunger Spring	\$0.05
39592 Magazine Tube.....	1.75	40092 Magazine Plug.....	.30
39692 Magazine Lever.....	.60	40192 Magazine Plug Screw.....	.05
39792 Magazine Lever Screw.....	.05	40292 Magazine Follower Stop Ring..	.05
39892 Magazine Lever Plunger.....	.05		

When ordering parts, *always give their name and number, also caliber* of rifle for which they are wanted. If possible, also give *number* of the rifle.

Winchester Repeating Rifle.

For .25-35 And .30 Winchester Smokeless, .32-40 And .38-55 Cartridges. Made With Full or Half Magazine, In "Take Down" And In Extra Light Weight Styles.

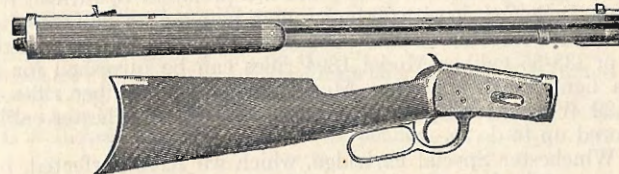
We believe that no repeating rifle system ever made will appeal to the eye and understanding of the rifleman as this will, and that use will continue to warrant first impressions. Every one at once pronounces it strong, light, and elegant. The breech-bolt, worked by a finger lever, is automatically locked by a vertically moving block, which shows on the top of the gun when closed, and covers the whole rear of the breech-bolt. The firing pin is automatically withdrawn and the trigger locked until the parts are in firing position. A heavy hammer and a strong mainspring enable the use of Winchester No. 2½ and No. 5 primers, lessening the chance of misfires.

The arrangement of the parts is such as to smoothly, easily, and surely cock the hammer, pull out and eject the spent shell, draw the cartridge out of the magazine and insert it into the chamber. The materials used in this gun are made especially to our own order, and are the best that large experience and buying capacity can procure. The workmanship is the same that has made the Winchester name and production known throughout the world.

The standard length of barrels is 26 inches, and barrels can be furnished in round, octagon, or half octagon styles. Barrels longer than the standard cannot be furnished. Guns of this model will vary in weight from 7 to 7¾ pounds, according to the difference in style. There is also a slight variation, according to size of bore and shape of barrel. A gun with a 26-inch barrel, having a full magazine, will hold eight cartridges in the magazine, which, with the one in the chamber, gives a total of nine shots at the command of the shooter. A gun with a 26-inch barrel, half magazine, will hold three cartridges in the magazine and one in the chamber. A "Take Down" rifle, with a 26-inch barrel and a half magazine, will hold four cartridges in the magazine and one in the chamber. Rifles of this model can be equipped with Winchester double set trigger, if so ordered. See page 98.

The Model 1894 "Take Down" Rifle.

Made For The Same Cartridges As Regular Styles Of This Model, With Full Or Half Magazine. Weight, About 7¾ Pounds.



RIFLE TAKEN APART.

The "Take Down" system used on this rifle is the same as the one used so successfully on the Models 1886 and 1892 Winchester Repeating Rifles. For full description of the system and instructions for taking the gun apart and putting it together again, see page 17. Carbines cannot be furnished in "Take Down" style of rifle. For special parts of "Take Down" rifles, see page 48.

MODEL
1894

Winchester Repeating Rifle.

Extra Light Weight.

Made For The Same Cartridges As Regular Style Rifles Of This Model. 26-inch Round, Octagon, Or Half Octagon Barrel. Full Or Half Magazine. Weight About 7½ Pounds.

The Extra Light Weight Model 1894 rifle is the lightest gun made that handles such a high-powered cartridge as the .30 Winchester smokeless. This rifle is a hard, accurate shooter, and a strong, reliable arm.

It will be made to order according to the following specifications: Round, Octagon, or Half Octagon Barrel, 26 inches long or under, chambered for the .25-35 and .30 Winchester, .32-40 and .38-55 Cartridges. Full magazine holding 8 or half magazine holding 3 cartridges. Straight grip stock of plain wood, not checked, with shotgun butt stock and rubber butt plate. Guns chambered for .25-35 and .30 Winchester cartridges are made with Nickel steel barrels.

Fancy walnut stocks can be furnished on this style of rifle. For Extras, see page 96.

Extra Light Weight "Take Down" Model 1894.

Made For The Same Cartridges As Regular Style Rifles Of This Model. 26-inch Round, Octagon, Or Half Octagon Barrel. Full Or Half Magazine. Weight About 7½ Pounds.

The Extra Light Weight Model 1894 "Take Down" rifle is similar to the Extra Light Weight Model 1894 rifle, the only difference being that it is a "Take Down," which increases the weight about ¼ pound.

It will be made to order according to the same specifications as the Extra Light Weight Model 1894 rifle, except the half magazine "Take Down" holds 4 cartridges.

.32 Winchester Special Caliber.

For Smokeless Powder.

We have adapted the popular Winchester Model 1894 rifle to handle the new .32 Winchester Special Cartridge, and are prepared to furnish it in solid frame or "Take Down" style with 26-inch round, octagon, or half octagon Nickel steel barrels and, with full or half magazines. All extras furnished on .30 Winchester or .38-55 caliber Model 1894 rifles can be furnished for this gun except extra light weight barrels. Model 1894 .32-40 caliber rifles will not handle the .32 Winchester Special cartridge, and .30 Winchester caliber rifles cannot be bored up to do so.

The .32 Winchester Special cartridge, which we have perfected, is offered to meet the demand of many sportsmen for a smokeless powder cartridge of larger caliber than the .30 Winchester and yet not so powerful as the .30 Army. The .32 Winchester Special cartridge meets these requirements. Loaded with smokeless powder and a 170-grain bullet, it develops a muzzle velocity of 2112 foot seconds, thereby generating a muzzle energy of 1684.2 foot pounds. At the standard testing distance of 15 feet from muzzle, this cartridge, with a full patch bullet, will give a penetration of 45 ¾-inch pine boards.

MODEL
1894

Winchester Repeating Rifle.

Price List Of Model 1894 Rifles. Full Or Half Magazine. Solid Frame. .32-40 And .38-55 Calibers.

Carbine, Barrel 20 Inches Long, Weight about 6¼ pounds,.....	\$17.50
Rifle, Round Barrel 26 Inches Long, Weight about 7¾ pounds,.....	18.00
Rifle, Octagon Barrel 26 Inches Long, Weight about 8 pounds,.....	19.50
Rifle, Half Octagon Barrel 26 Inches Long, Weight about 8 pounds,.....	20.00
Rifle, Extra Light Weight, Round Barrel 26 Inches Long, Weight about 7¼ pounds,.....	23.00
Rifle, Extra Light Weight, Octagon Barrel 26 Inches Long, Weight about 7¼ pounds,.....	24.50
Rifle, Extra Light Weight, Half Octagon Barrel 26 Inches Long, Weight about 7¼ pounds,.....	25.00

"Take-Down."

Rifle, Round Barrel 26 Inches Long, Weight about 8 pounds,.....	\$25.00
Rifle, Octagon Barrel 26 Inches Long, Weight about 8 pounds,.....	26.50
Rifle, Half Octagon Barrel 26 Inches Long, Weight about 8 pounds,.....	27.00
Rifle, Extra Light Weight, Round Barrel 26 Inches Long, Weight about 7½ pounds,.....	30.00
Rifle, Extra Light Weight, Octagon Barrel 26 Inches Long, Weight about 7½ pounds,.....	31.50
Rifle, Extra Light Weight, Half Octagon Barrel 26 Inches Long, Weight about 7½ pounds,.....	32.00

.25-35, .30 Winchester, And .32 Winchester Special Calibers. Solid Frame.

Carbine, Nickel Steel Barrel 20 Inches Long, Weight about 6½ pounds,.....	\$21.00
Rifle, Round Nickel Steel Barrel 26 Inches Long, Weight about 8 pounds,.....	23.00
Rifle, Octagon Nickel Steel Barrel 26 Inches Long, Weight about 8 pounds,.....	24.50
Rifle, Half Octagon Nickel Steel Barrel 26 Inches Long, Weight about 8 pounds,.....	25.00
Rifle, Extra Light Weight, .25 and .30 calibers only, Round Nickel Steel Barrel 26 Inches Long, Weight about 7¼ pounds,.....	28.00
Rifle, Extra Light Weight, .25 and .30 calibers only, Octagon Nickel Steel Barrel 26 Inches Long, Weight about 7¼ pounds,.....	29.50
Rifle, Extra Light Weight, .25 and .30 calibers only, Half Octagon Nickel Steel Barrel 26 Inches Long, Weight about 7¼ pounds,.....	30.00

"Take-Down."

Rifle, Round Nickel Steel Barrel 26 Inches Long, Weight about 8 pounds,.....	\$28.00
Rifle, Octagon Nickel Steel Barrel 26 Inches Long, Weight about 8 pounds,.....	29.50
Rifle, Half Octagon Nickel Steel Barrel 26 Inches Long, Weight about 8 pounds,.....	30.00
Rifle, Extra Light Weight, .25 and .30 calibers only, Round Nickel Steel Barrel 26 Inches Long, Weight about 7½ pounds,.....	33.00
Rifle, Extra Light Weight, .25 and .30 calibers only, Octagon Nickel Steel Barrel 26 Inches Long, Weight about 7½ pounds,.....	34.50
Rifle, Extra Light Weight, .25 and .30 calibers only, Half Octagon Nickel Steel Barrel 26 Inches Long, Weight about 7½ pounds,.....	35.00

Interchangeable Barrels.

Model 1894 "Take-Down" rifles can be furnished with interchangeable barrels of any caliber in which these rifles are made.

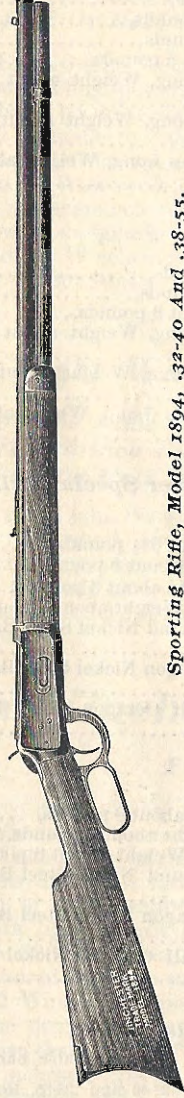
Extra Barrels, complete with magazine, forearm, etc., .32-40 and .38-55, Round, \$12.00; Octagon, \$13.50; Half Octagon, \$14.00.

Extra Barrels, complete with magazine, forearm, etc., .25-35, .30 Winchester or .32 Winchester Special, Nickel Steel, Round, \$15.00; Octagon, \$16.50; Half Octagon, \$17.00.

Rifles to be fitted with interchangeable barrels must be sent to the factory. See page 66.

Winchester Repeating Rifle, Model 1894.

Made For .25-35 And .30 Winchester, .32 W. S., .32-40 And .38-55 Cartridges.



Sporting Rifle, Model 1894, .32-40 And .38-55.

Twenty-six Inch Round Barrel, Full Magazine, Plain Trigger, Weight about 13½ pounds, Magazine Capacity 8, \$18.00
 Twenty-six Inch Octagon Barrel, Full Magazine, Plain Trigger, Weight about 8 pounds, Magazine Capacity 8, 19.50

Sporting Rifle, Model 1894, .25-35, .30 Winchester Smokeless And .32 Winchester Special.
 Twenty-six Inch Round Nickel Steel Barrel, Full Magazine, Plain Trigger, Weight about 8 pounds, Magazine Capacity 8, \$23.00
 Twenty-six Inch Octagon Nickel Steel Barrel, Full Magazine, Plain Trigger, Weight about 8 pounds, Magazine Capacity 8, 24.50

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Fancy Sporting Rifle, Model 1894, .32-40 And .38-55.

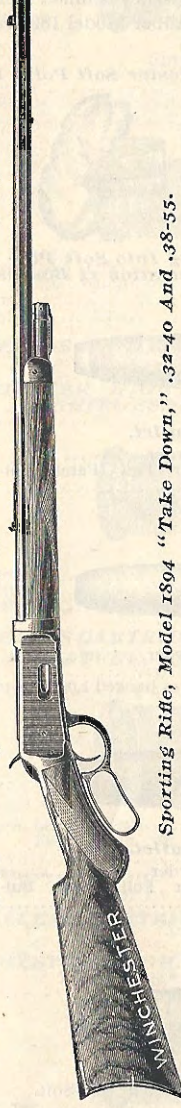
Twenty-six Inch Octagon Barrel, Full Magazine, Plain Trigger, Fancy Walnut Pistol Grip Stock and Forearm Checked, Weight about 8½ pounds, Magazine Capacity 8, \$37.50
 Twenty-six Inch Round Barrel, same style of finish as above, Weight about 8 pounds, 38.00

Fancy Sporting Rifle, Model 1894, .25-35, .30 Winchester Smokeless And .32 Winchester Special.
 Twenty-six Inch Octagon Barrel, same style of finish as above, Weight about 8½ pounds, \$42.50
 Twenty-six Inch Round Barrel, same style of finish as above, Weight about 8½ pounds, 41.00

When ordering, specify whether the gun should be sighted for Black or Smokeless powder cartridges.

Winchester Repeating Rifle, Model 1894.

Made For .25-35 And .30 Winchester, .32 W. S., .32-40 And .38-55 Cartridges.

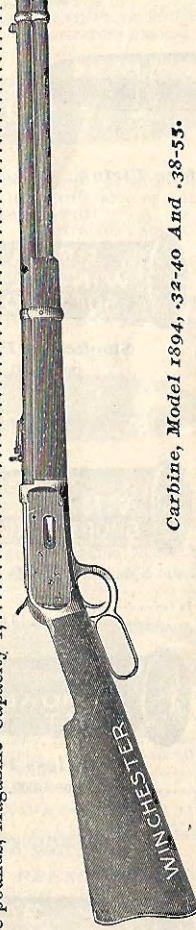


Sporting Rifle, Model 1894 "Take Down," .32-40 And .38-55.

Twenty-six Inch Octagon Barrel, Half Magazine, Plain Trigger, Pistol Grip Stock and Forearm of Plain Walnut Checked, Weight about 8 pounds, Magazine Capacity 4, \$31.50
 Twenty-six Inch Round Barrel, Half Magazine, Plain Trigger, Pistol Grip Stock and Forearm of Plain Walnut Checked, Weight about 8 pounds, Magazine Capacity 4, 30.00

Sporting Rifle, Model 1894 "Take Down," .25-35, .30 Winchester Smokeless, And .32 Winchester Special.
 Twenty-six Inch Octagon Nickel Steel Barrel, Half Magazine, Plain Trigger, Pistol Grip Stock and Forearm of Plain Walnut Checked, Weight about 8 pounds, Magazine Capacity 4, \$34.50
 Twenty-six Inch Round Nickel Steel Barrel, Half Magazine, Plain Trigger, Pistol Grip Stock and Forearm of Plain Walnut Checked, Weight about 8 pounds, Magazine Capacity 4, 33.00

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Carbine, Model 1894, .32-40 And .38-55.

Twenty Inch Round Barrel, Full Magazine, Plain Trigger, Weight about 6½ pounds, Magazine Capacity 6, \$17.50
 Carbine, Model 1894, .25-35, .30 Winchester Smokeless, And .32 Winchester Special.

Twenty Inch Round Nickel Steel Barrel, Full Magazine, Plain Trigger, Weight about 6½ pounds, Magazine Capacity 6, \$21.00
When ordering, specify whether the gun should be sighted for Black or Smokeless powder cartridges.

All of the above can be furnished with Half Magazines or Shotgun Butt Stocks, with either metal or rubber butt plate, at same price. For Extras, see page 96.

MODEL
1894

**MODEL
1894**

Cartridges Adapted To Model 1894 Rifle.

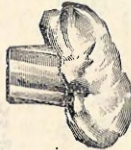
The cartridges described below are adapted to Model 1894 Winchester Repeating Rifles. For shooting big game, soft point bullets should always be used in preference to full patch bullets, as the effect of the former on animal tissues is much more deadly. Black powder cartridges cannot be used in .25-35 or .30 caliber Model 1894 rifles.

.30 Winchester Soft Point Bullet.



Before Firing.

.30 Winchester Soft Point Bullet.



*After Firing Into Soft Pine Boards.
Penetration 11 Boards.*



Smokeless Powder, Soft Point Bullet.

Cartridges.....per 1,000, \$33.00	Smokeless Powder.....
Primed Shells....." 15.00	Soft Point or Full Patch Bul-
Bullets....." 5.00	lets.....117 grains.

Cartridges packed 1,000 in a case.



Cartridges*.....per 1,000, \$30.00	Smokeless Powder.....
Primed Shells....." 15.00	Lead Bullets.....86 grains.
Bullets....." 4.00	Cartridges packed 1,000 in a case.



Smokeless Powder, Soft Point Bullet.

Cartridges.....per 1,000, \$35.00	Smokeless Powder.....
Primed Shells....." 18.00	Soft Point or Full Patch Bul-
Bullets....." 6.00	lets.....170 grains.

Cartridges packed 1,000 in a case.



Cartridges,* Lead Bullets.....per 1,000, \$30.00	Bullets, Full Patch or Soft
Cartridges,* Full Patch or Soft	Point.....per 1,000, \$5.00
Point Bullets....." 35.00	Smokeless Powder.....
Primed Shells....." 18.00	Bullets, Lead, Full Patch or
Bullets, Lead....." 3.00	Soft Point.....117 grains.

Cartridges packed 1,000 in a case.

* These cartridges require a different adjustment of sights from regular cartridges.

**MODEL
1894**

Cartridges Adapted To Model 1894 Rifle.



Smokeless Powder, Soft Point Bullet.

Cartridges.....per 1,000, \$38.00	Smokeless Powder.....
Primed Shells....." 18.00	Bullets, Soft Pt. or Full Patch, 170 grains.
Bullets....." 8.25	Cartridges packed 1,000 in a case.



Cartridges, Lead Bullet.....per 1,000, \$27.00	Bullets, Lead (165 grains).....per 1,000, \$7.25
Full Patch or Soft Point	Bullets, Full Patch or Soft Point.....8.25
Pullet.....28.00	Black Powder.....40 grains.
Primed Shells.....15.00	Cartridges packed 1,000 in a case.

SMOKELESS CARTRIDGES, .32-40 Smokeless Powder, 165 grains Full Patch or Soft Point Bullet, per 1,000, \$32.00.

WINCHESTER HIGH VELOCITY LOW PRESSURE SMOKELESS CARTRIDGES,* Full Patch or Soft Point Bullet, .32-40, per 1,000, \$38.00.



Cartridges*.....per 1,000, \$27.00	Black Powder.....13 grains.
Primed Shells....." 15.00	Cartridges packed 1,000 in a case.
Bullets (98 grs.)....." 6.00	

SMOKELESS CARTRIDGES, .32-40 Short Range, 98 grains Lead Bullet, per 1,000, \$28.00.

.32-40 MINIATURE, Smokeless Powder, 100 grains Full Patch Bullet, per 1,000, \$35.00.



Cartridges, Lead Bullet.....per 1,000, \$33.00	Bullets, Lead (255 grains).....per 1,000, \$9.50
Full Patch or Soft Point	Bullets, Full Patch or Soft
Bullet.....34.00	Point.....10.50
Primed Shells.....18.00	Black Powder.....48 grains.

Cartridges packed 1,000 in a case.

SMOKELESS CARTRIDGES, .38-55 Smokeless Powder, 255 grains Full Patch or Soft Point Bullet, per 1,000, \$40.00.

WINCHESTER HIGH VELOCITY LOW PRESSURE SMOKELESS CARTRIDGES,* Full Patch or Soft Point Bullet, .38-55, per 1,000, \$46.00.



Cartridges*.....per 1,000, \$33.00	Black Powder.....20 grains.
Primed Shells....." 18.00	Cartridges packed 1,000 in a case.
Bullets (155 grains)....." 7.00	

* These cartridges require a different adjustment of sights from regular cartridges.

MODEL
1894

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Winchester Repeating Rifle System.

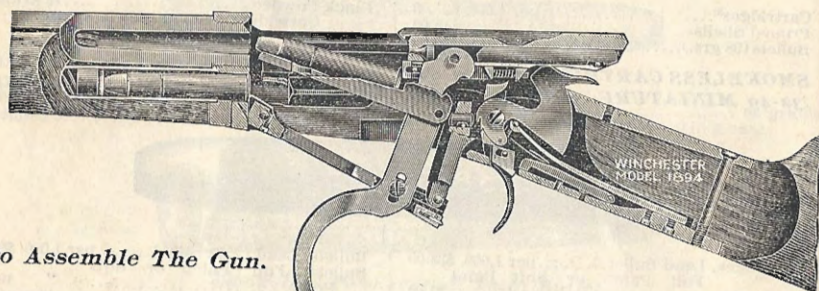
Action Closed.



To Dismount The Gun.

Take out the tang screw and remove the butt stock. Take out the finger lever pin stop screw and finger lever pin. Take out the link pin screw and link pin. Take out the finger lever and link. Take out the finger lever link screw, and separate the link from the finger lever. Take out the carrier screw from each side of the gun, and remove the carrier. Take out mainspring screw and mainspring. Take out the hammer screw and hammer holding up safety catch pin while doing so. Take out lower tang. Take out locking block. Take out the breech-bolt. Take out the cover spring screw and cover spring. Take out the carrier spring screw and carrier spring.

Action Open.



To Assemble The Gun.

Put in the carrier spring and cover spring screw. Slip in the breech-bolt. Slip in the locking hammer in place, and slide the tang into place. Put in the hammer moved without pressing up the to the stirrup, and put in the replace the carrier screws, one finger lever. Push the finger lever partly up into the gun, and catch the rear end of the link upon the locking block. Put in the link pin, and the link pin screw. Close the link into the gun, put in finger lever pin and finger lever pin stop screw. Slip on the stock, and put in the tang screw.

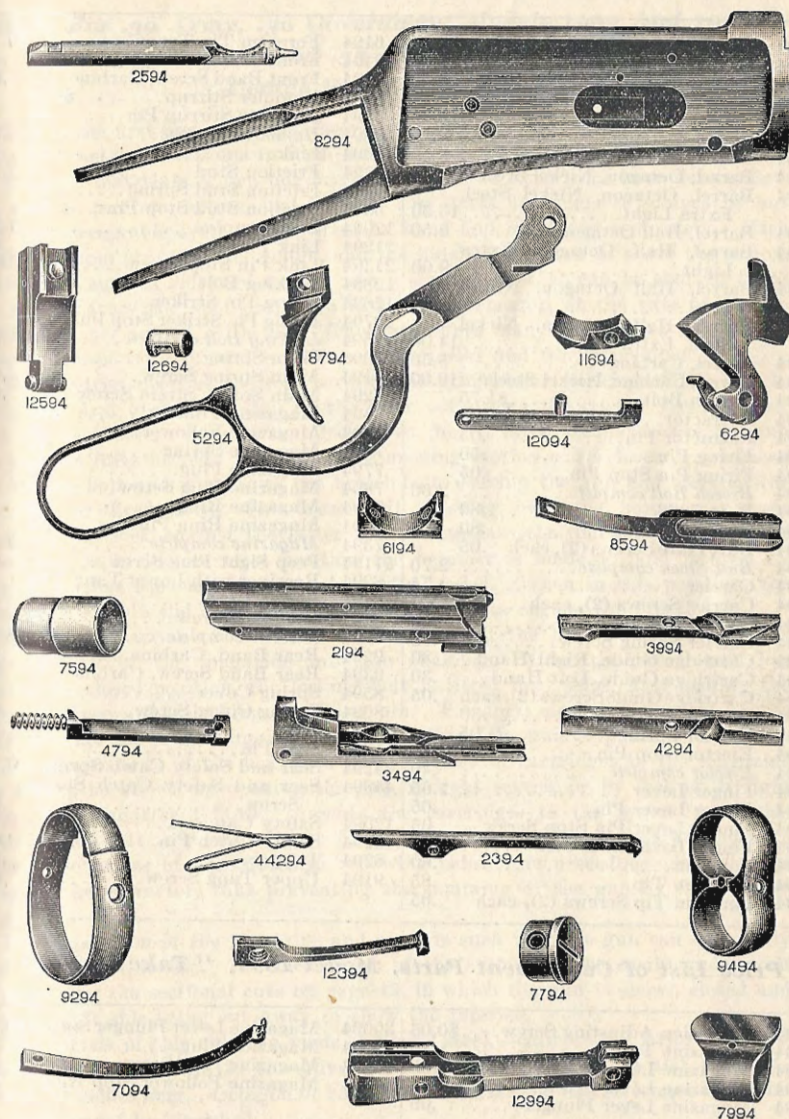
and carrier spring screw. Put in the cover Slip in the breech-bolt. Slip in the locking hammer in place, and slide the tang into screw, remembering that the sear cannot be safety catch pin. Catch the mainspring on mainspring screw. Put in the carrier and on each side. Assemble the link to the

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PARTS
1894

Winchester Repeating Rifle.

Component Parts, Model 1894.



When ordering parts, *always give their name and number, also caliber* of rifle for which they are wanted. If possible, also give *number* of the rifle.

Winchester Repeating Rifle.

Price List Of Component Parts, Model 1894.

194 Barrel, Round.....	\$6.50	6194 Forearm Tip Tenon.....	\$0.15
294 Barrel, Round, Extra Light....	7.00	9494 Front Band, Carbine.....	.40
394 Barrel, Round, Nickel Steel....	10.00	9594 Front Band Screw, Carbine....	.05
494 Barrel, Round, Nickel Steel, Extra Light.....	12.00	6494 Hammer Stirrup.....	\$0.10
594 Barrel, Octagon.....	8.00	6594 Hammer Stirrup Pin.....	.05
694 Barrel, Octagon, Extra Light....	8.50	6294 Hammer complete.....	.75
794 Barrel, Octagon, Nickel Steel....	11.50	13094 Link.....	1.00
894 Barrel, Octagon, Nickel Steel, Extra Light.....	13.50	5394 Friction Stud.....	.10
994 Barrel, Half Octagon.....	8.50	5494 Friction Stud Spring.....	.05
1094 Barrel, Half Octagon, Extra Light.....	9.00	5594 Friction Stud Stop Pin....	.05
1194 Barrel, Half Octagon, Nickel Steel.....	12.00	12994 Link complete.....	1.20
1294 Barrel, Half Octagon, Nickel Steel, Extra Light.....	14.00	21294 Link Pin.....	.05
1394 Barrel, Carbine.....	5.50	21394 Link Pin Stop Screw.....	.05
1494 Barrel, Carbine, Nickel Steel....	10.00	12894 Locking Bolt.....	.50
2294 Breech Bolt.....	\$1.75	12694 Firing Pin Striker.....	.05
2394 Extractor.....	.25	12794 Firing Pin Striker Stop Pin .05	
2494 Extractor Pin.....	.05	12594 Locking Bolt complete.....	.60
2594 Firing Pin.....	.50	7094 Main Spring.....	.30
2694 Firing Pin Stop Pin.....	.05	7194 Main Spring Screw.....	.05
2194 Breech Bolt complete.....	2.60	7294 Main Spring Strain Screw....	.05
3094 Butt Stock.....	1.80	7494 Magazine Tube.....	1.80
3194 Butt Plate.....	.80	7594 Magazine Follower.....	.05
3294 Butt Plate Screws (2), each .05		7694 Magazine Spring.....	.10
2994 Butt Stock complete.....	2.70	7794 Magazine Plug.....	.10
3494 Carrier.....	.75	7894 Magazine Plug Screw.....	.05
3894 Carrier Screws (2), each .05		7994 Magazine Ring.....	.30
12394 Carrier Spring.....	.25	8094 Magazine Ring Pin.....	.05
12494 Carrier Spring Screw.....	.05	7394 Magazine complete.....	2.45
3994 Cartridge Guide, Right Hand .30		51194 Peep Sight Plug Screw.....	.05
4294 Cartridge Guide, Left Hand....	.30	8294 Receiver with Lower Tang 7.95	
4694 Cartridge Guide Screws (2), each .05		8394 Lower Tang.....	1.45
4894 Ejector.....	.30	8494 Hammer Screw.....	.05
5094 Ejector Spring.....	.05	8194 Receiver complete.....	8.00
26794 Ejector Stop Pin.....	.05	9294 Rear Band, Carbine.....	.35
4794 Ejector complete.....	.40	9394 Rear Band Screw, Carbine....	.05
5294 Finger Lever.....	1.65	8594 Spring Cover.....	.35
5694 Finger Lever Pin.....	.05	8694 Spring Cover Screw.....	.05
5794 Finger Lever Pin Stop Screw... .05		11694 Sear.....	.20
26894 Finger Lever Link Screw.....	.05	11794 Sear Pin.....	.05
5894 Forearm.....	.60	44294 Sear and Safety Catch Spring .10	
5994 Forearm Tip.....	.85	44694 Sear and Safety Catch Spring .05	
6094 Forearm Tip Screws (2), each .05		12094 Safety Catch.....	.15
		12294 Safety Catch Pin.....	.05
		8794 Trigger.....	.20
		9194 Upper Tang Screw.....	.05

Price List of Component Parts, Model 1894, "Take Down."

39494 Extension Adjusting Screw....	\$0.05	39994 Magazine Lever Plunger Spring	\$0.05
39594 Magazine Tube.....	1.80	40094 Magazine Plug.....	.30
39694 Magazine Lever.....	.60	40194 Magazine Plug Screw.....	.05
39794 Magazine Lever Screw.....	.05	40294 Magazine Follower Stop Ring .05	
39894 Magazine Lever Plunger.....	.05		

When ordering parts, *always give their name and number, also caliber* of rifle for which they are wanted. If possible, also give *number* of the rifle.

Winchester Repeating Rifle.

**Made For .30 Army, .30 Government Models 1903 And 1906,
.303 British And .35 And .405 Winchester
Center Fire Cartridges.**

This is the first box magazine, lever action gun ever put upon the market. It is light in weight, handsome in form, and the moving parts are few and strong.

The best materials, which our large capacity and experience have determined, are used in receiver, action, and barrel. The parts are made to gauges by our own interchangeable system—not fitted by hand and numbered separately. Each barrel has been proved in the rough, and the finished gun shot to prove the action, and sighted upon a 200-yard target. As a single loader, it can be shot 25 times per minute from the shoulder, with aim; as a repeater, at the rate of two to three shots per second, with aim. This gun offers many advantages in rapidity of action, high velocity, and excellence of material and workmanship.

The receiver, open at the top, permits the symmetrical locking of the breech-bolt. The first opening motion of the lever withdraws the trigger from contact with the sear, before the gun is unlocked, so that it is impossible to fire the gun except when fully locked. The continued opening motion of the lever draws down the locking bolt and withdraws the breech-bolt, cocking the gun and ejecting the cartridge or fired shell. The breech-bolt, passing over the hammer, presses the firing pin lock against the latter, and makes fast the firing pin. When the breech-bolt is in its rearmost position the hammer is made to hold it open by contact, so that the magazine may be easily loaded. When in this position, the upper cartridge in the magazine is so presented as to engage the breech-bolt.

The closing action of the lever carries forward the breech-bolt, forcing the cartridge out of the magazine into the chamber. After the breech-bolt has reached its closed position, the locking bolt is lifted into place, first locking the gun and afterward unlocking the firing pin. The final closing movement of the lever presents the trigger against the sear, leaving the gun in position for firing.

The magazine is of the box type. The number of cartridges in the magazine can always be known by opening the gun, if light serves, or by feeling, if light fails. The magazine follower presents the cartridges to the lower front edge of the breech-bolt in position to be forced into the chamber, and is arranged to prevent the escape of the cartridge following before the preceding one is in the grasp of the extractor, thus preventing the jamming of the gun by false movement.

The disposition of the magazine and parts is such that the gun can be readily used as a single loader. The mechanism of the system can be easily understood by examining the sectional cuts on page 45, in which the gun is shown closed and open, the left side being cut away to show the interior.

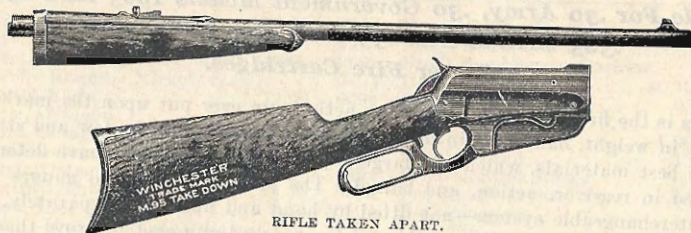
The barrels of this rifle are made of Nickel steel,—calibers .30 Army and .303 British being 28, and the .30 Government Models 1903 and 1906, .35 and .405 Winchester, 24 inches long. Octagon or half octagon barrels or barrels longer than the standard cannot be furnished.

Fancy Stocks and Shotgun Butt Stocks can be furnished for this model. Pistol Grip Stocks cannot be furnished for this model. Set Triggers cannot be furnished for this gun. Rifles chambered for the .30 Army cartridge will not handle the .303 British cartridge.

Tk. Down
1895

The Model 1895 "Take Down" Rifle

Made For .30 Army, .30 Gov't Models 1903 And 1906, .303 British And .35 And .405 Winchester Cartridges.



RIFLE TAKEN APART.

The two-part "Take-Down" system used on this rifle is strong and simple and has been used with complete success on the Winchester "Take-Down" Single Shot Rifle. To take the rifle apart it is only necessary to push forward the "Take-Down" lock on the under side of the receiver extension, open the action to clear the extractor from the barrel and give the barrel a quarter turn to the left. A simple but positive device for taking up wear is embodied in the receiver extension, which permits keeping a perfectly tight joint at the junction of the receiver and the receiver extension.

The Model 1895 "Take-Down" Rifle cannot be furnished in Carbine or Musket style. Otherwise, it is made according to the same specifications as the solid frame rifle of this model. Interchangeable barrels cannot be furnished. Extras heretofore furnished on solid frame rifles of this model can be furnished for the "Take-Down" style.

PRICE LIST OF MODEL 1895 REPEATING RIFLES.

Carbine, .30 Army or .303 British, Round Barrel 22 Inches Long, Weight about 8 pounds	\$30.00
Rifle, .30 Army or .303 British, Round Barrel 28 Inches Long, Weight about 8 1/4 pounds	30.00
Musket, .30 Army or .303 British, Round Barrel 28 Inches Long, Weight about 9 pounds	32.00
Musket, .30 Army, N. R. A., Round Barrel 30 Inches Long, Weight about 9 3/4 pounds	32.00
Carbine, .30 Government Models 1903 or 1906, Round Barrel 22 Inches Long, Weight about 8 pounds	30.00
Rifle, .30 Government Models 1903 or 1906, .35 or .405 Winchester, Round Barrel 24 Inches Long, Weight about 8 1/2 pounds	30.00
Musket, .30 Government Models 1903 or 1906, N. R. A., Round Barrel 24 Inches Long, Weight about 8 1/2 pounds	32.00

"TAKE DOWN."

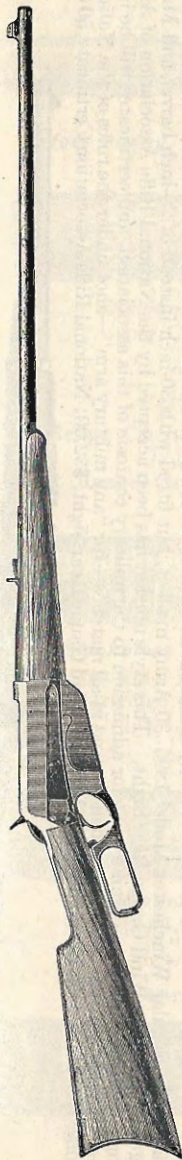
"Take-Down" Rifle, .30 Army or .303 British, Round Barrel 28 Inches Long, Weight about 8 1/2 pounds	\$32.50
"Take-Down" Rifle, .30 Government, Models 1903 or 1906, .35 or .405 Winchester, Round Barrel 24 Inches Long, Weight about 8 3/4 pounds	32.50

For Extras, see page 96.

MODEL
1895

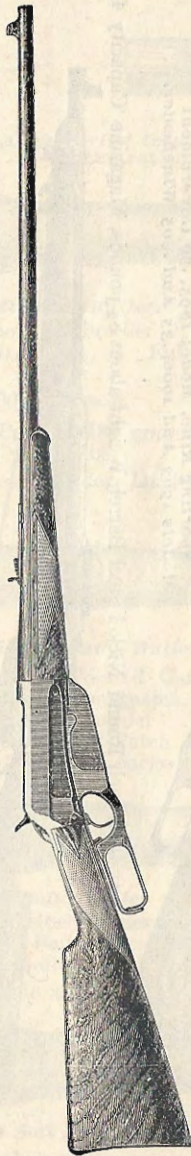
Winchester Repeating Rifle, Model 1895.

Made For .30 Army, .30 Gov't M. '03 And '06, .303 British, .35 And .405 Winchester Cartridges.



Sporting Rifle, Model 1895, .30 Army And .303 British.

Twenty-eight Inch Round Nickel Steel Barrel, Weight about 8 1/4 pounds, Magazine Capacity 5, \$30.00



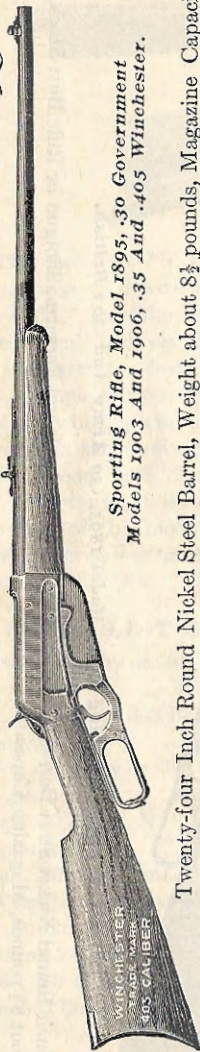
Fancy Sporting Rifle, Model 1895, .30 Army And .303 British.

Twenty-eight Inch Round Nickel Steel Barrel, Fancy Walnut Checked Stock and Forearm, Shotgun or Rifle Butt Stock, Weight about 8 1/2 pounds, Magazine Capacity 5, \$45.00

Shotgun Butt Stock, with either metal or rubber Butt Plate, same price as Rifle Butt Stock.

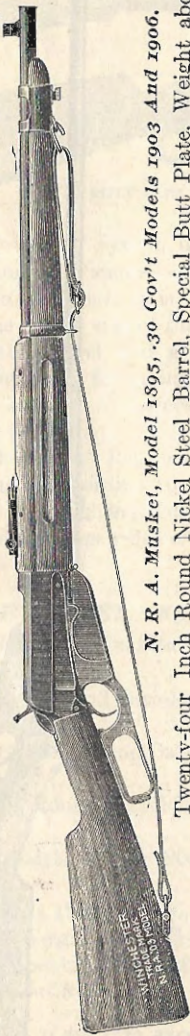
Winchester Repeating Rifle, Model 1895.

**MODEL
1895**



Sporting Rifle, Model 1895, .30 Government Models 1903 And 1906, .35 And .405 Winchester.

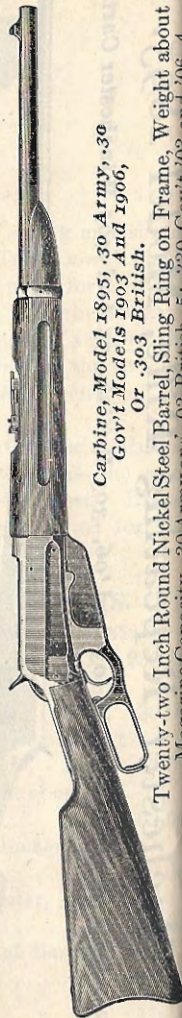
Twenty-four Inch Round Nickel Steel Barrel, Weight about 8½ pounds, Magazine Capacity 4, . . \$30.00



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N. R. A. Musket, Model 1895, .30 Gov't Models 1903 And 1906.
Twenty-four Inch Round Nickel Steel Barrel, Special Butt Plate, Weight about 8½ pounds. Eligible for all matches—for "any military arm"—shot under rules of the National Rifle Association. List Price with Krag-Jorgensen Military Wind Gauge Rear Sight, \$32.00. N. R. A. Sling Strap, \$1.35 extra. National Rifle Association Certificate, 50 cents net.

N. R. A. Musket, Model 1895, .30 Army.
This is the regular Winchester Model 1895 .30 Army musket, but fitted with 30-inch instead of 28-inch barrel, and Model 1901 Krag-Jorgensen Military Wind Gauge Rear Sight. This style musket has been accepted by the National Rifle Association of America as conforming to the regulations governing arms for admission to the military contests of this association, and certificates will be issued for these guns upon application. They can then be used in all matches—for "any military arm"—shot under the rules of the National Rifle Association. List Price, with Krag-Jorgensen Military Wind Gauge Rear Sight, \$32.00; National Rifle Association Certificate, 50 cents net.



Carbine, Model 1895, .30 Army, .30 Gov't Models 1903 And 1906, Or .303 British.

Twenty-two Inch Round Nickel Steel Barrel, Sling Ring on Frame, Weight about 8 pounds, Magazine Capacity, .30 Army and .03 British, 5; .330 Gov't '03 and '06, 4, . . . \$30.00

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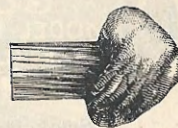
**MODEL
1895**

Cartridges Adapted To Model 1895 Rifle.

.30 Army, 220 Grain Soft Point Bullets.



Before Firing.



After Firing Into Soft Pine Boards. Penetration 13 Boards.



Smokeless Powder, Soft Point Bullet.

Cartridges	per 1,000, \$50.00	Smokeless Powder	
Bullets	" 15.00	Soft Point or Full Patch	
Primed Shells	" 20.00	Bullets	220 grains.

Cartridges packed 1,000 in a case.

.30 Army Mid-Range Cartridges, Smokeless Powder, 180 grain Full Patch or Soft Point Bullets, per 1,000, \$43.00.
.30 Army Short Range Cartridges, Smokeless Powder, Lead Bullets, per 1,000, \$32.00.



Smokeless Powder, Pointed Full Patch Bullet.

The Model 1895 Rifle handles the .30 Army Pointed Cartridge as a single loader only, as this cartridge will not work through the magazine.
Cartridges per 1,000, \$50.00
Smokeless Powder
Primed Shells " 20.00
Pointed Full Patch Bullets 180 grains.
Bullets " 15.00
Cartridges packed 1,000 in a case.



Smokeless Powder, Soft Point Bullet.

Cartridges	per 1,000, \$55.00	Smokeless Powder	
Primed Shells	" 22.50	Soft Point or Full Patch	
Bullets	" 15.00	Bullets	220 grains.

Cartridges packed 1,000 in a case.



Smokeless Powder, Pointed Soft Point Bullet.

Cartridges	per 1,000, \$55.00	Smokeless Powder	
Primed Shells	" 22.50	Pointed Soft Point or Full	
Bullets	" 15.00	Patch Bullets	150 grains.

Cartridges packed 1,000 in a case.

**MODEL
1895**

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Cartridges Adapted To Model 1895 Rifle.



Smokeless Powder, Pointed Full Patch Bullet.

Cartridges	per 1,000, \$55.00	Smokeless Powder	
Primed Shells	" 22.50	Pointed Full Patch Bullets .	180 grains.
Bullets	" 15.00	Cartridges packed 1,000 in a case.	



Smokeless Powder, Soft Point Bullet.

Cartridges	per 1,000, \$55.00	Smokeless Powder	
Primed Shells	" 22.50	Soft Point Bullets	220 grains.
Bullets	" 15.00		

Cartridges packed 1,000 in a case.



Smokeless Powder, Soft Point Bullet.

Cartridges	per 1,000, \$50.00	Smokeless Powder	
Primed Shells	" 20.00	Soft Point or Full Patch	
Bullets	" 15.00	Bullets	215 grains.

Cartridges packed 1,000 in a case.



Smokeless Powder, Soft Point Bullet.

Cartridges	per 1,000, \$55.00	Smokeless Powder	
Cartridges packed 1,000 in a case.		Soft Point or Full Patch	
		Bullets	250 grains.



Smokeless Powder, Soft Point Bullet.

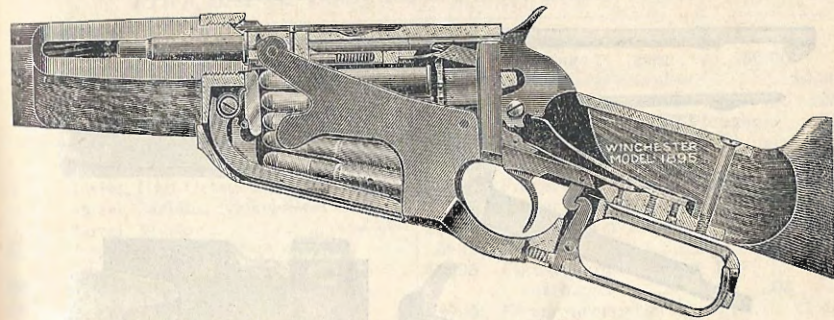
Cartridges	per 1,000, \$60.00	Smokeless Powder	
Cartridges packed 1,000 in a case.		Soft Point or Full Patch	
		Bullets	300 grains.

55

**MODEL
1895**

Winchester Repeating Rifle System.

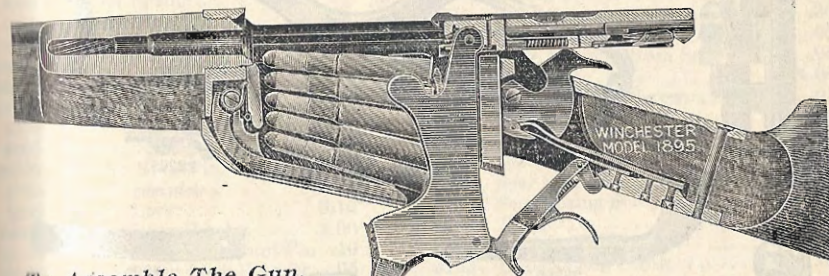
Action Closed.



To Dismount The Gun.

Remove the forearm and butt stock. Open the lever and remove the carrier screw and magazine tip screws. (These are the three lower screws in the forward end of the receiver.) Remove the magazine with the inclosed carrier, turn out the mainspring strain screw, take out the mainspring screw and mainspring. Close the lever and remove the hammer screw and hammer. Remove the finger lever pin stop screw and drive out the finger lever pin from the forward hole in right side of receiver. Remove the link pin. (This connects the link with the lower tang.) The finger lever, link and trigger can then be removed together. Take out the sear spring screw (the forward screw on the bottom of the lower tang) and the sear pin. Take out the locking bolt and breech-bolt.

Action Open.



To Assemble The Gun.

Put in the breech-bolt, assmtractor and ejector. Put in the pin and spring. Put in the finger from the left side. Put in the finger to the lower tang by the link pin connecting the link with the finger to the tang with the trigger and Put in the hammer and hammer mainspring screw, and turn up the magazine with carrier in place. Insert the carrier screw through the receiver, magazine and carrier. Replace the forearm and butt stock. bled complete with firing pin, exlocking bolt. Put in the sear, sear lever and drive in the finger lever pin stop screw. Attach the link and drive in the finger lever link pin, lever. (The link should be attached finger lever catch all assembled.) screw. Put in the mainspring and mainspring strain screw. Put in the Insert the carrier screw through the

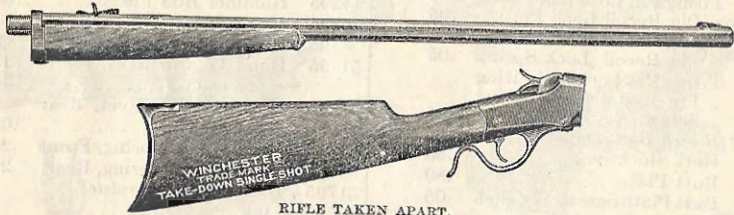
Winchester Single Shot Rifle

For All Desirable Cartridges From .22 To .50 Caliber. Made In Sporting, Musket, Schuetzen, And "Take-Down" Styles.

The Winchester Single Shot Rifle has the old Sharp's breech-block and lever. The firing pin is automatically withdrawn at the first opening movement of the gun and held back until the gun is closed. The hammer is centrally hung but drops down with the breech-block when the gun is opened allowing the barrel to be wiped and examined from the breech, and is fitted with a special form of fly whereby the hammer is left at half instead of full cock when the action is closed. This special fly can be fitted to the earlier style of rifle, when already equipped with a set trigger, at a cost of \$1.00 list, or to one with plain trigger for \$2.00 list. Single Shot Rifles can be furnished with or without set triggers and with barrels of all ordinary lengths up to 30 inches and in the calibers and weights enumerated on the following page; also with rifle or shotgun butt, plain or fancy wood, or with pistol grip. All .22 caliber rim-fire rifles are fitted with a kicking extractor, which throws the shell clear of the gun.

The "Take-Down" Single Shot Rifle.

Made For The Same Cartridges As Regular Styles of This Rifle.



RIFLE TAKEN APART.

The two-part "Take-Down" system used on this rifle is simplicity itself. To take the gun apart it is only necessary to push forward the take-down lock on the under side of the receiver extension, open the action to clear the extractor from the barrel, and give the barrel a quarter turn to the left. A simple but positive device for taking up wear is embodied in the receiver extension, which permits keeping a perfectly tight joint at the junction of the receiver and the receiver extension.

This rifle is equipped with a special hammer fly which leaves the hammer at half instead of full cock when the action is opened and closed. It has a quick spiral mainspring which is entirely housed in the receiver. It can be furnished with set triggers and with barrels of different lengths, chambered for the cartridges in the list given.

PRICE LIST OF SINGLE SHOT RIFLES.

	Solid Frame.	Take Down.
Musket	\$16.00*	\$19.00*
Round Barrel	14.50	17.50
Octagon Barrel	16.00	19.00
Sporting Rifle for .25-35 Winchester, .30 Winchester, .30 Army, .303 British, .32 Winchester Special, and .33 Winchester Cartridges requiring Nickel Steel Barrel.....	20.00	23.00
Sporting Rifle for .35 Winchester and .405 Winchester Cartridges requiring Nickel Steel Barrel.....	22.00	25.00

EXTRAS.

Single or Double Set Triggers.....	\$2.00
Schuetzen Double Set Triggers.....	6.00
Interchangeable Barrels for "Take-Down" Single Shot Rifles, Round	9.00
Octagon	10.50
Round, Interchangeable Nickel Steel Barrels, for "Take-Down" Single Shot Rifles, except .35 Winchester and .405 Winchester calibers.....	12.00
Round, Interchangeable Nickel Steel Barrels, for "Take-Down" Single Shot Rifles, .35 Winchester and .405 Winchester calibers.....	14.00

*Made in .22 Short and .22 Long Rifle calibers only.

Winchester Single Shot Rifle.

Solid-Frame and "Take-Down" Single Shot Rifles are made for the following cartridges, and with barrels of the styles and lengths given. The standard lengths and sizes of barrels as given will be sent on orders unless otherwise specified.

Cartridges.	Stand'd Length of Barrel.	Standard Size of Barrel.	Styles of Barrel Which can be Furnished.	* Weight of Rifle, about.	Other Sizes of Barrels Which can be Furnished.
Rim Fire.					
.22 Short (1),	24 in.	No. 1	Rd. or Oct.	Oct. Bbl., 6 lbs. 14 oz.	No. 3 or 4
.22 Long (1),	24 "	" 1	" " "	" " 6 " 14 "	" 3 " 4
.22 Long Rifle (1),	24 "	" 1	" " "	" " 6 " 14 "	" 3 " 4
.22 Long Rifle,	28 "	Musket	Round	" 8 " 8 "	
.22 W. R. F.,	24 "	No. 1	Rd. or Oct.	Oct. " 7 " 2 "	" 3 " 4
.25 Stevens,	26 "	" 1	" " "	" " 7 " "	" 3 " 4
.32 Short,	26 "	" 1	" " "	" " 6 " 12 "	" 3 " 4
Center Fire.					
.22 Win. Center Fire,	26 in.	No. 1	Rd. or Oct.	7 lbs.	No. 3 or 4
.25-20 Single Shot,	28 "	" 1	" " "	7 "	" 3 " 4
.25-35 Winchester (2),	30 "	" 3	Rd. only	Rd. Bbl., 9 lbs. 9 oz.	
.30 Winchester (2),	30 "	" 3	" " "	" " 9 " 6 "	
.30 Army (3),	30 "	" 3	" " "	" " 9 " 6 "	
.303 British (3),	30 "	" 3	" " "	" " 9 " 6 "	
.32 Win. Special (2),	30 "	" 3	" " "	" " 9 " 4 "	
.33 Winchester (5),	30 "	" 3	" " "	" " 9 " 3 "	
.35 Winchester (3),	30 "	" 3½	" " "	" " 9 " 2 "	
.405 Winchester (3),	30 "	" 3½	" " "	" " 9 "	
.32 Ideal (4),	28 "	" 1	Rd. or Oct.	Oct. " 7 "	" 3 " 4
.32 Winchester (4),	28 "	" 1	" " "	" " 7 "	" 3 " 4
.32-40 (2),	30 "	" 3	" " "	" " 9 " 8 "	" 4 "
.38 Winchester (6),	28 "	" 1	" " "	" " 6 " 8 "	" 3 " 4
.38-55 (2),	30 "	" 3	" " "	" " 9 " 8 "	" 4 "
.44 Winchester (6),	28 "	" 1	" " "	" " 6 " 8 "	" 3 " 4
.45-70 Gov't (5),	30 "	" 3	" " "	" " 9 "	" 4 "
.45-90 Winchester (5),	30 "	" 3	" " "	" " 9 "	
.50-110 Express,	30 "	" 3	" " "	" " 9 "	
.50 Eley,	30 "	" 3	" " "	" " 8 " 6 "	

"Take-Down" Single Shot Rifles can be furnished with interchangeable barrels, the calibers having the same number in the above table interchanging with each other.

*Round barrels weigh several ounces less than octagon barrels.

When special barrel without slot for rear sight is wanted, an additional charge of \$1.00 will be made and no allowance for rear sight. The same charge will be made for changing the position of rear sight.

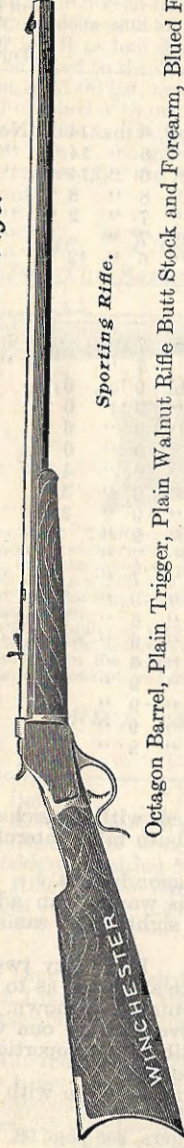
Barrels can be furnished up to 30 inches in length. For every two inches over the standard the charge is \$1.00. To accommodate all tastes as to weight, four sizes of barrels, numbered 1, 3, 3½, and 4, are furnished as shown. A No. 4 barrel will increase the weight of a .38 caliber rifle over that of one with the No. 3 barrel about one and one-half pounds—other calibers in proportion. An extra charge of \$2.00 will be made for Nos. 3½ and 4 barrels.

.22 and .25 caliber rifles will be accompanied without charge with a metal cleaning rod; other calibers with a slotted hickory rod.

For cost of replacing Plain Triggers with Set Triggers, see page 98.

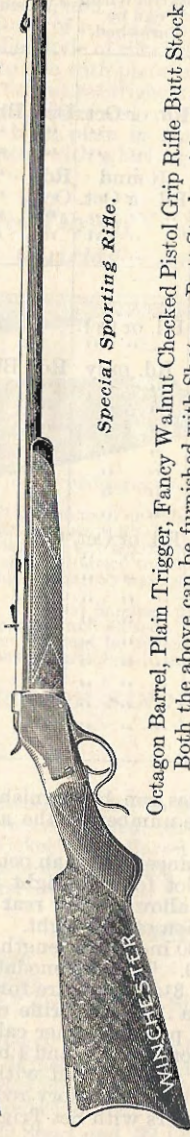
Winchester Single Shot Rifle.

Made In All Desirable Calibers From .22 To .50.



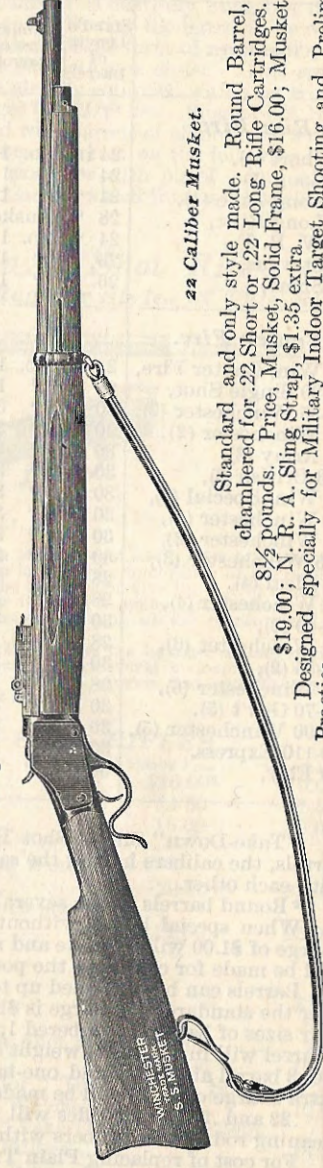
Sporting Rifle.

Octagon Barrel, Plain Trigger, Plain Walnut Rifle Butt Stock and Forearm, Blued Frame, \$16.00



Special Sporting Rifle.

Octagon Barrel, Plain Trigger, Fancy Walnut Checked Pistol Grip Rifle Butt Stock and Forearm, \$34.00
Both the above can be furnished with Shotgun Butt Stock, with either metal or rubber butt plate, at same price.



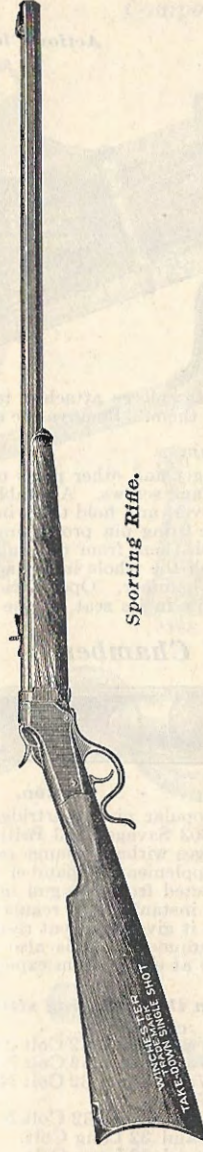
22 Caliber Musket.

Standard and only style made. Round Barrel, 28 inches long, chambered for .22 Short or .22 Long Rifle Cartridges. Weight about 8½ pounds. Price, Musket, Solid Frame, \$16.00; Musket "Take-Down," \$19.00; N. R. A. Sling Strap, \$1.35 extra.

Designed specially for Military Indoor Target Shooting and Preliminary Outdoor Practice.

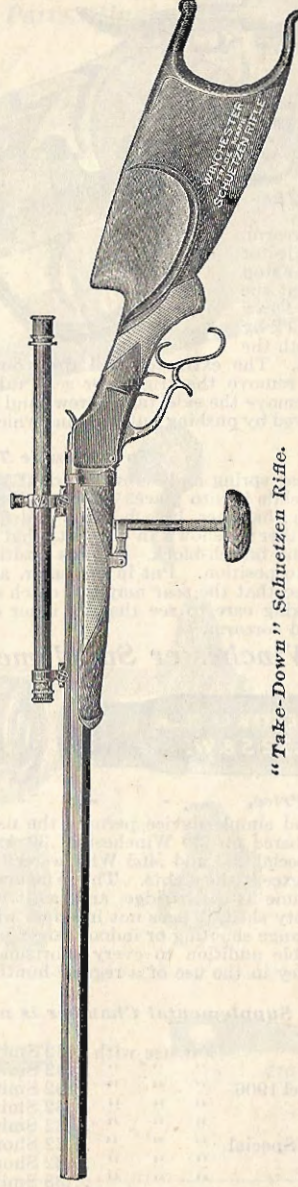
"Take-Down" Single Shot Rifle

Made In Same Calibers As Solid Frame Rifle.



Sporting Rifle.

"Take-Down," Octagon Barrel, Plain Walnut Stock, Rifle or Shotgun Butt Stock..... \$19.00



"Take-Down" Schuetzen Rifle.

"Take-Down," Octagon Barrel, 30 inches, No. 3, without Rear Sight Slot; Fancy Walnut Checked Pistol Grip Stock, New Schuetzen pattern with Cheek Piece; New Style Schuetzen Butt Plate, Checked Forearm, Schuetzen Double Set Trigger, Spur Finger Lever, and New Style Palm Rest which can be adjusted in length and angle without tools. Weight, about 12 pounds.

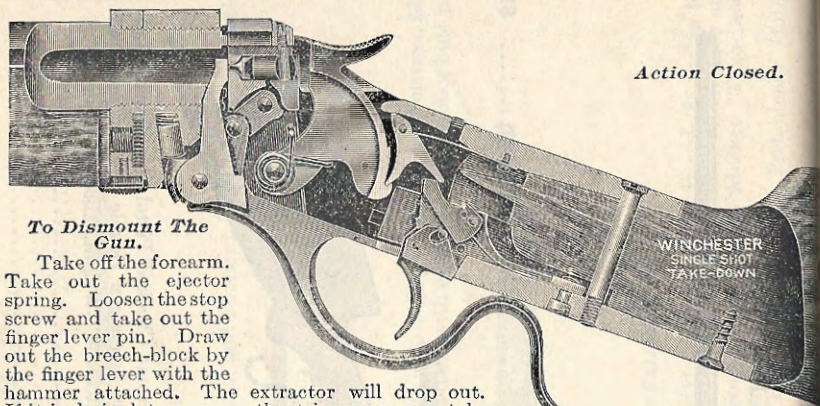
List Price of Rifle "Take-Down"..... \$62.00
List Price of Rifle Solid Frame..... 59.00
List Price of Telescope..... 29.00

SINGLE SHOT

SINGLE SHOT

**SINGLE
SHOT**

Winchester Single Shot Rifle System



Action Closed.

To Dismount The Gun.

Take off the forearm. Take out the ejector spring. Loosen the stop screw and take out the finger lever pin. Draw out the breech-block by the finger lever with the hammer attached. The extractor will drop out. If it is desired to remove the trigger or sear, take off the stock. Remove the side tang screws and tang; the pieces attached to the tang can then be removed by pushing out the pins which hold them. Remove the sear spring and screw.

To Assemble The Gun.

Replace the sear spring and screw. Mount the trigger and other parts of the lock on the tang, and slide it into place. Replace the side tang screws. Assemble together the hammer spring, hammer, breech-block, and finger lever, and hold them in the same relation to each other as shown in the cut; that is, the firing pin protruding, and the hammer against the breech-block. In this position push them from the under side of the gun partly into position. Put in extractor, and push the whole into place, holding back the trigger, so that the sear may not catch on the hammer. Open action, replace ejector spring, taking care to see that its inner end rests in its seat on the extractor. Replace stock and forearm.

Winchester Supplemental Chamber.



List Price, - - - - - \$0.60.

This handy and simple device permits the use of popular pistol cartridges in high power rifles chambered for .30 Winchester, .30 Army, .303 Savage, .303 British, .32-40, .32 Winchester Special, .35 and .405 Winchester Cartridges without change or readjustment of the rifle, except the sights. The Winchester Supplemental Chamber is inserted in the rifle, the same as a cartridge, and, as it is extracted from the gun in the same manner as an empty shell, it does not interfere with the instant use of regular ammunition. For short range shooting or indoor target practice it gives excellent results, which makes it a valuable addition to every sportsman's equipment. It is also an aid to attaining proficiency in the use of a regular hunting rifle at a minimum expenditure for ammunition.

The Winchester Supplemental Chamber is made in the following sizes:

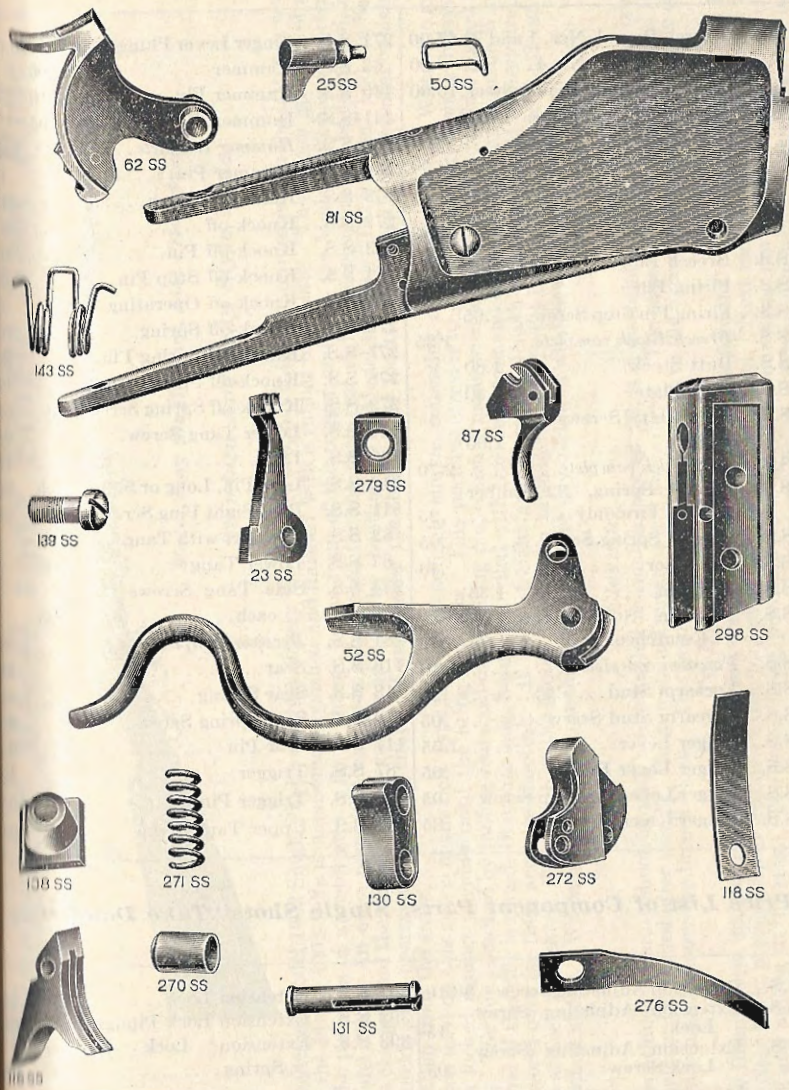
CALIBER	For use with	CARTRIDGES
.30 Winchester	" " "	.32 Smith & Wesson and .32 Colt New Police
.30 Army	" " "	.32 Smith & Wesson and .32 Colt New Police
.30 Gov't, Model 1906	" " "	.32 Smith & Wesson and .32 Colt New Police
.303 Savage	" " "	.32 Smith & Wesson.
.303 British	" " "	.32 Smith & Wesson and .32 Colt New Police
.32 Winchester Special	" " "	.32 Short Colt and .32 Long Colt.
.32-40	" " "	.32 Short Colt and .32 Long Colt.
.35 Winchester	" " "	.38 Smith & Wesson and .38 Colt New Police
.405 Winchester	" " "	.41 Short Colt and .41 Long Colt.

We recommend the use of smokeless powder cartridges with the Winchester Supplemental Chamber, as the black powder cartridges soon foul barrels having such quick twists as the above.

**PARTS
S. S.**

Winchester Single Shot Rifle.

Component Parts, Single Shot.



When ordering parts, *always give their name and number, also caliber* of rifle for which they are wanted. If possible, also *give number* of the rifle.

Winchester Single Shot Rifle

Price List Of Component Parts, Single Shot.

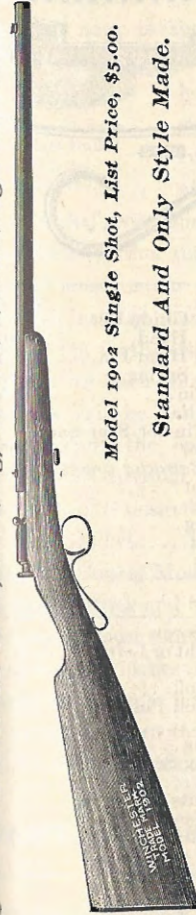
1 S.S. Barrel, Round, Nos. 1 and 3. \$7.00	271 S.S. Finger Lever Plunger Spring. \$0.
2 S.S. Barrel, Round, No. 4. 9.00	63 S.S. Hammer. \$0.90
4 S.S. Barrel, Round, Nickel Steel. 10.00	440 S.S. Hammer Fly.10
5 S.S. Barrel, Octagon, Nos. 1 and 3. 8.50	441 S.S. Hammer Fly Pin.05
6 S.S. Barrel, Octagon, No. 4. 10.50	62 S.S. Hammer complete. 1
11 S.S. Barrel, Round, Nickel Steel, No. 3½, .35 and .405 Calibers. 12.00	131 S.S. Hammer Pin.
298 S.S. Breech Block. \$1.00	143 S.S. Hammer Spring.
25 S.S. Firing Pin.30	272 S.S. Knock-off.
258 S.S. Firing Pin Stop Screw.05	273 S.S. Knock-off Pin.
21 S.S. Breech Block complete. 1.35	274 S.S. Knock-off Stop Pin.
30 S.S. Butt Stock. 1.80	275 S.S. Knock-off Operating Pin.
31 S.S. Butt Plate.80	276 S.S. Knock-off Spring.
32 S.S. Butt Plate Screws (2), each.05	277 S.S. Knock-off Spring Pin.
29 S.S. Butt Stock complete. 2.70	278 S.S. Knock-off Spring Screw.
50 S.S. Ejector Spring, .22 Caliber Rim Fire only.25	279 S.S. Knock-off Spring Screw Nut.
269 S.S. Ejector Spring Screw.05	144 S.S. Lower Tang Screw.
23 S.S. Extractor.40	130 S.S. Link.
58 S.S. Forearm. 1.35	212 S.S. Link Pin, Long or Short, each.
140 S.S. Forearm Stud Screw Escutcheon.05	511 S.S. Peep Sight Plug Screw.
280 S.S. Forearm complete. 1.40	82 S.S. Receiver with Tang. 6.90
138 S.S. Forearm Stud.15	83 S.S. Lower Tang. 1.00
139 S.S. Forearm Stud Screw.05	234 S.S. Side Tang Screws (2), each.05
52 S.S. Finger Lever. 1.65	81 S.S. Receiver complete. 7
56 S.S. Finger Lever Pin.05	116 S.S. Sear.
57 S.S. Finger Lever Pin Stop Screw.05	118 S.S. Sear Spring.
270 S.S. Finger Lever Plunger.05	119 S.S. Sear Spring Screw.
	117 S.S. Sear Pin.
	87 S.S. Trigger.
	88 S.S. Trigger Pin.
	91 S.S. Upper Tang Screw.

Price List of Component Parts, Single Shot "Take Down."

388 S.S. Extension Adjusting Screw. \$0.10	391 S.S. Extension Lock. \$0.
389 S.S. Extension Adjusting Screw Lock.15	392 S.S. Extension Lock Plunger.
390 S.S. Extension Adjusting Screw Lock Screw.05	393 S.S. Extension Lock Plunger Spring.

When ordering parts, *always give their name and number also caliber* of rifle for which they are wanted. If possible, also give *number* of the rifle.

Winchester Model 1902 Single Shot Rifle.
Designed To Handle .22 Short, .22 Long, And .22 Extra Long Rim Fire Cartridges.



Model 1902 Single Shot, List Price, \$5.00.

Standard And Only Style Made.

The Winchester Model 1902 Single Shot resembles closely the Model 1900, but it is an improvement on the latter in several details. The stock of the Model 1902 Rifle is handsomely polished and finished with a rubber butt plate. The trigger guard is of a new design and fulfills the purposes of a pistol grip. By a change in the form of the trigger and sear, the Model 1902 has a shorter trigger pull than the Model 1900. An open rear sight has been substituted for the peep rear sight (peep sights will be furnished, if so ordered, without extra charge) and the sights of every gun are adjusted by shooting. The Model 1902 is a "Take Down" and can be taken apart easily and quickly; the operation consisting simply of unscrewing the thumbscrew located underneath the forearm, which releases the barrel and action from the stock.

The action used on this gun is of the bolt type, and is exceedingly simple, consisting of very few parts. When the gun is cocked, the action is locked against opening until the firing pin falls. This permits carrying the gun cocked without liability of the action jarring open. The gun is cocked by pulling rearward on the firing pin, which is made with a nurlled head, to afford a good grip.

The barrel of this rifle is round, 18 inches long, bored and rifled with the same care and exactness that have made Winchester rifles famous the world over for their accurate shooting. It has a straight grip stock, the length of pull being 13½ inches; drop at comb, 1½ inches; drop at heel, 2¼ inches. The length of the Model 1902, from muzzle to butt, is 33½ inches. The Model 1902 can be furnished only as described above. We cannot fill orders for any variation whatsoever from the standard.

Cleaning.

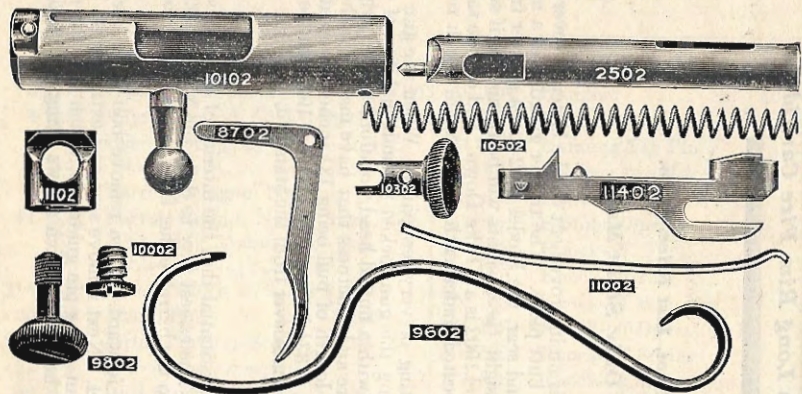
To get continued accurate shooting with a rifle having as small a bore as .22, it is essential that the interior of the bore should be carefully cleaned and oiled after using. The gun should never be put away dirty. The easiest way to clean the Model 1902 Rifle is to take it down and remove the breech-block. This permits unobstructed access to the barrel, either from the muzzle or breech.

To Dismount The Gun.

Unscrew thumbscrew underneath forearm and remove barrel by lifting a little forward. Then remove bolt from barrel by pulling bolt clear back, pressing upon sear and extractor, and pull bolt clear of barrel. Next remove sear and extractor by lifting out of barrel and pulling to the rear. To remove firing pin from bolt, first drive out firing pin guide pin, which is in the rear of the bolt, and remove firing pin. To remove firing pin spring, drive out firing pin head pin, which allows firing pin head to be removed, and then remove firing pin spring.

Winchester Single Shot Rifle.

Model 1902, Component Parts And Price List.



102	Barrel	\$3.45	2502	Firing Pin	\$0.60
3002	Butt Stock	\$1.45	10202	Firing Pin Guide Pin	.05
3102	Butt Plate	.20	10302	Firing Pin Head	.10
3202	Butt Plate Screws (2), each	.05	10402	Firing Pin Head Pin	.05
9602	Guard Bow	.25	10502	Firing Pin Spring	.10
9702	Guard Bow Screws (3), each	.05	10702	Friction Pin	.05
8702	Trigger	.20	11302	Bolt complete	\$1.70
8802	Trigger Pin	.05	10702	Friction Pin for Sear and Extractor	.05
9802	Stock Stud Screw	.05	11402	Sear and Extractor complete	.40
9902	Stock Stud Screw Stop	.05	10802	Front Sight	.20
10002	Stock Stud Screw Escutcheon	.10	10902	Rear Sight	.15
2902	Butt Stock complete	2.60	11002	Sear Spring	.05
10102	Bolt with Handle and Friction Pin	.75	11102	Stock Stud	.15

Component Parts Of Cannon.

404C	Axle	\$0.35	415C	Elevating Screw	\$0.05
405C	Axle Pins (2), each	.05	416C	Frame, Right or Left Side, each	1.00
406C	Axle Nuts (2), each	.10	63C	Hammer	.30
407C	Barrel	5.00	141C	Hammer Roll	.05
22C	Breech Bolt	1.00	142C	Hammer Roll Pin	.05
408C	Breech Bolt Handle	.05	417C	Lanyard	.10
409C	Breech Bolt Stop Pin	.05	70C	Main Spring	.15
410C	Breech Hinge	.60	71C	Main Spring Screw	.10
411C	Breech Hinge Pin	.05	418C	Tie Rod	.10
412C	Cross Bar	.25	419C	Tie Rod Nuts (2), each	.05
413C	Cross Bar Screws (2), each	.05	420C	Tie Rod Sleeve	.05
23C	Extractor	.30	421C	Trunnion Ring	.70
414C	Extractor Stop Screw	.05	422C	Wheels (2), each	.30

INTERCHANGEABLE BARRELS.

In fitting new interchangeable barrels to any of our take-down rifles or shotguns, except Model 1911, it is necessary for us to have the entire gun here at the factory (together with the extra barrel, if there be one), in order that we may properly breech up and fit the new barrel, and also make sure that the old one is readjusted to correspond with the new.

When ordering parts, *always give their name and number, also caliber* of rifle for which they are wanted. If possible, also give *number* of the rifle.

Winchester Automatic Rifle.

.22 Caliber.

Made For .22 Automatic Rim Fire Cartridges.

The Winchester Model 1903 is a ten-shot, automatic, hammerless, take-down rifle, using new, inexpensive rim fire cartridges, known as the .22 Automatic and the .22 Automatic, Hollow Point, loaded with Smokeless powder and Winchester Greaseless bullets. No other size of .22 caliber cartridges should be used in this rifle. True lovers of sport find this rifle very desirable for use in the open places upon moving game, such as ducks, geese, and small animals. With cartridges loaded with hollow point bullets the execution that it will do is truly remarkable, caliber considered. It is simple in construction and operation. After filling the magazine and throwing a cartridge into the chamber, all that it is necessary to do to shoot the ten cartridges that the magazine holds is to pull the trigger for each shot. The rifle can be shot as fast as the trigger can be pulled. The recoil from the exploded cartridge ejects the empty shell, cocks the hammer, and throws a fresh cartridge into the chamber. By means of a trigger lock, the trigger can be locked if desired so that the rifle can be carried with the hammer at full cock when loaded.



Smokeless Powder Greaseless Bullet 45 Grains. Per 1000, \$10.00.



Smokeless Powder Greaseless Bullet 45 Grains. Per 1000, \$10.50.

The Winchester Model 1903 Automatic Rifle is made with blued trimmings, a plain walnut stock and forearm, not checked, and a 20-inch round barrel fitted with open front and rear sights. The stock is 13 $\frac{3}{8}$ inches long; drop at comb, 1 $\frac{1}{4}$ inches; drop at heel, 2 $\frac{1}{8}$ inches; length of gun over all, 36 $\frac{1}{2}$ inches. Fancy walnut stocks and forearms and plain or fancy walnut pistol grip stocks, checked or unchecked, are the only variations from the standard gun that will be furnished, and they carry the same list prices as on other models.

PRICE LIST OF MODEL 1903 .22 CALIBER AUTOMATIC RIFLES.

Round Barrel, 20 inches long, Plain Trigger, Plain Walnut Stock and Forearm, not Checked, weight about 5 $\frac{3}{4}$ pounds,	\$25.00
Round Barrel, 20 inches long, Plain Trigger, Fancy Walnut Pistol Grip Stock and Forearm, Checked, weight about 6 pounds,	43.00
Gravity Charger, each,	.50
For Extras, see page 96.	

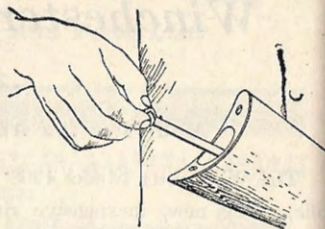
**MODEL
1903**

68

Winchester Automatic Rifle.

To Fill The Magazine.

Hold the gun muzzle down and turn the magazine plug, seated in depression in butt-plate, to the left, and draw out the magazine tube until magazine follower clears opening in stock. Drop the cartridges, bullet foremost, through opening in stock into the magazine. Push in the magazine tube and lock it by turning the magazine plug to the right.



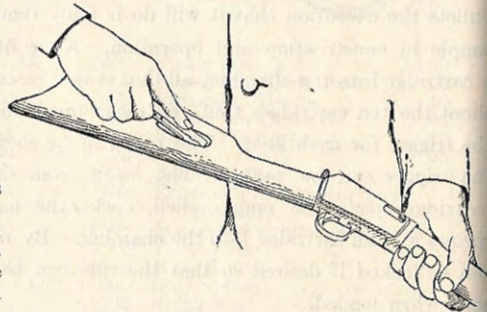
List Price, \$0.50.

To Load The Gun.

Push quickly back the operating sleeve, which projects from the forearm, and let it spring forward.



This cocks the hammer and throws a cartridge into the chamber. After this, the gun is loaded and cocked until the last charge is fired. Do not hold back on the trigger. Let it move forward after each shot.

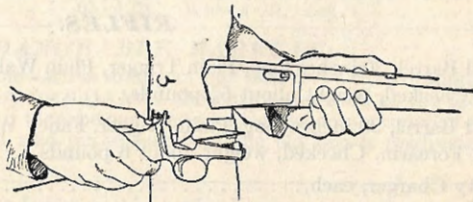
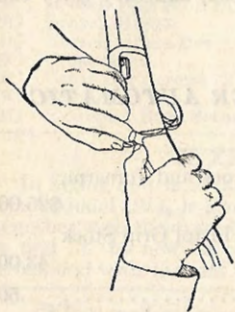


To Unload The Gun.

The magazine can be emptied without shooting, either by working the operating sleeve backward and forward with a quick and positive motion, or by withdrawing the magazine tube entirely from the gun, and pushing back the operating sleeve. If it is desired to remove the cartridge from the chamber, draw the magazine tube out until magazine follower clears opening in stock, and then push back the operating sleeve.

To Take Down The Gun.

Cock the gun by pushing in the operating sleeve. Press down the take-down screw lock, found under the take-down screw located at the rear of the receiver, and turn the take-down screw to the left until it is free from the receiver. Draw the barrel and forearm directly for-



ward. In cleaning the barrel, retract the bolt by pushing back the operating sleeve, and lock it by turning the tip. In cleaning the outside magazine cock the hammer and draw the cleaning rag through from the rear towards the mouth of the magazine.

Winchester Automatic Rifle, Model 1903.

"Take-Down," Made For .22 Automatic Rim Fire Cartridges.

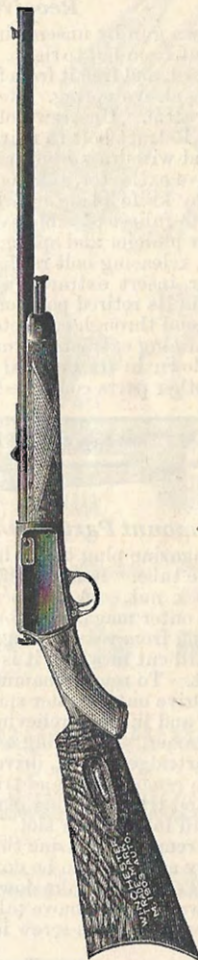


Plain Finished, Model 1903 Rifle.

Twenty Inch Round Barrel, Plain Trigger, Straight Grip Stock of Plain Walnut not Checked, Weight about 5½ pounds,.....\$25.00

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**MODEL
1903**



Fancy Finished, Model 1903 Rifle.

Twenty Inch Round Barrel, Plain Trigger, Pistol Grip Stock and Forearm of Fancy Walnut Checked, Weight about 6 pounds, \$43.00

MODEL
1903

70

Winchester Automatic Rifle.



Action Closed.

To Dismount Parts Attached To The Receiver.

Take down gun by unscrewing take-down screw. Note that all pins are driven out from left to right. Remove forearm tip screws. Draw forearm tip forward, and free it from forearm tip tenon together with operating sleeve. Remove operating sleeve spring. Remove forearm tip tenon, driving from right to left. Remove forearm. Unscrew bolt guide rod and draw it forward out of bolt. Remove bolt spring. Retract bolt to rear of receiver and lift rear end of bolt away from top of receiver and withdraw from receiver. Remove ejector screw and drive ejector to rear. To remove extractor, take out extractor plunger stop screw; insert thin instrument such as a knife blade between extractor and extractor plunger; retract extractor plunger to fullest possible extent, and then extractor may be lifted out. Remove the extractor plunger and spring. To remove firing pin and bolt roll, drive out firing pin stop pin, releasing bolt roll. Withdraw firing pin and firing pin spring. To replace extractor, insert extractor spring and plunger in extractor spring hole and retain plunger in its retired position by means of pin or other small article, pressing on its forward end through extractor slot. Insert extractor until it rests upon the pin which is maintaining extractor plunger in retired position. Withdraw pin and push extractor down in its original position. Replace extractor plunger stop screw. Assemble other parts contained in receiver in reverse order.



Action Open.

To Dismount Parts Attached To The Tang.

Turn magazine plug to the left and withdraw inner magazine tube. Remove butt plate screws and butt plate. Unscrew butt stock nut. (A split screw-driver is necessary for this in order to straddle outer magazine tube.) Take off butt stock. Withdraw trigger lock plunger and spring from rear of tang. To remove magazine friction spring, drive forward out of dovetail cut in which it is seated, using the small hole in the spring base as a driving point. To remove hammer, allow hammer to assume its forward or dropped position. Drive out hammer spring abutment pin and turn hammer spring abutment to one side and lift out, relieving strain on hammer spring. Drive out hammer pin, and slide hammer, with spring and hammer spring guide rod attached, forward. To remove cartridge cut-off, drive out pin, and cartridge cut-off with spring can be lifted out. To remove sear and trigger, drive out trigger pin and withdraw trigger through guard, and trigger spring may be withdrawn from its seat in rear of tang by forcing it forward into trigger slot. Push out trigger lock from either side. It is not advisable to remove magazine throat from tang, as these parts are put together so snugly that they are liable to be damaged unless proper appliances are at hand for removing them. To remove take-down screw lock and spring, drive out stop pin in shank of take-down screw, remove take-down screw, drive out take-down screw lock pin, and withdraw take-down screw lock and spring.

To Assemble Parts In Tang.

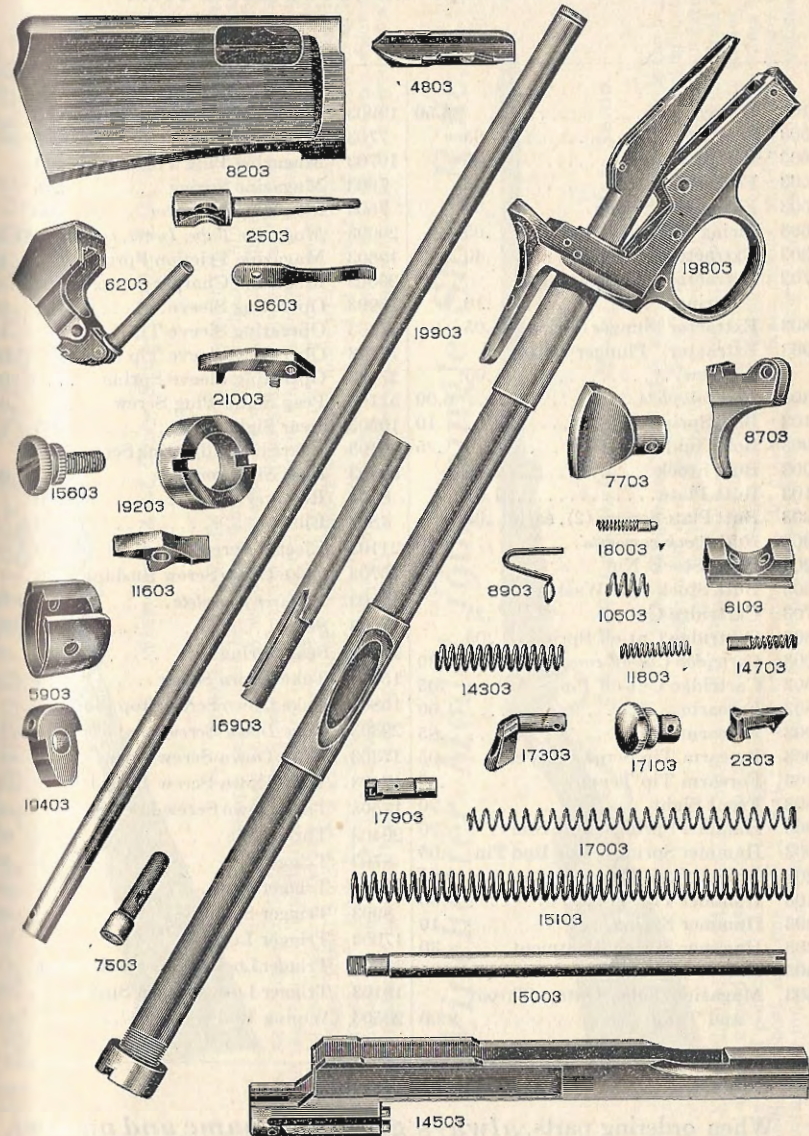
Replace take-down screw lock and spring, and drive in take-down screw lock pin, holding take-down screw lock in the tang. Insert take-down screw and replace take-down screw stop pin, replace cartridge cut-off and trigger spring. Replace trigger lock with the letter "L" on the lower right hand side; replace trigger and sear, taking care that sear spring is properly seated in sear. Slip hammer with spring and hammer spring guide rod attached over throat as far to the rear as possible, maintaining meanwhile a rearward draught on sear so that base of hammer may pass well back on top of sear. While hammer is in this rearward position, slip in hammer spring abutment, and replace hammer spring abutment pin. In placing hammer spring abutment, it should be noted that the larger side of the hole for passage of the hammer spring guide rod should be on forward side. Press base of hammer forward and align hammer pin hole with its opening in the tang, entering hammer spring guide rod through hole in hammer spring abutment, and replace hammer pin. Replace trigger lock plunger and spring. Replace butt stock.

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PARTS
1903

Winchester Automatic Rifle.

Component Parts, Model 1903.



When ordering parts, always give their name and number, also caliber of rifle for which they are wanted. If possible, also give number of the rifle.

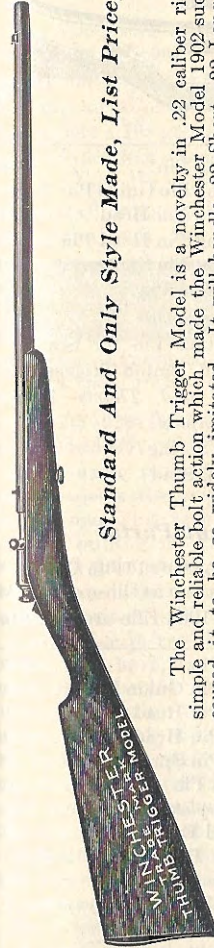
Winchester Automatic Rifle

Price List Of Component Parts, Model 1903.

103	Barrel.....	\$6.50	19903	Magazine Tube, Inner....	\$0.65
14503	Bolt.....	\$4.65	7703	Magazine Plug.....	.45
14603	Bolt Roll.....	.05	19703	Magazine Plug Pin.....	.05
2503	Firing Pin.....	.65	7603	Magazine Spring.....	.15
10503	Firing Pin Spring.....	.05	7503	Magazine Follower.....	.05
2603	Firing Pin Stop Pin.....	.05	20003	Magazine Tube, Inner, complete.....	\$1.35
2303	Extractor.....	.40	19603	Magazine Friction Spring.....	.10
14703	Extractor Plunger and Spring.....	.10	20603	Magazine Charger complete.....	.50
14803	Extractor Plunger Spring.....	.05	16903	Operating Sleeve.....	.70
14903	Extractor Plunger Stop Screw.....	.05	17103	Operating Sleeve Tip.....	.15
11303	Bolt complete.....	6.00	17203	Operating Sleeve Tip Pin.....	.05
15103	Bolt Spring.....	.10	17003	Operating Sleeve Spring.....	.05
15003	Bolt Guide Rod.....	.25	51103	Peep Sight Plug Screw.....	.05
3003	Butt Stock.....	2.50	10903	Rear Sight.....	.55
3103	Butt Plate.....	1.00	20103	Rear Sight Adjusting Screw.....	.05
3203	Butt Plate Screws (2), each.....	.05	20203	Rear Sight complete.....	.60
2903	Butt Stock complete.....	3.60	8203	Receiver.....	7.00
19203	Butt Stock Nut.....	.15	4803	Ejector.....	.50
19303	Butt Stock Nut Washer.....	.05	21103	Ejector Screw.....	.05
20703	Cartridge Cut-off.....	.25	15703	Take Down Screw Bushing.....	.20
20803	Cartridge Cut-off Spring.....	.05	8103	Receiver complete.....	7.75
21003	Cartridge Cut-off complete.....	.30	11603	Sear.....	.30
20903	Cartridge Cut-off Pin.....	.05	11803	Sear Spring.....	.05
5803	Forearm.....	1.00	15603	Take Down Screw.....	.15
5903	Forearm Tip.....	.85	15803	Take Down Screw Stop Pin.....	.05
6003	Forearm Tip Screws (2), each.....	.05	20303	Take Down Screw complete.....	.20
6103	Forearm Tip Tenon.....	.20	17303	Take Down Screw Lock.....	.60
10803	Front Sight.....	.20	17403	Take Down Screw Lock Pin.....	.05
15903	Hammer Spring Guide Rod.....	.20	17503	Take Down Screw Lock Spring.....	.05
16003	Hammer Spring Guide Rod Pin.....	.05	20403	Throat Pin.....	.05
6203	Hammer complete.....	2.25	8703	Trigger.....	.50
13103	Hammer Pin.....	.05	8803	Trigger Pin.....	.05
14303	Hammer Spring.....	.10	8903	Trigger Spring.....	.10
19403	Hammer Spring Abutment.....	.30	17903	Trigger Lock.....	.20
19503	Hammer Spring Abutment Pin.....	.05	18003	Trigger Lock Plunger and Spring.....	.10
19803	Magazine Tube, Outer, Throat and Tang.....	8.00	18103	Trigger Lock Plunger Spring.....	.05
			20503	Wiping Rod (Special).....	.15

When ordering parts, *always give their name and number, also caliber* of rifle for which they are wanted. If possible, also give *number* of the rifle.

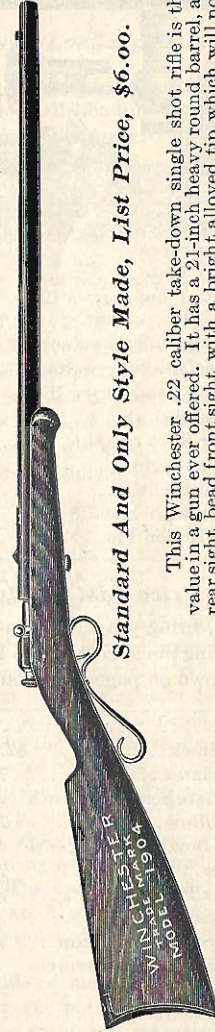
Winchester Thumb Trigger Single Shot Rifle.



Standard And Only Style Made, List Price, \$3.50.

The Winchester Thumb Trigger Model is a novelty in .22 caliber rifles. It has the same simple and reliable bolt action which made the Winchester Model 1902 such a popular gun and caused it to be so widely imitated. It will handle .22 Short, .22 Long and .22 Extra Long rim-fire cartridges. As its name indicates, the trigger, which is located on the upper side of the grip at the rear of the bolt, is operated by pressing down with the thumb. Simplicity and quickness of action are features of the Thumb Trigger. It is also claimed that it is an aid to accurate shooting, as the shooter is not so apt to throw the gun off the object aimed at in pressing down the trigger as when pulling it in the old way. The Thumb Trigger Model is made with a rebounding lock. It is a take-down and is made with an 18-inch round barrel, and has a 13½-inch highly finished straight grip stock, having a drop at comb of 1¼ inches, and a drop at heel of 2½ inches. The length of the Thumb Trigger Model from muzzle to butt is 33½ inches, and it weighs about three pounds. It is furnished with an open rear sight and with a Winchester patented front sight having a bright alloyed tip which will not tarnish. The sights are accurately set by shooting at a target.

Winchester Model 1904 Single Shot Rifle.



Standard And Only Style Made, List Price, \$6.00.

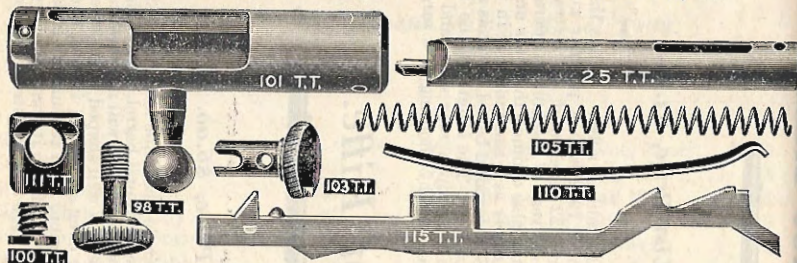
This Winchester .22 caliber take-down single shot rifle is the biggest value in a gun ever offered. It has a 21-inch heavy round barrel, adjustable rear sight, bead front sight, with a bright alloyed tip which will not tarnish, 13½ inches long, with a blued steel rifle butt-plate. A well shaped blued steel trigger guard affords a good grip and adds to the attractive appearance of the gun. The length of the gun over all is 36¼ inches, and its weight is about 4 pounds. The gun is made with the popular and widely imitated Winchester bolt action, with rebounding lock, and will handle .22 Long, .22 Short, and .22 Extra Long rim-fire cartridges. In appearance, balance, outline, and finish it compares very favorably with many much higher priced guns. The sights are accurately set by shooting at a target. See page 65 for instructions for dismounting and cleaning.

Parts
Thumb Trigger
1904

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Winchester Single Shot Rifles

Thumb Trigger, Component Parts And Price List.



1 T.T. Barrel.....	\$2.50	25 T.T. Firing Pin.....	\$0.60
30 T.T. Butt Stock.....	\$1.00	102 T.T. Firing Pin Guide Pin..	.05
31 T.T. Butt Plate.....	.20	103 T.T. Firing Pin Head.....	.10
32 T.T. Butt Plate Screws (2), each.....	.05	104 T.T. Firing Pin Head Pin..	.05
98 T.T. Stock Stud Screw.....	.05	105 T.T. Firing Pin Spring.....	.10
99 T.T. Stock Stud Screw Stop.....	.05	107 T.T. Friction Pin.....	.05
100 T.T. Stock Stud Screw Escu- techeon.....	.10	113 T.T. Bolt complete.....	\$1.00
29 T.T. Butt Stock complete.....	1.50	107 T.T. Friction Pin for Sear and Thumb Trigger	.05
108 T.T. Front Sight.....	.20	115 T.T. Sear and Thumb Trigger complete.....	.40
109 T.T. Rear Sight.....	.15	110 T.T. Sear Spring.....	.00
101 T.T. Bolt with Handle and Friction Pin.....	.75	111 T.T. Stock Stud.....	.10

Price List of Model 1904 Component Parts.

The bolt, firing pin, firing pin head, sear and extractor, sear spring, trigger, stock stud, and firing pin spring of the Model 1904 rifle are the same as those of the Model 1902 rifle shown on page 66. Parts special to the Model 1904 rifle are listed below.

104 Barrel.....	\$4.50	2504 Firing Pin.....	\$0.60
3004 Butt Stock.....	\$2.00	10204 Firing Pin Guide Pin.....	.05
3104 Butt Plate.....	.60	10304 Firing Pin Head.....	.10
3204 Butt Plate Screws (2), each	.05	10404 Firing Pin Head Pin.....	.05
9604 Guard Bow.....	.30	10504 Firing Pin Spring.....	.10
9704 Guard Bow Screws (3), each	.05	10704 Friction Pin.....	.05
8704 Trigger.....	.20	11304 Bolt complete.....	\$1.00
8804 Trigger Pin.....	.05	10604 Sear and Extractor.....	.35
9804 Stock Stud Screw.....	.05	10704 Friction Pin for Sear and Extractor.....	.05
9904 Stock Stud Screw Stop.....	.05	11404 Sear and Extractor complete.....	.40
10004 Stock Stud Screw Escutech- eon.....	.10	10804 Front Sight.....	.20
2904 Butt Stock complete.....	3.60	10904 Rear Sight.....	.00
10104 Bolt with Handle and Friction Pin.....	.75	11004 Sear Spring.....	.00
		11104 Stock Stud.....	.10

When ordering parts, *always give their name and number, also caliber* of rifle for which they are wanted. If possible, also give *number* of the rifle.

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MODEL
1905

Winchester Self-Loading Rifle.

Model 1905.

Made For .32 And .35 Winchester Self-Loading Cartridges.

The Winchester Model 1905 Self-Loading Rifle is a hammerless take-down, made in .32 and .35 calibers. It was the first rifle of the Self-Loading type made for center fire ammunition, the cartridges it handles being of the modern smokeless powder type, using metal patched bullets. The .32 caliber shoots a 165-grain bullet and gives a velocity of 1392 foot seconds and a penetration of 17 3/4-inch dry pine boards with a full metal patched bullet, and 10 boards with a metal patched soft point bullet. The .35



Soft Point or Full Metal Patched.
List Price, per 1000, \$27.00.



Soft Point or Full Metal Patched.
List Price, per 1000, \$27.50.

caliber shoots a 180-grain bullet and gives a velocity of 1396 foot seconds and a penetration of 17 3/4-inch dry pine boards with a full metal patched bullet, and a penetration of 9 boards with a metal patched soft point bullet, at the standard testing distance of 15 feet from the

muzzle. As these figures show, both cartridges give excellent penetration, and with metal patched soft point bullets they have great shocking effect on animal tissue.

As its name indicates, this rifle is self-loading. The recoil of the exploded cartridge ejects the empty shell, cocks the hammer and feeds a fresh cartridge from the magazine into the chamber, leaving the rifle ready to shoot upon the operator's pulling the trigger. By means of the trigger lock, the trigger can be locked if desired, so that the rifle can be carried with the hammer at full cock when loaded. The magazine is of the box type and holds five cartridges. Extra length magazines holding ten cartridges are also made for this rifle. By inserting a cartridge in the chamber before placing the loaded magazine in the gun, the operator can have an additional shot at his disposal. If rapid reloading is desired, extra loaded magazines can be carried in the pocket, ready to replace an exhausted magazine in the rifle. The operation of this rifle should not be confounded with that of machine guns, which will reload and fire to the extent of their magazine capacity without stopping when the trigger is held back. In using the Winchester Self-Loading Rifle, it is absolutely necessary to pull the trigger for each shot, which places its operation as completely under the control of the operator as that of any repeating rifle. The operation of this rifle is simple and easily understood. The working parts are few and strong, and, as there is nothing complicated in its construction, it is not apt to get out of order when used with ordinary care.

The Winchester Model 1905 Self-Loading Rifle is made with blued trimmings and a plain walnut pistol grip stock and forearm not checked. The barrel is round, 22 inches long, and is fitted with Sporting front and rear sights. Octagon or half octagon barrels, or barrels longer than 22 inches, cannot be furnished for this rifle. The stock is 13 3/4 inches long and finished with a composition rubber butt plate; drop at comb, 1 3/8 inches; drop at heel, 2 1/2 inches; length of gun over all, 39 3/4 inches. Fancy walnut stocks and forearms, plain or fancy walnut pistol grip stocks checked, and stocks having special length or drop can be furnished for this gun when so ordered. For Extras, see page 96.

**MODEL
1905**

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Winchester Self-Loading Rifle.

Price List .32 Or .35 Caliber.

- Round Barrel, 22 inches long, Plain Trigger, Plain Walnut Pistol Grip Stock and Forearm, not Checked, weight about 7½ pounds \$26.00
- Round Barrel, 22 inches long, Plain Trigger, Fancy Walnut Pistol Grip Stock and Forearm, Checked, weight about 8 pounds 44.00
- Extra Magazines, Complete, each 1.50
- Extra Magazines, Holding 10 Cartridges, Complete, each (see page 80) 3.50

Instructions For Using Model 1905 Self-Loading Rifles.



RIFLE TAKEN DOWN.

To Take Down The Gun.

Cock the gun by pushing in the operating sleeve. Press down the take-down screw lock, found under the take-down screw, located at the rear of the receiver, and turn the take-down screw to the left until it is free from the receiver. Draw the barrel and forearm directly forward. In cleaning the barrel, retract the bolt by pushing back the operating sleeve and lock it in that position by turning the tip either to the right or left.

To Detach The Magazine.

Press inward on the magazine lock, found on the right-hand side of the forward end of the guard, and pull out the magazine. The action should always be closed before replacing the magazine in the gun.

To Fill The Magazine.

Detach the magazine from the gun. Press the head of the cartridge on the magazine follower, or preceding cartridge, immediately forward of the curved lips of the magazine. Press the cartridge down and back under the magazine lips until it slides into the magazine.

To Load The Gun.

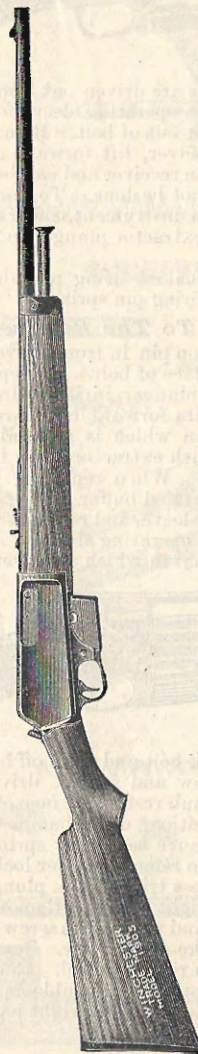
Push back the operating sleeve, which projects from the forearm, and let it spring forward. This cocks the hammer and throws the cartridge into the chamber. After this, the gun is loaded and cocked until the last cartridge is fired.

To Unload The Gun.

The magazine can be emptied without shooting, either by working the operating sleeve backward and forward with a quick and positive motion, or by detaching the magazine from the gun and removing the cartridges from it. After removing the magazine, always push back the operating sleeve to make sure that a cartridge has not been left in the chamber. Never leave a cartridge in the chamber when through using the gun.

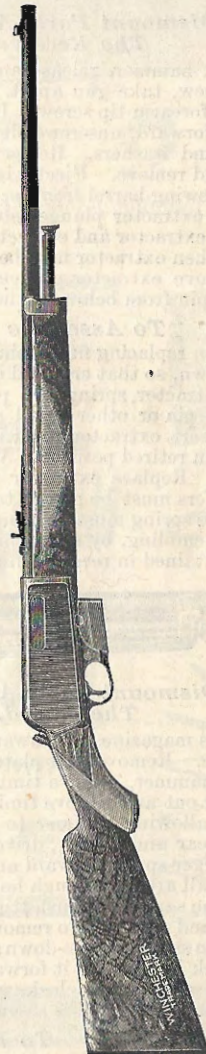
Winchester Self-Loading Rifle, Model 1905.

"Take Down." Made For .32 And .35 Caliber Winchester S. L. Cartridges.



Plain Finished, Model 1905 Rifle.

Twenty-two Inch Round Barrel, Plain Trigger, Pistol Grip Stock of Plain Walnut not Checked, Weight about 7½ pounds, Magazine Capacity 5, \$26.00



Fancy Finished, Model 1905 Rifle.

Twenty-two Inch Round Barrel, Plain Trigger, Pistol Grip Stock and Forearm of Fancy Walnut, Checked, Weight about 8 pounds, Magazine Capacity 5, \$44.00

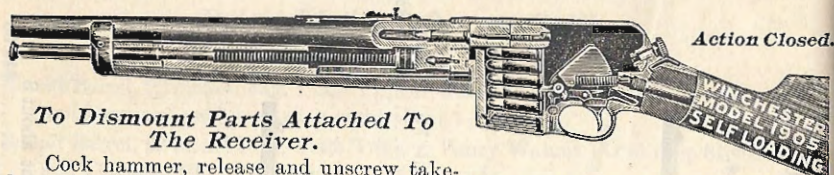
**MODEL
1905**

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**MODEL
1905**

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Winchester Self-Loading Rifle.



Action Closed.

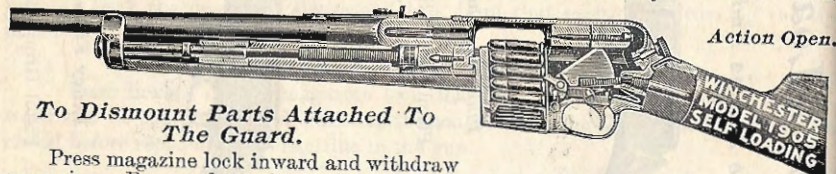
To Dismount Parts Attached To The Receiver.

Cock hammer, release and unscrew take-down screw, take gun apart. Note that all pins are driven out from left to right. Remove forearm tip screw. Draw forearm tip with operating sleeve forward. Draw forearm forward, unscrew bolt guide rod and draw it out of bolt. Remove bolt spring, buffers and washers. Retract bolt to rear of receiver, lift forward end away from barrel and remove. Ejector is permanently fixed in receiver and can be removed only by unscrewing barrel from receiver. This should not be done. To remove extractor: take out extractor plunger stop screw, insert thin instrument, such as knife blade, between extractor and extractor plunger, retract extractor plunger to fullest possible extent, then extractor may be lifted out.

Remove extractor plunger and spring. To remove firing pin, drive out firing pin stop pin from below, withdraw firing pin and firing pin spring.

To Assemble Parts Attached To The Receiver.

When replacing firing pin, drive firing pin stop pin in from above with flat end of pin down, so that crowned end is below top surface of bolt. To replace extractor, insert extractor spring and plunger, and retain plunger in its retired position by means of pin or other small article, pressing on its forward end through extractor slot. Insert extractor until it rests upon the pin which is maintaining extractor plunger in retired position. Withdraw pin and push extractor down into its original position. Replace extractor plunger stop screw. When replacing bolt note that fiber buffers must be placed together between the steel buffer washers. The operating sleeve spring must be compressed in operating sleeve, and retained in this position while assembling, by a pin through hole in side of operating sleeve. Assemble other parts contained in receiver in reverse order from that in which they were dismounted.



Action Open.

To Dismount Parts Attached To The Guard.

Press magazine lock inward and withdraw magazine. Remove butt plate, unscrew butt stock bolt and take off butt stock. To remove hammer, remove timing lever spring screw and spring, drive hammer pin part way out and remove timing lever. With thumb resting on face of hammer, pull trigger, allowing hammer to assume forward position, drive hammer pin out. To remove sear and trigger, drive out trigger pin, remove sear, sear spring and trigger, push trigger spring forward and out from rear. To remove trigger lock, insert pin or other small article through hole in trigger lock, press trigger lock plunger downward, and at the same time push trigger lock out from right to left. Remove trigger lock plunger and spring. To remove take-down screw and take-down screw lock, drive out stop pin in shank of take-down screw, and remove take-down screw. Remove take-down screw lock by pushing it forward and upward from rear of guard. Remove magazine lock screw, magazine lock, and magazine lock spring. Assemble in reverse order. Note that trigger lock is assembled with letter L down and on right hand side of gun.

To Dismount The Magazine.

Push down on extreme rear end of follower until front end can be lifted out. Then push spring down with screw driver, and slide follower forward and out.

To Assemble The Magazine.

Replace spring with large portion down, and with cut-off end toward rear. Hold spring down and slip follower under magazine lips and push extreme rear end of follower down until forward end slips into position.

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Winchester Self-Loading Rifle.

**PARTS
1905**

Component Parts, Model 1905.



When ordering parts, *always give their name and number, also caliber* of rifle for which they are wanted. If possible, also give *number* of the rifle.

PARTS 1905

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Winchester Self-Loading Rifle.

Price List Of Component Parts, Model 1905.

105	Barrel	\$8.00	16105	Magazine	\$0.80
14505	Bolt	\$7.00	7605	Magazine Spring	.20
2305	Extractor	.40	7505	Magazine Follower	.40
14705	Extractor Plunger and Spring	.10	16205	Magazine Follower Roll	.05
14805	Extractor Plunger Spring	.05	16305	Magazine Follower Roll Pin	.05
14905	Extractor Plunger Stop Screw	.05	18905	Magazine, .35 Caliber, complete	\$1.50
2505	Firing Pin	.65	16605	Magazine Lock	.50
10505	Firing Pin Spring	.05	16705	Magazine Lock Screw	.05
2605	Firing Pin Stop Pin	.05	16805	Magazine Lock Spring	.05
11305	Bolt complete	8.30	16905	Operating Sleeve	.75
15005	Bolt Guide Rod	.35	17005	Operating Sleeve Spring	.10
15105	Bolt Spring	.15	17105	Operating Sleeve Tip	.15
15205	Buffers (2), each	.10	17205	Operating Sleeve Tip Pin	.05
15305	Buffer Washers (2), each	.05	19005	Operating Sleeve Tip complete	.20
3005	Butt Stock	2.40	51105	Peep Sight Plug Screw	.05
3105	Butt Plate	.50	8205	Receiver	8.25
3205	Butt Plate Screws (2), each	.05	13605	Guard with Shank	5.25
2905	Butt Stock complete	3.00	13705	Guard Shank	.25
15405	Butt Stock Bolt	.30	4805	Ejector	.50
15505	Butt Stock Bolt Washer	.05	15605	Take Down Screw	.30
18705	Butt Stock Bolt complete	.35	15705	Take Down Screw Bushing	.15
5805	Forearm	1.00	15805	Take Down Screw Stop Pin	.05
5905	Forearm Tip	1.40	8105	Receiver complete	14.50
6005	Forearm Tip Screw	.05	11605	Sear	.30
13105	Hammer Pin	.05	11805	Sear Spring	.05
14305	Hammer Spring	.10	17305	Take Down Screw Lock	.40
15905	Hammer Spring Guide Rod	.20	17605	Timing Lever	.50
16005	Hammer Spring Guide Rod Pin	.05	17705	Timing Lever Spring	.10
6205	Hammer complete	1.25	17805	Timing Lever Spring Screw	.05
16105	Magazine	.75	8705	Trigger	.85
7605	Magazine Spring	.25	17905	Trigger Lock	.25
7505	Magazine Follower	.40	18005	Trigger Lock Plunger	.05
16205	Magazine Follower Roll	.05	18105	Trigger Lock Plunger Spring	.05
16305	Magazine Follower Roll Pin	.05	19105	Trigger Lock Plunger complete	.10
18805	Magazine, .32 Caliber, complete	1.50	8805	Trigger Pin	.05
			8905	Trigger Spring	.10

When ordering parts, *always give their name and number, also caliber* of rifle for which they are wanted. If possible, also give *number* of the rifle.



10 Shot Magazines.

For Winchester .32 And .35 Caliber Self-Loading Rifles.

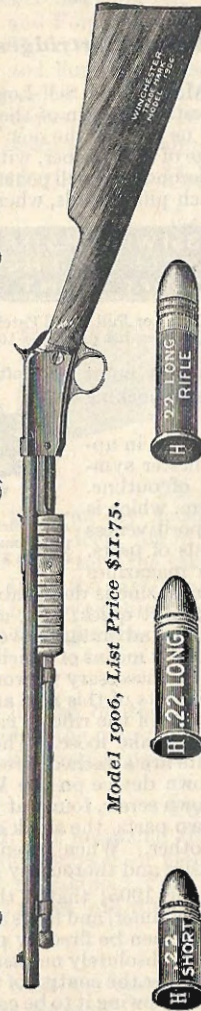
By the use of a 10-shot magazine, now furnished for Winchester .32 and .35 caliber Self-Loading rifles, the number of shots which can be fired without refilling or substituting another magazine is doubled. For hunting, these 10-shot magazines will be found exceedingly effective. They can be used in .32 and .35 caliber Winchester Self-Loading rifles without any readjustment of the arm. When ordering, be sure to specify the caliber wanted. List price each, \$3.50.

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MODEL 1906

Winchester Repeating Rifle, Model 1906.

Extra Light Weight. For .22 Short, .22 Long, And .22 Long Rifle Rim Fire Cartridges.



Model 1906, List Price \$17.75.

The Winchester Model 1906 is a compact, light weight, take-down rifle, handling .22 Short, .22 Long, and .22 Long Rifle Rim Fire Cartridges. It is attractive in appearance and outline, and in accuracy, reliability of operation, and finish it is fully up to the established Winchester standard. The repeating and take-down systems used in this rifle are simple, positive, and thoroughly tried, having always given entire satisfaction. This rifle is made with a 20-inch round barrel fitted with a sporting front sight and an adjustable open rear sight. It measures 35 1/2 inches over all and weighs about 5 pounds; has a handsome straight grip stock 12 1/4 inches long, with a drop at comb of 1 1/4 inches and at heel of 2 1/4 inches, finished with a composition rubber butt plate. The magazine holds 15 .22 Short and 12 .22 Long or 11 .22 Long Rifle Cartridges. Model 1906 rifles can be furnished only according to the above specifications.

Parts special to Model 1906 rifles list as follows:

35406	Action Slide Handle Escutcheons (2), each	\$.05	13206	Carrier Lever Pin	\$.10
36506	Action Slide Handle complete	\$.045	13506	Carrier Lever Pin	.05
106	Barrel	5.00	13306	Carrier Lever Spring	.05
3006	Butt Stock	1.25	13406	Carrier Lever Spring Screw	.05
			25906	Trigger Stop Pin	.05
			3306	Carrier complete	\$1.30
8106	Butt Plate	\$.20			
3206	Butt Plate Screws (2), each	.05			
2506	Butt Stock complete	\$1.55			
3406	Carrier	.90			
4506	Cartridge Stop	.05			
24006	Cartridge Stop Pin	.05			

The other parts for this rifle are the same as for the Model 1890. See page 31.

To Take Down The Gun.

Turn out the assembling screw (a stop pin prevents its dropping out); hold the arm by the barrel, with the left side down, and pull the stock from the barrel.

Put the gun together in the same position, first letting down the hammer and pushing the breech-piece to its most forward position.

Cleaning.

It will not be found necessary to clean the action of this gun, unless it has had extraordinary usage. When the gun is open the front of the breech-block may be wiped clean of grease, and when taken down the carrier can be cleaned. This is all that will be found necessary to do to the action. The barrel should never be left dirty. In calibers as small as the .22 too much care cannot be taken in keeping the barrel clean. A metal cleaning rod accompanies each gun. See page 112.

Winchester Self-Loading Rifle.

Model 1907.

Made For .351 Winchester Self-Loading Cartridges.

The great success achieved by the Winchester Model 1905 Self-Loading Rifle, made in .32 and .35 calibers, resulted in many requests for a gun of the same type adapted to a more powerful cartridge. This has led us to offer the new Winchester High Power Model 1907. This rifle shoots a cartridge of .351 caliber, with 180 grain bullet, having a velocity at muzzle of 1861.2 feet per second. It will penetrate a steel plate one quarter of an inch thick or twenty-six $\frac{7}{8}$ -inch pine boards, when used with metal patched bullets; and thirteen $\frac{7}{8}$ -inch pine boards, when used with soft point bullets. This cartridge belongs to the high-power smokeless powder type and represents the latest development in cartridge manufacture and in powder, the combustion of the powder being complete.



.351 Soft Point or Full Metal Patched Smokeless Powder, list price, per 1000, \$32.00.

.351 Soft Point Bullet.



Before firing.

As the illustrations show, the soft point bullet mushrooms well, giving great shocking effect upon animal tissue.

The new rifle is neat and attractive in appearance, having the usual Winchester symmetry, compactness, and beauty of outline.

It has the Winchester Model 1905 Self-Loading system, which is simple and strong and has demonstrated its absolute positiveness and durability during four years' service in the hands of users. The magazine holds five cartridges. Extra length magazines holding ten cartridges are made for this rifle. The magazine is detachable and can be inserted in the rifle when the bolt is closed, making it quick, safe, and handy. The detachable magazine in a rifle of this type has many advantages over the fixed magazine. It permits carrying extra loaded magazines, by means of which rapid and continuous fire can be maintained, and also makes it unnecessary to work the cartridges through the rifle in unloading. The working parts of this rifle are few and strong. There are no moving projections on the outside of the rifle to catch in the clothing or tear the hands, and no screws or pins to shake loose. The barrel is stationary, like that of an ordinary rifle, and the sights are attached directly to the barrel, which is essential for accuracy. The take-down device on the Winchester Model 1907 is simplicity itself. By giving the take-down screw, found at the rear of the receiver, a few turns, the rifle is separated into two parts, the stock and action being in one part and the barrel and receiver in the other. When taken down the exposed working parts are all accessible and can be easily and thoroughly cleaned.

The mode of operation is the same as that of the Model 1905; that is, the recoil of the exploded cartridge ejects the empty shell, cocks the hammer, and feeds a fresh cartridge from the magazine into the chamber, which may then be fired by pulling the trigger. In using the Winchester Self-Loading Rifle, it is absolutely necessary to pull the trigger for each shot, thus placing it as completely under the control of the operator as any rifle. The rifle is provided with a trigger lock, allowing it to be carried with the hammer at full cock.

The standard rifle is equipped with sporting front and rear sights, but a rear peep sight can also be used, if desired. It measures in length over all $37\frac{7}{8}$ inches. The pistol grip stock is finished with a composition rubber butt plate, is 14 inches long, and has a drop of $1\frac{1}{4}$ inches at the comb and of $2\frac{1}{8}$ inches at the heel. Only 20-inch round nickel steel barrels can be furnished on these rifles; but fancy stocks, checked or unchecked, or stocks of special dimensions, can be furnished. For Extras, see page 96.

.351 Soft Point Bullet.



After firing into soft pine boards. Penetration 13 boards.

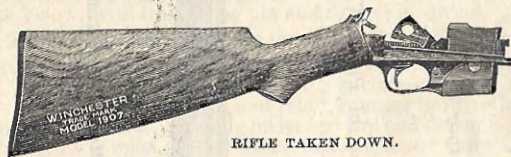
Winchester Self-Loading Rifle.

Price List .351 Caliber High Power.

Round Nickel Steel Barrel, 20 inches long, Plain Walnut Pistol Grip Stock and Forearm, not Checked, Weight about $7\frac{3}{4}$ pounds,	\$28.00
Round Nickel Steel Barrel, 20 inches long, Fancy Walnut Pistol Grip Stock and Forearm, Checked, Weight about 8 pounds,	46.00
Extra Magazines, Complete, each,	1.50
Extra Magazines, Holding 10 Cartridges, Complete, each, (see page 87),	3.50

When Extra Length Magazines are to be used in .351 Caliber Rifle they must be fitted at the factory.

Instructions For Using Model 1907 Self-Loading Rifles.



RIFLE TAKEN DOWN.

To Take Down The Gun.

Cock the gun by pushing in the operating sleeve. Press down the take-down screw lock, found under the take-down screw, located at the rear of the receiver, and turn the take-down screw to the left until it is free from the receiver. Draw the barrel and forearm directly forward. In cleaning the barrel, retract the bolt by pushing back the operating sleeve and lock it in that position by turning the tip either to the right or left.

To Detach The Magazine.

Press inward on the magazine lock, found on the right-hand side of the forward end of the guard, and pull out the magazine. The action should always be closed before replacing the magazine in the gun.

To Fill The Magazine.

Detach the magazine from the gun. Press the head of the cartridge on the magazine follower, or preceding cartridge, immediately forward of the curved lips of the magazine. Press the cartridge down and back under the magazine lips until it slides into the magazine.

To Load The Gun.

Push back the operating sleeve, which projects from the forearm, and let it spring forward. This cocks the hammer and throws the cartridge into the chamber. After this, the gun is loaded and cocked until the last cartridge is fired.

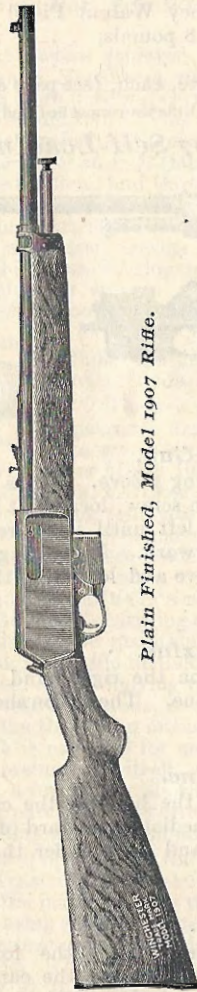
To Unload The Gun.

The magazine can be emptied without shooting, either by working the operating sleeve backward and forward with a positive motion, or by detaching the magazine from the gun and removing the cartridges from it. After removing the magazine, always push back the operating sleeve to make sure that a cartridge has not been left in the chamber. Never leave a cartridge in the chamber when through using the gun.

Winchester Self-Loading Rifle, Model 1907.

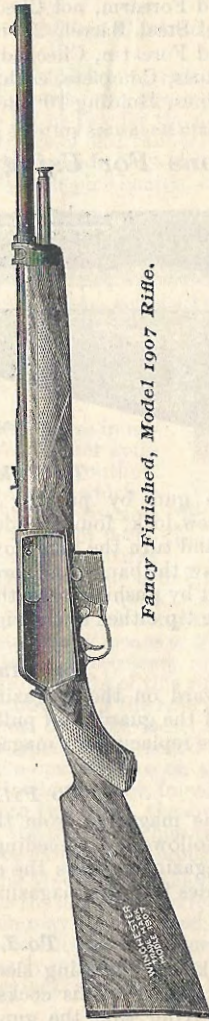
MODEL
1907

"Take-Down," Made For .351 Winchester Self-Loading Cartridges.



Plain Finished, Model 1907 Rifle.

Twenty Inch Round Nickel Steel Barrel, Plain Trigger, Pistol Grip Stock of Plain Walnut, not Checked, Weight about 7½ pounds, Magazine Capacity 5,\$28.00



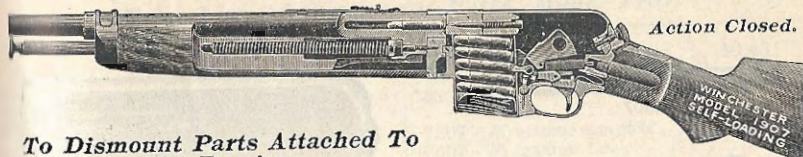
Fancy Finished, Model 1907 Rifle.

Twenty Inch Round Nickel Steel Barrel, Plain Trigger, Pistol Grip Stock and Forearm of Fancy Walnut, Checked, Weight about 8 pounds, Magazine Capacity 5,\$46.00

For Extras, see page 93.

MODEL
1907

Winchester Self-Loading Rifle.



Action Closed.

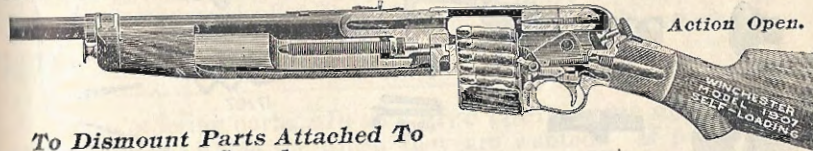
To Dismount Parts Attached To The Receiver.

Cock hammer, release and unscrew take-down screw, take gun apart. Note that all pins are driven out from left to right. Remove forearm tip nut. Draw forearm tip with operating sleeve forward. Draw forearm forward, unscrew bolt guide rod and draw it out of bolt. Remove bolt spring. Do not remove washer and buffer. Retract bolt to rear of receiver, lift forward end away from barrel and remove. Extractor is permanently fixed in receiver and can be removed only by unscrewing barrel from receiver. This should not be done. To remove extractor, take out extractor plunger stop screw, insert thin instrument, such as a knife blade, between extractor and extractor plunger, retract extractor plunger to fullest possible extent, then extractor may be lifted out.

Remove extractor plunger and spring. To remove firing pin, drive out firing pin stop pin from below, withdraw firing pin and firing pin spring.

To Assemble Parts Attached To The Receiver.

When replacing firing pin, drive firing pin stop pin in from above with flat end of pin down, so that crowned end is below top surface of bolt. To replace extractor, insert extractor spring and plunger, and retain plunger in its retired position by means of pin or other small article, pressing on its forward end through extractor slot. Insert extractor until it rests upon the pin which is maintaining extractor plunger in retired position. Withdraw pin and push extractor down into its original position. Replace extractor plunger stop screw. When replacing bolt—in case washer and buffer have been removed—insert steel washer on top of buffer. The operating sleeve spring must be compressed in operating sleeve, and retained in this position while assembling, by a pin through hole in side of operating sleeve. Assemble other parts contained in receiver in reverse order from that in which they were dismounted.



Action Open.

To Dismount Parts Attached To The Guard.

Press magazine lock inward and withdraw magazine. Remove butt plate, unscrew butt stock bolt and take off butt stock. To remove hammer, remove timing lever spring screw and spring, drive hammer pin part way out and remove timing lever. With thumb resting on face of hammer, pull trigger, allowing hammer to assume forward position, drive hammer pin out. To remove sear and trigger, drive out trigger pin, remove sear, sear spring and trigger, push trigger spring forward and out from rear. To remove trigger lock, insert pin or other small article through hole in trigger lock, press trigger lock plunger downward, and at the same time push trigger lock out from right to left. Remove trigger lock plunger and spring. To remove take-down screw and take-down screw lock, drive out stop pin in shank of take-down screw, and remove take-down screw. Remove take-down screw lock by pushing it forward and upward from rear of guard. Remove magazine lock screw, magazine lock, and magazine lock spring. Assemble in reverse order. Note that trigger lock is assembled with letter L down and on right hand side of gun.

To Dismount The Magazine.

Raise up front end of follower and pull it clear of magazine.

To Assemble The Magazine.

Replace spring with large portion down, and with cut-off end toward rear. Place follower on spring with end hooked over stud underneath. Press follower down and slide it under lips of magazine.

Winchester Self-Loading Rifle.

Component Parts, Model 1907.



When ordering parts, *always give their name and number, also caliber* of rifle for which they are wanted. If possible, also give *number* of the rifle.

Winchester Self-Loading Rifle.

Price List Of Component Parts, Model 1907.

107	Barrel.....	\$12.00	7507	Magazine Follower....	\$0.45
14507	Bolt.....	\$8.25	16207	Magazine Follower Roll	.05
2307	Extractor.....	.40	16307	Magazine Follower Roll Pin	.05
14707	Extractor Plunger and Spring.....	.10	7307	Magazine complete.....	\$1.50
14807	Extractor Plunger Spring.....	.05	16607	Magazine Lock.....	.50
14907	Extractor Plunger Stop Screw.....	.05	16707	Magazine Lock Screw.....	.05
2507	Firing Pin.....	.65	16807	Magazine Lock Spring.....	.05
10507	Firing Pin Spring.....	.05	16907	Operating Sleeve.....	.75
2607	Firing Pin Stop Pin.....	.05	17007	Operating Sleeve Spring.....	.10
11307	Bolt complete.....	9.55	17107	Operating Sleeve Tip.....	.20
15007	Bolt Guide Rod.....	.35	17207	Operating Sleeve Tip Pin.....	.05
15107	Bolt Spring.....	.15	19007	Operating Sleeve Tip complete.....	.25
15207	Buffer.....	.15	51107	Peep Sight Plug Screw.....	.05
15307	Buffer Washer.....	.10	8207	Receiver.....	8.25
3007	Butt Stock.....	2.40	13607	Guard with Shank.....	5.25
3107	Butt Plate.....	.50	13707	Guard Shank.....	.25
3207	Butt Plate Screws (2), each.....	.05	4807	Ejector.....	.50
2907	Butt Stock complete.....	3.00	15607	Take Down Screw.....	.30
15407	Butt Stock Bolt.....	.30	15707	Take Down Screw Bushing.....	.15
15507	Butt Stock Bolt Washer.....	.05	15807	Take Down Screw Stop Pin.....	.05
18707	Butt Stock Bolt complete.....	.35	8107	Receiver complete.....	14.50
5807	Forearm.....	1.00	11607	Sear.....	.30
5907	Forearm Tip.....	1.40	11807	Sear Spring.....	.05
18207	Forearm Tip Nut Plunger.....	.05	17307	Take Down Screw Lock.....	.45
18307	Forearm Tip Nut Plunger Spring.....	.05	17607	Timing Lever.....	.50
18607	Forearm Tip complete.....	1.50	17707	Timing Lever Spring.....	.10
18407	Forearm Tip Nut.....	.30	17807	Timing Lever Spring Screw.....	.05
18507	Forearm Tip Key.....	.05	8707	Trigger.....	.85
13107	Hammer Pin.....	.05	17907	Trigger Lock.....	.25
14307	Hammer Spring.....	.10	18007	Trigger Lock Plunger.....	.05
15907	Hammer Spring Guide Rod.....	.20	18107	Trigger Lock Plunger Spring.....	.05
16007	Hammer Spring Guide Rod Pin.....	.05	19107	Trigger Lock Plunger complete.....	.10
6207	Hammer complete.....	1.25	8807	Trigger Pin.....	.05
16107	Magazine.....	.70	8907	Trigger Spring.....	.10
7607	Magazine Spring.....	.25			

When ordering parts, *always give their name and number, also caliber* of rifle for which they are wanted. If possible, also give *number* of the rifle.



10 Shot Magazines

For Winchester .351 Caliber

Self-Loading Rifles.

By the use of a 10-shot magazine, now furnished for Winchester .351 caliber Self-Loading rifles, the number of shots which can be fired without refilling or substituting another magazine is doubled. For hunting, these 10-shot magazines will be found exceedingly effective. When these magazines are to be used for .351 caliber Winchester Self-Loading rifles, it is necessary to have them fitted at the Winchester factory. List price each, \$3.50.

Winchester Self-Loading Rifle.

Model 1910.

Made For .401 Winchester Self-Loading Cartridges.

The Winchester Model 1910 Self-Loading Rifle is a five shot, hammerless "Take-Down" of .401 caliber. It shoots a heavier bullet and hits a harder blow than any other recoil-operated rifle made. It also surpasses all other rifles of this type in the strength and simplicity of its action and in the rapidity with which it will shoot a series of shots. It handles equally well, without change or readjustment, cartridges loaded with either 200 or 250 grain bullets. The former develops a greater striking energy than the .30 Army cartridge, whose ability to stop the biggest of big game is well known. Despite the fact that the .401 caliber cartridge with the 250 grain bullet develops less striking energy than the cartridge with the 200 grain bullet, it hits a much harder blow than the bullet handled by any other recoil-operated rifle. Some idea of the stopping power of the .401 caliber is given by



The Way a .401 Caliber Soft Point Bullet Mushrooms. Side View. Actual Size.



Front View of Same Bullet. Actual Size.

the accompanying illustrations. They show how a soft-pointed bullet of this caliber mushrooms to four times its original size upon impact with animal tissue. The knock-down, shocking power of either of the .401 caliber cartridges with their heavy bullets of large diameter, driven with high velocity, is tremendous; and the combination of such power with the rapidity of fire which the Winchester Self-Loading system permits, makes the Model 1910 Rifle unusually desirable for hunting the biggest of big game. There is no rifle made which equals the Model 1910 for delivering five as powerful blows in as few seconds.

Compared with the popular .45-70-405 Government or the .30 Army, the more modern favorite of big-game hunters, the .401 cartridge looks small. In bulk it is only about half as large, but when it comes to hitting a knock-down blow or tearing a great big hole in animal tissue, it easily distances these two less modern cartridges. The .401 caliber cartridge with its little bulk, yet great power, is the result of Winchester experience and knowledge in ammunition making, which led to taking advantage of the advancement in the art of manufacturing smokeless powder when it produced a very dense powder giving great velocity, yet generating pressures not unsafe for arms constructed to handle it. Cartridges of the .401 caliber type represent as great a step forward in ammunition making as did the supplanting of skin cartridges by rim-fire, or pin-fire by center-fire shotgun



.401 Caliber Cartridge With 200 Grain Soft Point Bullet.

Winchester Self-Loading Rifle.



.401 Caliber Cartridge With 250 Grain Soft Point Bullet.

shells. The .401 caliber cartridge is lighter and more compact to carry, and costs less than old style cartridges that look bigger, but which in reality do not possess the killing power that it does. The following table shows the velocity and energy

of .401 caliber cartridges. For the purpose of comparison the same ballistic data of the .30 Army and .45-70-405 Government cartridges are given.

CARTRIDGE.	VELOCITY AT MUZZLE.	ENERGY AT MUZZLE.
.401 SELF-LOADING, 200 gr., Soft Pt. Bul.	2142 Foot Seconds	2038 Foot Pounds
.401 SELF-LOADING, 250 gr., Soft Pt. Bul.	1875 "	1952 "
.30 ARMY, 220 gr., Soft Pt. Bul.	1997 "	1949 "
.45-70 GOVERNMENT, 405 gr., Soft Pt. Bul.	1317 "	1562 "

The Model 1910 Self-Loader is not only a powerful rifle, but a strongly constructed one. The working parts throughout and the receiver, guard and barrel are made of nickel steel, which gives them the necessary strength and elasticity to withstand the strain of such a heavy cartridge without increasing their weight or size.

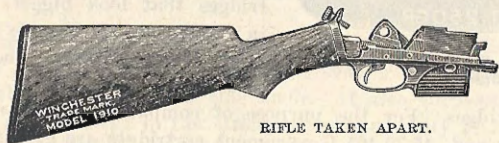
The Model 1910 Rifle is loaded by recoil, it being only necessary to pull the trigger for each shot. The recoil of the exploded cartridge ejects the empty shell, cocks the hammer and feeds a fresh cartridge from the magazine into the chamber. This places the complete control of the rifle under the trigger finger and makes it unnecessary to take the eye off the sights when shooting rapidly. A positive trigger lock, conveniently located in the trigger guard, permits carrying the rifle at full cock with safety. The position of this lock can be readily determined either by sight or feeling. When the lock is off, it shows a red band as a warning.

A particularly desirable feature of the Model 1910 Rifle is its detachable magazine. This style of magazine not only makes it unnecessary to work the unused cartridges through the action when unloading, but it permits the use of extra magazines by means of which a large number of shots can be fired with great rapidity. The detachable magazine of the Model 1910 Rifle, handling as it does cartridges with bullets of two different weights, allows the substitution of one cartridge for the other easily and quickly. As an extra magazine loaded weighs comparatively little, one or more can be carried in the pocket without inconvenience. This advantageous feature, found only in Winchester recoil operated rifles, is thoroughly appreciated and strongly indorsed by many experienced hunters.

**MODEL
1910**

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Winchester Self-Loading Rifle.



RIFLE TAKEN APART.

The two-part "Take-Down" system used on this rifle is simple and strong. By turning the take-down screw found at the rear of the receiver a few times, the rifle separates into two parts, the stock and guard being in one part and the barrel and receiver in the other. When the rifle is taken down the working parts are accessible for cleaning. The rifle can be put together as easily as it is taken down, there being nothing about the action of the bolt or other parts to interfere with this process.

The Winchester Self-Loading system is positive, safe, strong, and simple. The working parts are few and strong and there is nothing complicated about the rifle, and it will not get out of order with any reasonable use. The barrel is stationary like that on an ordinary rifle, and the sights are attached directly to it, as is necessary for the greatest accuracy. The receiver is as "clean as a hound's tooth," being free from pins or screws to jar out or shake loose. There are no moving parts on the outside of the rifle to catch in the clothing or tear the hands. The Model 1910 is a handsome, well-balanced gun that is easily loaded and unloaded, easily shot with great rapidity, and easily taken down and cleaned. Its strength, power, and compactness make it a desirable, handy, and handsome rifle for big game shooting.

The standard gun is equipped with sporting front and rear sights. It measures in length over all $37\frac{7}{8}$ inches. The pistol grip stock, finished with a rubber butt plate, is 14 inches long and has a drop of $1\frac{1}{8}$ inches at the comb and of $2\frac{3}{16}$ inches at the heel. Only 20-inch round nickel steel barrels can be furnished on these rifles; but fancy stocks, checked or unchecked, or stocks of special dimensions, can be furnished at the same list prices charged for such extras on other models.

List Prices Of Model 1910 Self-Loading Rifles, Etc.

Round Nickel Steel Barrel, 20 Inches Long, Plain Walnut Pistol Grip Stock and Forearm, not Checked, Weight about $8\frac{1}{2}$ pounds.....	\$30.00
Round Nickel Steel Barrel, 20 Inches Long, Fancy Walnut Pistol Grip Stock and Forearm, Checked, Weight about $8\frac{1}{2}$ pounds.....	48.00
Extra Magazines, each.....	1.50

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**MODEL
1910**

Winchester Self-Loading Rifle.

Instructions For Using Model 1910

Self-Loading Rifles.

To Detach The Magazine.

Press inward on the magazine lock, found on the right-hand side of the magazine opening in the guard, and pull out the magazine. The action should always be closed before replacing the magazine in the gun.

To Fill The Magazine.

Detach the magazine from the gun. Press the head of the cartridge on the magazine follower, or preceding cartridge, immediately forward of the curved lips of the magazine. Press the cartridge down and back under the magazine lips until it slides into the magazine.

To Load The Gun.

Push back the operating sleeve, which projects from the forearm, and let it spring forward. This cocks the hammer and throws the cartridge into the chamber. After this the gun is loaded and cocked until the last cartridge is fired.

To Unload The Gun.

The magazine can be emptied without shooting, either by working the operating sleeve backward and forward with a positive motion, or by detaching the magazine from the gun and removing the cartridges from it. After removing the magazine always push back the operating sleeve to make sure that a cartridge has not been left in the chamber. Never leave a cartridge in the chamber when through using the gun.

To Take Down And Put The Gun Together.

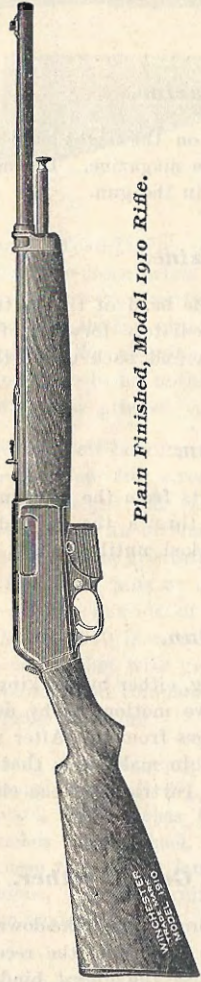
Hold down the take-down screw lock, found under the take-down screw, and turn the take-down screw to the left until it is free from the receiver. Draw the barrel and forearm directly forward. In case the guard binds in the receiver, push back the operating sleeve half way and let it spring forward. This will separate them. When putting the gun together, hold down the take-down screw lock and screw up the take-down screw. *Be sure to screw the take-down screw clear home.*

In cleaning the barrel, retract the bolt by pushing back the operating sleeve and lock it in that position by turning the tip either to the right or left.

MODEL
1910

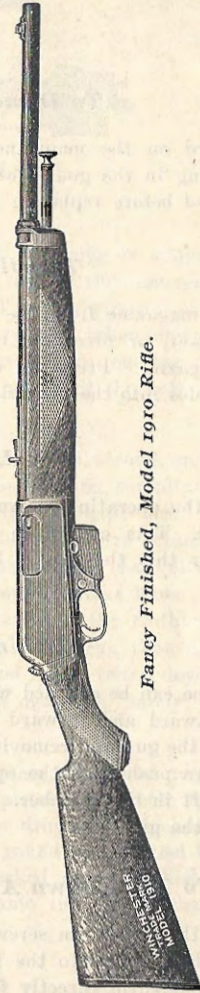
Winchester Self-Loading Rifle, Model 1910.

"Take-Down," Made For .401 Winchester Self-Loading Cartridges.



Plain Finished, Model 1910 Rifle.

Twenty Inch Round Nickel Steel Barrel, Plain Trigger, Pistol Grip Stock of Plain Walnut, not Checked, Weight about 8 1/2 pounds, Magazine Capacity 4,.....\$30.00



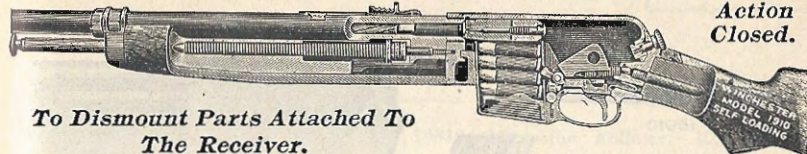
Fancy Finished, Model 1910 Rifle.

Twenty Inch Round Nickel Steel Barrel, Plain Trigger, Pistol Grip Stock and Forearm of Fancy Walnut, Checked, Weight about 8 1/2 pounds, Magazine Capacity 4,.....\$48.00

For Extras, see page 96.

MODEL
1910

Winchester Self-Loading Rifle.



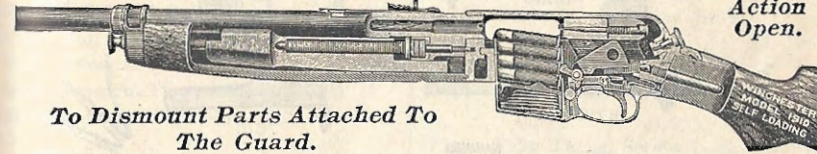
Action Closed.

To Dismount Parts Attached To The Receiver.

Cock hammer, release and unscrew take-down screw, take gun apart. Note that all pins are driven out from left to right. Remove forearm tip nut. Draw forearm tip with operating sleeve forward. Draw forearm forward, unscrew bolt guide rod and draw it out of bolt. Remove bolt spring. Retract bolt to rear of receiver, lift forward end away from barrel and remove. Remove buffer pocket with buffers and washer. Ejector is permanently fixed in receiver and can be removed only by unscrewing barrel from receiver. This should not be done. To remove extractor, drive out extractor pin from below. Remove extractor and spring. To remove firing pin, drive out firing pin stop pin from below, withdraw firing pin and firing pin spring.

To Assemble Parts Attached To Receiver.

When replacing firing pin, drive firing pin stop pin in from above with flat end of pin down, so that crowned end is below top surface of bolt. To replace extractor, replace extractor spring, insert extractor in its slot, press rearward until the pin holes in extractor and bolt coincide, and drive in pin with flat end down. When replacing bolt, see that buffer pocket is in place with washer forward. The operating sleeve spring must be compressed in operating sleeve and retained in this position while assembling, by a pin through a hole in side of operating sleeve. Assemble other parts contained in receiver in reverse order from that in which they were dismounted.



Action Open.

To Dismount Parts Attached To The Guard.

Press magazine lock inward and withdraw magazine. Remove butt plate, unscrew butt stock bolt, and take off butt stock. To remove hammer, remove timing lever spring screw and spring, drive hammer pin part way out and remove timing lever. With thumb resting on face of hammer, pull trigger, allowing hammer to assume forward position, drive hammer pin out. To remove sear and trigger, drive out trigger pin, remove sear, sear spring and trigger, push trigger spring forward and out from rear. To remove trigger lock, insert pin or other small article through hole in trigger lock, press trigger lock plunger downward, and at the same time push trigger lock out from right to left. Remove trigger lock plunger and spring. To remove take-down screw and take-down screw lock, drive out stop pin in shank of take-down screw, and remove take-down screw. Drive out take-down screw lock pin. Lift out take-down screw lock and take-down screw lock spring. Note that trigger lock is assembled with red band on the left hand side of gun. Remove magazine lock screw, magazine lock, and magazine lock spring.

To Dismount Magazine.

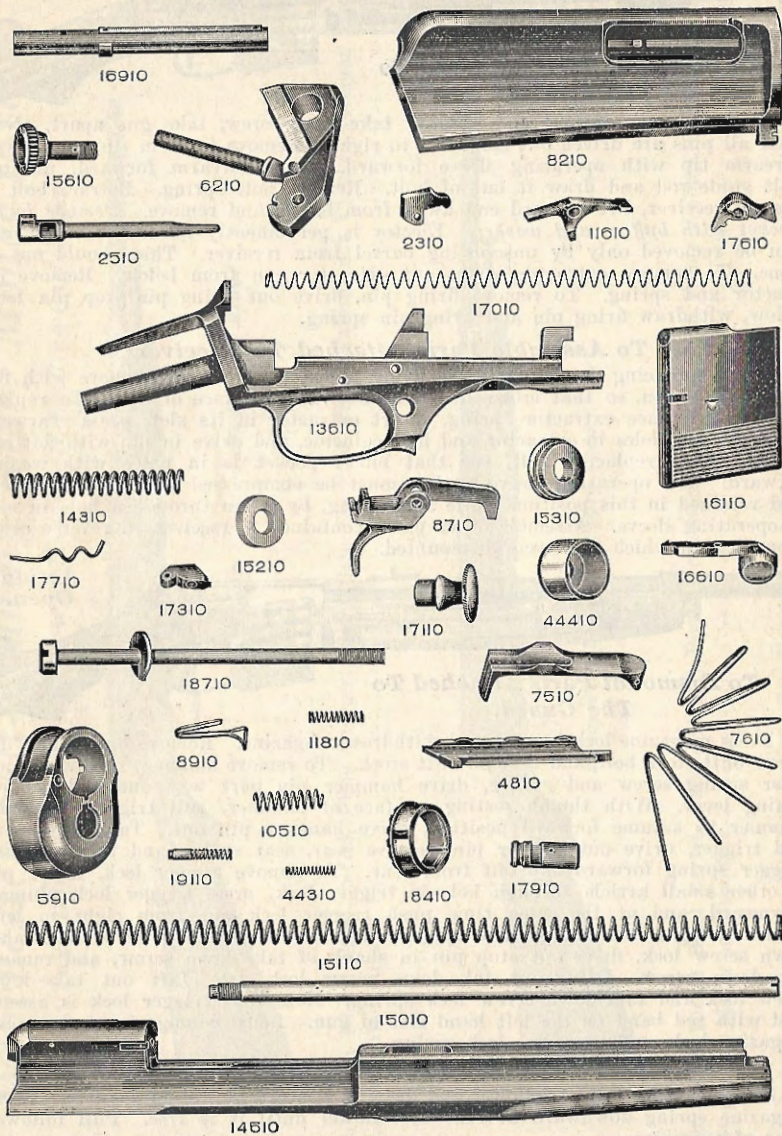
Raise up front end of follower and draw it forward as far as possible. Press magazine spring downward at rear of follower until it is free. Pull follower clear of magazine.

To Assemble The Magazine.

Replace spring with large portion down, and with cut-off end toward rear. Place follower on spring with end hooked over stud underneath. Press follower down and slide it under lips of magazine.

Winchester Self-Loading Rifle.

Component Parts, Model 1910.



When ordering parts, *always give their name and number, also caliber* of rifle for which they are wanted. If possible, also give *number* of the rifle.

Winchester Self-Loading Rifle.

Price List Of Component Parts, Model 1910.

110	Barrel.....	\$12.00	16310	Magazine Follower Roll	
14510	Bolt.....	\$9.00		Pin.....	\$0.05
2310	Extractor.....	.40	7310	Magazine complete.....	\$1.50
2410	Extractor Pin.....	.05	16610	Magazine Lock.....	.50
44310	Extractor Spring.....	.05	16710	Magazine Lock Screw.....	.05
2510	Firing Pin.....	.65	16810	Magazine Lock Spring.....	.05
10510	Firing Pin Spring.....	.05	16910	Operating Sleeve.....	.75
2610	Firing Pin Stop Pin.....	.05	17010	Operating Sleeve Spring.....	.10
11310	Bolt complete.....	10.25	17110	Operating Sleeve Tip.....	.20
15010	Bolt Guide Rod.....	.35	17210	Operating Sleeve Tip Pin.....	.05
15110	Bolt Spring.....	.25	19010	Operating Sleeve Tip complete.....	.25
15210	Buffers each.....	.10	51110	Peep Sight Plug Screw.....	.05
44410	Buffer Pocket.....	.15	8210	Receiver.....	9.75
15310	Buffer Washer.....	.10	13610	Guard with Shank.....	6.50
3010	Butt Stock.....	2.40	13710	Guard Shank.....	.25
3110	Butt Plate.....	.65	4810	Ejector.....	.50
3210	Butt Plate Screws, each.....	.05	15610	Take Down Screw.....	.30
2910	Butt Stock complete.....	3.15	15710	Take Down Screw Bushing.....	.15
15410	Butt Stock Bolt.....	.30	15810	Take Down Screw Stop Pin.....	.05
15510	Butt Stock Bolt Washer.....	.05	17310	Take Down Screw Lock.....	.35
18710	Butt Stock Bolt complete.....	.35	17410	Take Down Screw Lock Pin.....	.05
5810	Forearm.....	1.00	17510	Take Down Screw Lock Spring.....	.05
5910	Forearm Tip.....	1.60	8110	Receiver complete.....	17.95
18210	Forearm Tip Nut Plunger.....	.05	11610	Sear.....	.30
18310	Forearm Tip Nut Plunger Spring.....	.05	11810	Sear Spring.....	.05
18610	Forearm Tip complete.....	1.70	17610	Timing Lever.....	.50
18410	Forearm Tip Nut.....	.30	17710	Timing Lever Spring.....	.10
18510	Forearm Tip Key.....	.05	17810	Timing Lever Spring Screw.....	.05
13110	Hammer Pin.....	.05	8710	Trigger.....	.85
14310	Hammer Spring.....	.10	17910	Trigger Lock.....	.25
15910	Hammer Spring Guide Rod.....	.20	18010	Trigger Lock Plunger.....	.05
16010	Hammer Spring Guide Rod Pin.....	.05	18110	Trigger Lock Plunger Spring.....	.05
6210	Hammer complete.....	1.25	19110	Trigger Lock Plunger complete.....	.10
10110	Magazine.....	.75	8810	Trigger Pin.....	.05
7610	Magazine Spring.....	.25	8910	Trigger Spring.....	.10
7510	Magazine Follower.....	.45			
10210	Magazine Follower Roll.....	.05			

When ordering parts, *always give their name and number, also caliber* of rifle for which they are wanted. If possible, also give *number* of the rifle.

Extras For Winchester Rifles.

All deviations from standard styles and sizes involve a large proportional outlay for hand labor, and, when ordered, will be subject to the following charges, which should be added to the list price of a rifle:—

Butt stocks of special shape, involving change in either length or drop from standard, \$10.00.

Engraving from \$5.00 to \$250.00 additional, according to style and quality.

See page 99.

Full Nickel Plating,	List, \$4.00
Nickel Plating Trimmings,	2.50
Silver Plating Trimmings,	4.00
Gold Plating Trimmings,	10.00
Set Triggers on Repeating Rifles, Model 1873,*	3.00
Double Set Triggers on Models 1886, 1892, and 1894,*	3.00
Regular Set Triggers on Single Shot Rifles,*	2.00
Schuetzen Double Set Triggers on Single Shot Rifles,*	6.00
Fancy Walnut Stock and Forearm, except on Models 1905, 1907, and 1910 Rifles,	10.00
Fancy Walnut Stock and Forearm on Models 1905, 1907, and 1910 Rifles,	13.00
Checking Fancy Walnut Stock and Forearm,	5.00
Fancy Walnut Stock and Forearm checked, except on Models 1905, 1907, and 1910 Rifles,	15.00
Fancy Walnut Stock and Forearm checked, on Models 1905, 1907, and 1910 Rifles,	18.00
Pistol Grip Stock and Forearm, Fancy Walnut checked,	18.00
Pistol Grip Stock of Plain Walnut, not checked,	3.00
Checking Plain Walnut Stock and Forearm, except Models 1905, 1907, and 1910,	2.00
Checking Plain Walnut Stock and Forearm on Models 1905, 1907, and 1910,	5.00
Palm Rest on Single Shot Rifle,	6.00
Spur Finger Lever on Single Shot Rifle,	4.00
Schuetzen Butt Plate on Single Shot Rifle,	4.00
Swiss Butt Plate,	2.00
Check Piece on Fancy Stock,	4.00
Leaving off Rear Sight Slot, or changing position of Rear Sight,	1.00
Blank Piece to fill Rear Sight Slot, .....	.25
.30 Caliber Barrels fitted to Krag-Jorgensen or Springfield Military Rifles,	20.00
Sling Strap, .....	.60
Sling Strap with Screw Eyes, Swivel Hook and Button,	1.50
Sling Strap N. R. A. Style,	1.35
Silver's Recoil Pad fitted to Rifles with Shotgun Butt Stocks,	7.00
Matting Barrels,	5.00
Interchangeable Barrels, complete with Magazine, Forearm, etc., Model 1886, all calibers (except .33), 1892 (.38 and .44 calibers), and 1894 (.32-40 and .38-55 calibers), for "Take-Down" Rifles, Round Barrel,	12.00
Octagon Barrel,	13.50
Half Octagon Barrel,	14.00
Interchangeable Barrels, complete with Magazine, Forearm, etc., Model 1894, .25-35, .30 W. C. F., and .32 Winchester Special calibers, for "Take-Down" Rifles, Round Barrel,	15.00
Octagon Barrel,	16.50
Half Octagon Barrel,	17.00
Interchangeable Barrels for "Take-Down" Single Shot Rifles, Round Barrel,	9.00
Octagon Barrel,	10.50
Round Interchangeable Nickel Steel Barrels for "Take-Down" Single Shot Rifles, except .35 and .405 W. C. F. calibers,	12.00
Round Interchangeable Nickel Steel Barrels for "Take-Down" Single Shot Rifles, .35 and .405 W. C. F. calibers,	14.00
Hickory Cleaning Rods (one piece), .....	.10
.22 Caliber Metal Cleaning Rod, .....	.15
Rifle Butt Stocks equipped with jointed rod on Models 1886, 1892, 1894, 1895, and on Single Shot Rifles of .25 caliber or larger, .....	.90

*See page 98 for Directions for use of Set Trigger.

Price List Of Winchester Rifles.

Price List
Of Guns

Style Of Rifles.	Carbine	Musket	Round Barrel	Octagon Barrel	Half Octagon Barrel
MODEL 1873,					
All Calibers,	\$17.50	\$19.00	\$18.00	\$19.50	\$20.00
MODEL 1886,					
All Calibers except .33 Win.,	19.00	20.00	19.50	21.00	21.50
Extra Light, .45-70 only,			25.00		
"Take-Down," all Calibers except .33,			25.00	26.50	27.00
Extra Light "Take-Down," .45-70 only,			30.00		
.33 Win. Caliber,			25.00		
.33 Win. Caliber "Take-Down,"			30.00		
MODEL 1890,					
.22 Caliber "Take-Down,"				16.00	
MODEL 1892,					
All Calibers,	17.50	19.00	18.00	19.50	20.00
"Take-Down,"			25.00	26.50	27.00
MODEL 1894,					
.32-40 and .38-55 Calibers,	17.50		18.00	19.50	20.00
.25-35 and .30 Win. Calibers,	21.00		23.00	24.50	25.00
Extra Light .32-40 and .38-55,			23.00	24.50	25.00
Extra Light .25-35 and .30 Win.,			28.00	29.50	30.00
"Take-Down" .32-40 and .38-55,			25.00	26.50	27.00
Extra Light "Take-Down" .32 and .38,			30.00	31.50	32.00
"Take-Down" .25 and .30 Win.,			28.00	29.50	30.00
Extra Light "Take-Down" .25 and .30,			33.00	34.50	35.00
.32 Winchester Special,	21.00		23.00	24.50	25.00
"Take-Down" .32 Winchester Special,			28.00	29.50	30.00
MODEL 1895,					
.30 Caliber or .303 British,	30.00	32.00	30.00		
.30 Caliber, N. R. A.,		32.00			
.30 Caliber Gov't M. '03 or '06, N. R. A.,		32.00			
.30 Caliber Gov't M. '03 or '06,	30.00		30.00		
.35 or .405 Winchester,			30.00		
"Take-Down" .30 Army or .303 British,			32.50		
"Take-Down" .30 Gov't M. '03 or '06,				32.50	
.35 or .405 Winchester,					
SINGLE SHOT,					
All Calibers except .25-35, .30 Winchester, .30 Army, .303 British, .32 W. S., .33, .35 and .405 Winchester,		16.00*	14.50	16.00	
.25-35, .30 Win., .30 Army, .303 British, .32 W. S. and .33 Win.,			20.00		
.35 and .405 Winchester,			22.00		
"Take-Down" all Calibers except .25-35, .30 Win., .30 Army, .303 British, .32 W. S., .33, .35 and .405 Winchester,		19.00*	17.50	19.00	
"Take-Down" .25-35, .30 Win., .30 Army, .303 British, .32 W. S. and .33 Winchester,			23.00		
"Take-Down" .35 and .405 Win.,			25.00		
MODEL 1902 SINGLE SHOT,					
.22 Caliber,			5.00		
MODEL 1903 AUTOMATIC,					
.22 Caliber,			25.00		
MODEL 1904 SINGLE SHOT,					
.22 Caliber,			6.00		
THUMB TRIGGER MODEL,					
.22 Caliber,			3.50		
MODEL 1905 SELF-LOADING,					
.32 and .35 Win., S. L. Caliber,			26.00		
MODEL 1906,					
.22 Caliber,			11.75		
MODEL 1907 SELF-LOADING,					
.351 Win., S. L. Caliber,			28.00		
MODEL 1910 SELF-LOADING,					
.401 Win., S. L. Caliber,			30.00		

*.22 Short and .22 Long Rifle Calibers only.

Set Triggers

Set Triggers For Winchester Rifles.

Winchester Rifles, which can be equipped with set triggers, take the following styles: Model 1873, Single Set Trigger only. Models 1886, 1892, and 1894, Double Set Trigger only. Single Shot Rifles, except those chambered for rim fire, .22, .32, .38, and .44 W. C. F., .25-20, and .32 Ideal Cartridges, the Double Set Trigger, or Schuetzen Double Set Trigger only. Single Shot Rifles chambered for rim fire, .22, .32, .38, and .44 W. C. F., .25-20, and .32 Ideal Cartridges, can be equipped only with the Single Set Trigger for Single Shot Rifles unless made with a No. 3 barrel, in which case they can be equipped with the Double Set Trigger, or Schuetzen Double Set Trigger.

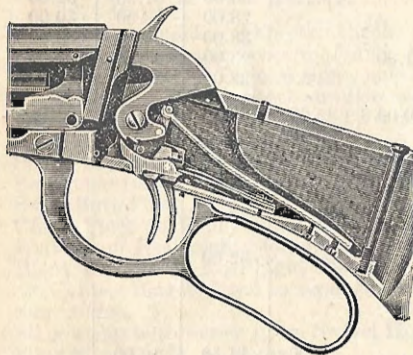
How To Use A Set Trigger.

After the gun is closed and cocked, if the trigger is a single set, push the trigger forward with the thumb until a click is heard and the trigger sets in a forward position. If it is a Double Set Trigger, push the rear trigger forward until a click is heard. If it is a Schuetzen Double Set Trigger, pull the rear trigger back until a click is heard. The trigger is then set, and a very slight pull will fire the gun. The trigger must be set after each shot. If it is desired to make the set finer, turn in the small screw directly back of the trigger. By turning it in just to the right point, the trigger can be made to pull very fine indeed.

We advise parties having guns with plain triggers, who desire to have them changed over to set triggers, to send the guns to us and let us adjust and set triggers to them. Where plain trigger guns are sent to the factory to be changed to set triggers, \$3.00 will be charged for making the change on magazine guns, \$6.00 for replacing with Schuetzen Double Set Trigger, and \$2.00 for the other set triggers on single shot rifles.

Special Parts For Winchester Single Set Trigger For Single Shot Rifles.

423 S. S. T. Catch Hook,.....	\$0.15	116 S. S. T. Sear,.....	\$0.25
424 S. S. T. Catch Hook Spring,.....	.05	87 S. S. T. Trigger,.....	.50
276 S. S. T. Knock Off Spring,.....	.20	425 S. S. T. Trigger Adjusting Screw,....	.05



Parts Necessary To Change From Plain To Model '86, '92, And '94 Double Set Trigger.

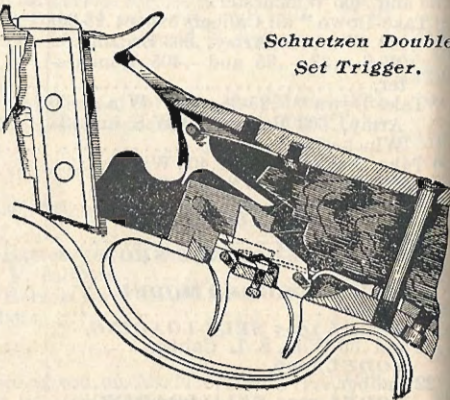
426 D. S. T. Front Trigger,.....	\$0.70
427 D. S. T. Front Trigger Pin,.....	.05
428 D. S. T. Front Trigger Spring,.....	.05
62 D. S. T. Hammer, complete with Fly and Stirrup,.....	.85
83 D. S. T. Lower Tang, M. '92, M. '94, or M. '86,.....	1.75
70 D. S. T. Mainspring,.....	.30
429 D. S. T. Rear Trigger,.....	1.00
430 D. S. T. Rear Trigger Pin,.....	.05
431 D. S. T. Rear Trigger Spring,.....	.10
432 D. S. T. Rear Trigger Stop Pin,....	.05
116 D. S. T. Sear,.....	.50
118 D. S. T. Sear Spring,.....	.05
119 D. S. T. Sear Spring Screw,.....	.05
433 D. S. T. Trigger Guide Pin,.....	.05
434 D. S. T. Trigger Adjusting Screw,..	.05

Parts Necessary To Change From Plain To Schuetzen Double Set Trigger.

62 S. D. S. T. Finger Lever,.....	\$1.65
426 S. D. S. T. Front Trigger,.....	.75
427 S. D. S. T. Front Trigger Pin,.....	.05
428 S. D. S. T. Front Trigger Spring,....	.10
435 S. D. S. T. Front Trig. Spring Screw, .05	
436 S. D. S. T. Front Trig. Adjust. Screw, .05	
83 S. D. S. T. Lower Tang,.....	1.50
429 S. D. S. T. Rear Trigger,.....	.75
430 S. D. S. T. Rear Trigger Pin,.....	.05
431 S. D. S. T. Rear Trigger Spring,....	.25
437 S. D. S. T. Rear Trig. Spring Screw, .05	
116 S. D. S. T. Sear,.....	.50

Parts Necessary To Change From Plain To Winchester Double Set Trigger—Single Shot.

426 S.S.D.S.T. Front Trigger,.....	\$0.70
427 S.S.D.S.T. Front Trigger Pin,.....	.05
428 S.S.D.S.T. Front Trigger Spring,....	.05
436 S.S.D.S.T. Front Trig. Adjust. Screw, .05	
83 S.S.D.S.T. Lower Tang,.....	1.20
429 S.S.D.S.T. Rear Trigger,.....	1.20
430 S.S.D.S.T. Rear Trigger Pin,.....	.05
431 S.S.D.S.T. Rear Trigger Spring,....	.15
438 S.S.D.S.T. Rear Trigger Stop Pin,....	.05
116 S.S.D.S.T. Sear,.....	.50



Schuetzen Double Set Trigger.

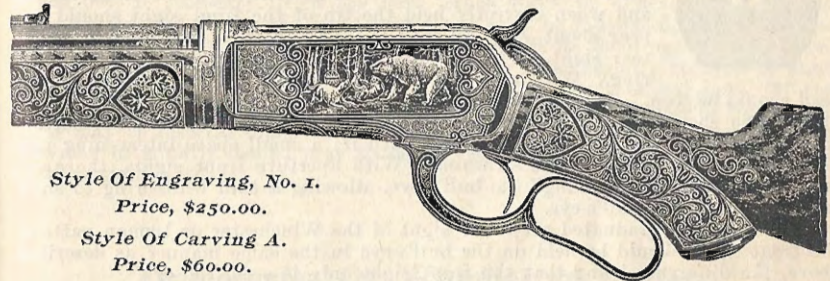
FANCY RIFLES

Fancy Finished Winchester Rifles.

The ornamenting of Winchester rifles affords excellent opportunities for displaying both fine engraving and artistic carving. The ornamental work shown below was done at our armory by our own employes, under our own immediate supervision.

The prices named cover only the engraving of the metal parts of the gun, and the carving or checking of the wood. These prices are to be added to the list price of the rifle to ascertain the price of the completed gun. For instance: The standard Model 1886, Octagon Barrel Take-Down rifle, with plain stock, is listed at \$26.50; to this add for pistol grip stock and forearm of fancy walnut, \$13.00; for hand carving stock and forearm, \$60.00; for engraving and inlaying, \$250.00, making total price of the 1886 gun, shown on this page, \$349.50. Prices for special engraving, carving, etc., are subject to the same trade discounts as the gun it is put upon.

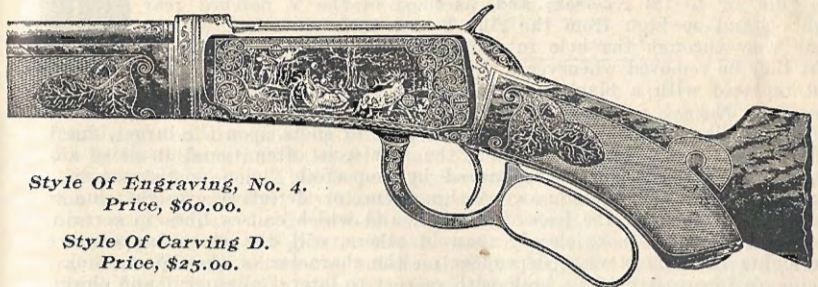
An Elaborately Ornamented Model 1886 Winchester Rifle.



Style Of Engraving, No. 1.
Price, \$250.00.

Style Of Carving A.
Price, \$60.00.

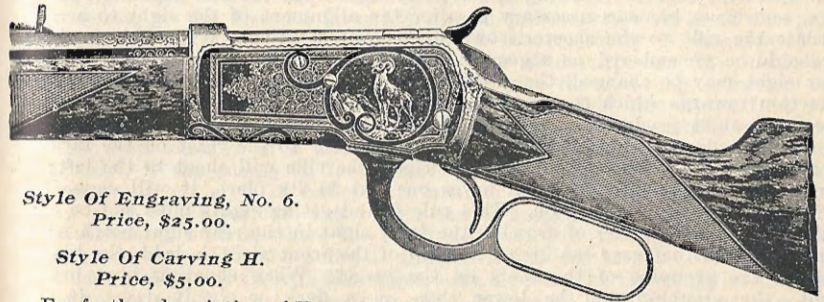
An Engraved Model 1894 Winchester Rifle.



Style Of Engraving, No. 4.
Price, \$60.00.

Style Of Carving D.
Price, \$25.00.

An Inexpensively Engraved Model 1892 Winchester Rifle.



Style Of Engraving, No. 6.
Price, \$25.00.

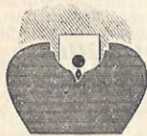
Style Of Carving H.
Price, \$5.00.

For further description of Fancy Finished Winchester Rifles, send 10 cents for 28 page illustrated catalogue, showing many different styles of engraving, carving, etc.

Sighting Winchester Rifles.

In order to acquire a correct manner of aiming with the various kinds of sights adapted to Winchester repeating and single shot rifles, it will be found desirable to carefully read the following directions:—

The rifle should be held with its butt placed firmly against the shoulder, yet not so tightly as to cause any muscular strain or tremor, and its muzzle brought to point in the direction of the target, but somewhat below the bull's-eye; care being taken to keep the sights perfectly upright. The center of the notch in the rear sight should then be brought into direct alignment with the front sight; and when correctly held the tip of the front sight should appear about $\frac{1}{3}$ of an inch above the bottom of the notch of the rear sight, or so much as may be distinctly seen without blurring. With a bead or pin-head front sight the whole of the



bead should be seen. Keeping the sights in this same relative position, the muzzle of the rifle should be raised until the tip of the front sight reaches the bottom edge of the bull's-eye, but does not quite touch it; a small space intervening just perceptible to the eye without straining. With aperture front sights, the aperture in the bead should "ring" the bull's-eye, allowing a thin white ring to show equally around the bull's-eye.

When using a graduated peep rear sight of the Winchester or Lyman pattern, the front sight should be held on the bull's-eye in the same manner as described above, the difference being that the front sight only is seen, the eye being held as nearly as possible to the center of the hole in the rear sight. These peep rear sights are customarily fastened to the tang of the rifle, or to its receiver; and, as most of the V notched rear sights stand so high from the rifle barrel as to interfere with a clear view through the hole in the peep sight, it is recommended that they be removed whenever a peep rear sight is put on the rifle, and replaced with a blank piece especially made for this purpose. (See page 96.)



A variation in the position of the grouping of shots upon the target, due to a difference in the manner of holding the sights, is often found to exist among shooters. This is sometimes caused by imperfect vision: astigmatism, farsightedness, or nearsightedness. Astigmatism, or defective eyesight due to a spoon-shaped form of the lens of the eye, and which causes lines in certain directions to be seen more clearly than in others, will distort the appearance of the sights in various ways, dependent on the character of the defect, thus producing an incorrect holding, both with respect to lateral alignment and elevation. Farsightedness will cause a blurring of the rear sight, while nearsightedness will affect the accurate drawing of the front sight upon the bull's-eye. It, therefore, sometimes becomes necessary to alter the alignment of the sight to accommodate the rifle to the shooter's own manner of sighting. When this is done, it should be remembered, as a general rule, that, however the adjustment of the rear sight may be changed, the effect will be to cause the rifle to shoot in the direction towards which the rear sight has been moved, while any alteration of the front sight produces an opposite effect. For example, if the rear sight is moved towards the right, the rifle will shoot further to the right on the target; if the front sight is moved towards the right, the rifle will shoot to the left; if the front sight is filed off, or a lower one put in its place, it will cause the rifle to shoot higher, and so on. This rule for adjusting sights must not be confounded with the manner of drawing the front sight in the rear sight notch when aiming, for in that case the higher the tip of the front sight is held, the higher will be the grouping of the shots on the target. When shooting in a bright light, the grouping will be lower than on a dark or cloudy day. It will be found advantageous, when using an ivory bead or other light colored front sight, to smoke the tip with a match, when shooting on a bright object.

Sighting Winchester Rifles.

To alter the elevation of the sporting rear sight, the slide on the front of the horn can be raised or lowered by easing the adjusting screw shown in the cut.

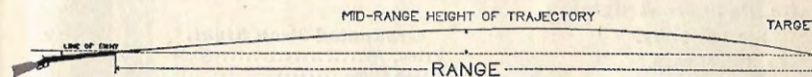


The graduated scale on the leaf of the Winchester peep rear sights is laid off in decimal parts of an inch, having no reference whatever to the range, and can, therefore, be used as a range-sight only after the rifle has been targeted at the various standard ranges and the reading of the scale noted or marked on the leaf. The vernier on the mid-range vernier peep

sight, enables this sight to be adjusted to the one-hundredth part of an inch.

All front sights, rear sights, or blanks fitting into a dovetailed cut in the barrel, should be driven into place from the right-hand side of the barrel, and driven out, if necessary, from the left. Much force, or a heavy blow, should never be resorted to, as the sight would not only be mutilated, but the barrel dented or thrown out of line so as to seriously affect its shooting. If it is found that the sight drives in too tightly, its base may be sufficiently reduced by careful filing. The slot in the barrel should, however, never be enlarged. If the sight is so loose as to render it apt to be jarred out of place, a piece of thin tissue paper may be inserted under its base before driving it in, or the dovetail on its base may be slightly dented near its center, thus throwing up a burr which will hold the sight in place.

Trajectories Of Winchester Bullets.



The trajectory of a bullet is the path it follows from the instant it leaves the muzzle of the arm until it strikes the target. This path is a continuous curve. In its flight a bullet loses forward or horizontal speed and gains downward or vertical speed. This is due respectively to the resistance of the air and the action of gravity. By the law of gravity a bullet projected into space increases progressively in downward or vertical velocity. The longer the time before coming to rest, the greater the downward velocity. Hence, in that portion of the trajectory where the bullet takes the longest time to move a given horizontal distance, gravity will show its maximum effect. From this one can readily appreciate that the curve of the path of a bullet is greatest at the end of its flight and that at the longest ranges the curvature is the greatest. In other words, as the distance from the muzzle increases the curve of the path of the bullet increases. In the above sketch the trajectory is exaggerated in proportion to the size of the rifle, for purpose of description. In considering the killing zone of a bullet it is customary to give the mid-range height of its trajectory. This is the height attained above the straight line drawn from the muzzle of the rifle to the point where the bullet strikes. It is generally considered that the best measure of a knock-down blow, the killing or destructive effect of a bullet, is the energy in foot pounds stored in the bullet. By comparing the energy of one style of bullet with another of the same style, the relative killing effect of the various sized bullets can be gauged; that is, with soft point or mushrooming bullets, where the bullet does not pass through the target, the entire energy stored in the bullet is transmitted to the target. With the type of bullet which passes through the target, only a portion of the energy is absorbed by the target and, hence, the shocking effect is lessened. The tables on pages 86 and 87 give the instrumental velocities and energies, also the mid-range height of trajectories up to 300 yards, and free recoil for cartridges most generally used.

Sights Adapted To Winchester Rifles.



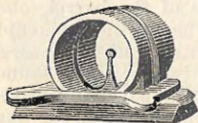
FRONT.



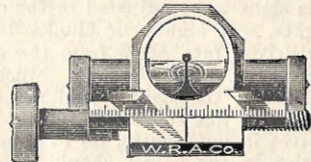
SIDE.

Rocky Mountain Front Sight.
Price, \$0.50.

Not adapted to M. '94, .30 Cal. Rifles.



Globe Sight,
With Interchangeable Disc.
Price, \$1.25.

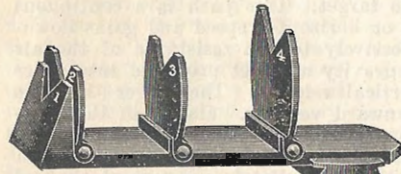


Wind Gauge Sight,
With Spirit Level And
3 Discs.

Price,	\$4.00
Without Spirit Level,	3.00
Spirit Level,	1.00
Spirit Level Bulb, .....	.15
Extra Discs, each, .....	.35
Traverse Screw, .....	.25
Base, .....	.75
Screw Caps to Level, each, .....	.15

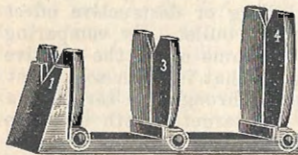


Knife Blade Front Sight.
Steel or Ivory.
Price, \$0.50.



Winchester Four Leaf Express
Rear Sight Without Tangent.

Price, \$1.50 when sent out fitted to a new rifle; \$4.00 when furnished separately.



Winchester Express.
Rear Sight,

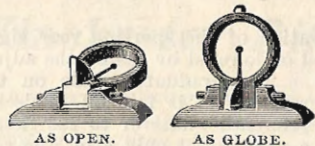
Price, \$1.50

Rear Sight,

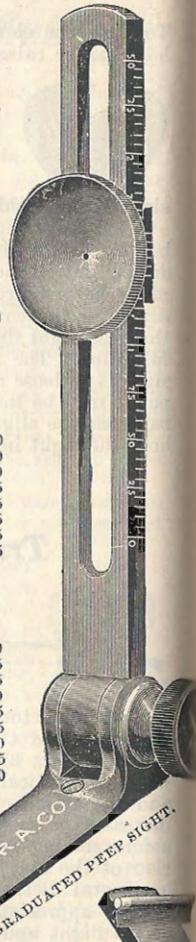
Winchester Four Leaf Express.

Price \$4.00

When ordering sights always specify model and caliber of rifle, and for sights seated on tang state whether stock is straight or pistol grip.



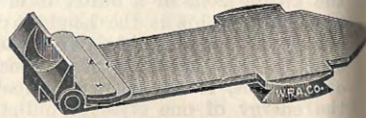
Beach Combination Sight.
Price, \$1.00.



Graduated Peep Sight.

Price,	\$3.00
Extra Disc, .....	.75
Extra Disc Nut, .....	.25
Base only,	1.50
Thumb Screw, .....	.25
Leaf, .....	.75
Leaf with Disc and Nut, ..	2.00
Base Screws, each, .....	.05
Leaf Spring, .....	.30

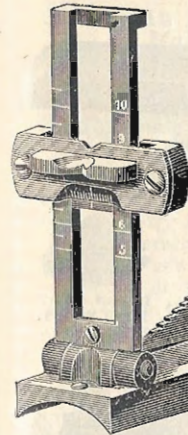
Winchester Express.
Front Sight, Price, \$0.50.



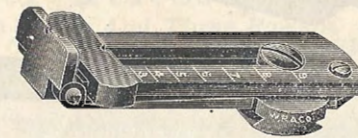
Winchester Express.

Rear Sight,

Sights Adapted To Winchester Rifles.



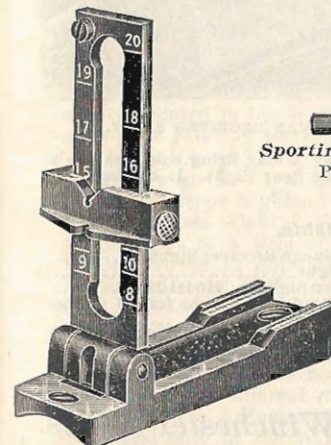
Military Wind Gauge and Carbine Sight.
Price, \$2.00.



Carbine Rear Sight.
For Models '73, '86, '92, and '94.
Price, \$1.25.



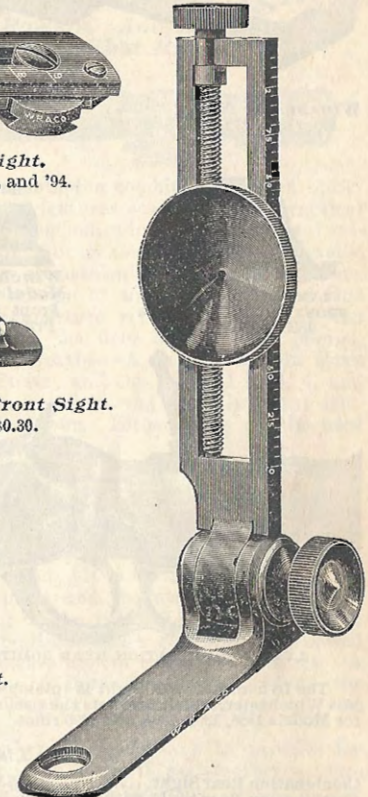
.22 Caliber Front Sight.
Price, \$0.30.



Model 1895
Musket and Carbine Sight.
Price, \$2.00.



Sporting Front Sight.
Price, \$0.30.

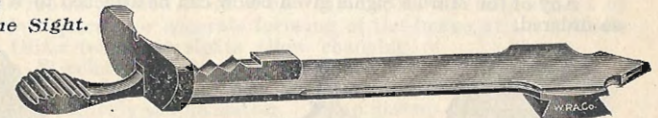


Mid-Range Vernier Peep Sight.

Price,	\$4.00
Elevator Screw, .....	.75
Other parts same as Graduated Peep.	
Mid-Range Vernier and Wind Gauge	
Sights with Spirit Level, two extra	
Discs, etc., complete, in Morocco	
Case,	\$8.50



Sporting Rear Sight.
Front View.



Sporting Rear Sight.
Price, complete,

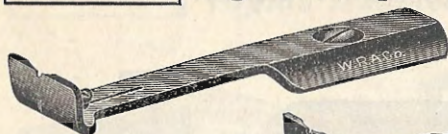
\$0.80

Elevator for Sporting Rear Sight,

.20

When ordering sights always specify model and caliber of rifle, and for sights seated on tang state whether stock is straight or pistol grip.

Sights Adapted To Winchester Rifles.



Winchester Model 1890.
Rear Sight, Price, \$0.60.



Winchester .22 Caliber.
Sporting Rear Sight, Price, \$0.60.
Adapted to M. '90, '02, '04, '06 and Thumb Trigger.
Always specify Model when ordering.



LYMAN IVORY BEAD
FRONT SIGHT FOR MODEL
1895, .30 CALIBER.



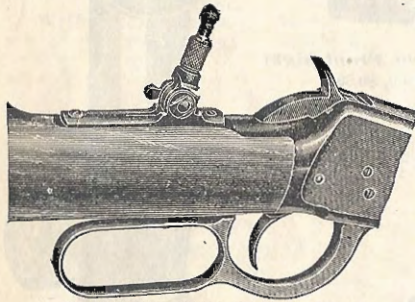
Winchester
Model 1890.
Front Sight,
Price, \$0.30.



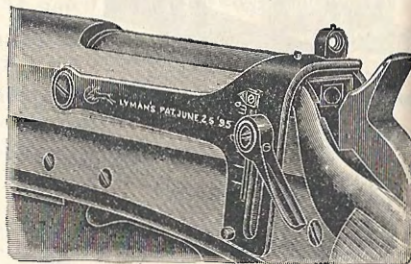
LYMAN HUNTING
FRONT.



LYMAN IVORY
BEAD FRONT.



LYMAN COMBINATION REAR SIGHT.



LYMAN RECEIVER SIGHT.

The Lyman Receiver Sight is intended for rifles having a long firing bolt, like the Model 1895 Winchester, which prevents the use of the Combination Rear Sight. It can be furnished for Models 1886, 1892, 1894, and 1895 rifles.

Price List of Lyman Sights.

Combination Rear Sight,	\$3.00	Wind Gauge Receiver Sight,	\$5.00
Combination Rear Sight with Cup Disc,	3.50	Leaf Sight,	1.00
Combination Front Sight,	1.00	Receiver Sight for Model 1895,	3.50
Ivory Bead Front Sight,	1.00	Ivory Bead Front Sight for .30 Caliber Model 1895, .....	.50
Ivory Hunting Front Sight, .....	.50	Receiver Sight for Models '05, '07, and '10,	4.50
Wind Gauge Target Sight,	3.50	Fitting Receiver Sights, net, .....	.25
Wind Gauge Sporting Sight,	3.00		

Marble Sights Adapted To Winchester Rifles.

Any of the Marble Sights given below can be attached to Winchester rifles when so ordered.



MARBLE'S REVERSIBLE FRONT SIGHT.



MARBLE'S IMPROVED FRONT SIGHT.

Reversible Front Sight, Ivory and Gold Bead,	\$1.50	Improved Front Sight,	\$1.00
Front Sight for Model 1894 Carbines using Black Powder, .....	.50	Front Sight for Model 1895 Rifle, .30 Army and .303 British, .....	.50
Front Sight for Model 1894 Carbines using Smokeless Powder, .....	.75	Stationary Front Sight,	1.00
		Adjustable Leaf Sight,	1.00
		Flexible Rear Sight,	3.00

Winchester Telescope Rifle Sights.

Made In Two Styles And Three Powers. Adapted To All
Makes Of Repeating And Single Shot Rifles.



The Winchester Telescope Rifle Sight represents the combination in an optically and mechanically correct manner of all the features essential in a practical and satisfactory instrument of precision. It also embodies in its design several valuable improvements which correct faults common to other telescope sights. Notable among these new features are the micrometer adjustment of the objective lens, which makes it simple and easy to take advantage of the possibilities of this type of sight to the fullest degree; and an aperture reticule, furnishing the smallest aperture with the least obstruction of the field of any ever offered. The Winchester Telescope Sight is made in two styles—A and B—and in three different powers. The Style A is made in 5-Power, and the Style B in 5, 4, and 3-Power. The Style A 5-Power glass has a larger field and more brilliant illumination than the Style B glass of the same power. Either style can be used on any repeating or single shot rifle.

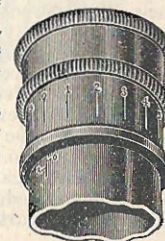
The field—as the view seen when looking through the telescope is technically called—is large, well and evenly lighted, sharply defined, and devoid of color fringes. The definition is such that the details of the objects in the field are brought out with brilliancy and great distinctness. This result is obtained through the use of high quality, carefully selected, and rigidly inspected achromatic lenses.

To use a telescope sight with comfort and safety, it is of importance that the relief—that is, the distance between the eyepiece and the eye when sighting—be sufficient to prevent injury by the recoiling of the rifle. This point has been carefully considered in the Winchester Telescope Sight and a good margin allowed for safety; the relief of the Style A being 2 inches and of Style B $3\frac{1}{2}$ inches. A relief adjusting stop allows the telescope to be immediately restored to the proper focal adjustment after each shot. This is a feature found only on Winchester Telescope Sights.

No two persons' sight being alike, it is therefore necessary to provide for focal adjustment of a telescope for the individual user, if satisfactory service and results are to be obtained. Both the ocular and objective lenses of the Winchester Telescope Sight can be set with ease and precision. The eyepiece, which is made without prisms, being of the terrestrial type, is adjusted by simply loosening the locking sleeve and turning it (the eyepiece) until the proper focus is obtained, and then screwing up the locking sleeve. When the eyepiece is adjusted to suit the user's sight, no further change should be made in it, focal adjustment for different ranges being obtained by adjusting the objective lens.

The micrometer adjustment of the objective lens is a new and invaluable feature, found only in the Winchester Telescope Sight, providing a simple, convenient, and accurate means for the positive and minute relative adjustment of the lenses and reticule required for accurate focusing of the image at the reticule for various ranges. Other telescopic sights allow changing of the objective, but the Winchester is the only one which has a micrometer adjustment of this lens to make focusing in a scientific and exact manner a comparatively simple matter. In an instrument of precision, nothing should be left to guesswork, and this new and exclusive feature of the Winchester Telescope Sight eliminates entirely the element of chance in its use. A further advantage of the micrometer adjustment of the objective lens is that it brings out the full possibilities of the glass. Unless the objective glass is focused with the positiveness which such an adjustment alone can give, the full value of such a sight cannot be obtained.

As opinions differ widely as to the best form of sight for a telescope, five different styles of reticules are offered; namely, single and double cross hairs, triangle, aperture, and pin head.



Micrometer Adjustment of Objective Lens.

Winchester Telescope Rifle Sights.

These reticules are interchangeable and one can be substituted for another without difficulty. The standard style is the single cross hairs and will be sent on all orders unless a different style is specified. When apertures, double cross hairs, or triangles are ordered, the range and size of bull's-eye for which they are to be used should always be given.



Single Cross Hairs. Double Cross Hairs. Triangle.

Aperture. Pin Head.

To fulfill ideal conditions, a reticule is sometimes required having a very small aperture with the least possible obstruction to the field. This requirement is provided for by an aperture reticule made from a single piece of wire, and comprising a ring and a twisted stem. A reticule made in this way has a much smaller area than one stamped out of sheet metal, and consequently offers the least possible obstruction to the field. Another decided advantage a reticule of this kind has over one made of sheet metal is the smoothness of its surface. Stamped-out aperture reticules have ragged edges, which under the lenses are so greatly magnified as to be objectionable and an interference with clear vision.

The mounts are light and well shaped without the sacrifice of strength. All of the front mounts are made of nickel steel as is also the No. 2 rear mount. The No. 2 rear mount allows a greater adjustment both for elevation and windage than the No. 1 mount, which makes it suitable for long as well as short range use. The limit of utility of the No. 1 rear mount is from 200 to 500 yards according to the caliber of the rifle to which it is attached. The front mount is so designed as to afford the tube a bearing on a convex surface instead of on rivets or screws. This prevents indentation or injury to the tube, so apt to occur in shooting heavy loads where point bearings are used, as has heretofore been done. Contained in the front mount is a bevel-nosed plunger, which engages in a long groove on the under side of the tube and keeps the tube from rotating,



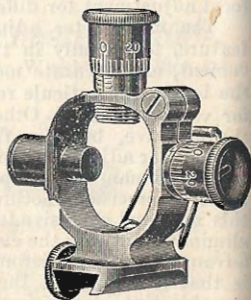
Same View Seen Through Style A 5-Power Telescope.



View Seen by the Naked Eye.

but allows it to move longitudinally. This device insures the axis of the tube remaining constant when once adjusted.

The shape of the rear mount is such as to allow ample play to the tube for elevation and windage adjustment for different ranges. Two springs, one exerting pressure vertically and the other horizontally, hold the tube in contact with the elevation and windage screws. The use of the two instead of one spring for this purpose overcomes a defect common to most telescopic sight mounts. The elevation and windage are set by micrometer screws, those on No. 2 reading to .001 of an inch and those on No. 1 reading to .003 of an inch. The division markings on the adjusting screws and mounts are enameled red, so as to make it easy to read them quickly and accurately.



No. 2 Rear Mount.

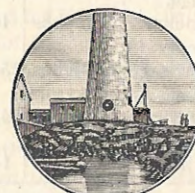
Winchester Telescope Rifle Sights.

Table of values of elevation and windage graduations of Winchester Telescope Sight Mounts. Figures in second, third and fourth columns represent the value at the target, at the various ranges, of each division or point of elevation or windage.

Range	No. 2 Mount 7 $\frac{1}{8}$ inches between Mounts	No. 2 Mount 6 inches between Mounts	No. 1 Mount 7 $\frac{1}{8}$ inches between Mounts
50 Feet	Each point .078 inch	.10 inch	.25 inch
25 Yards	“ “ .125 “	.15 “	.39 “
50 “	“ “ .25 “	.3 “	.781 “
100 “	“ “ .5 “	.6 “	1.562 “
200 “	“ “ 1. “	1.2 “	3.125 “
300 “	“ “ 1.5 “	1.8 “	
400 “	“ “ 2. “	2.4 “	
500 “	“ “ 2.5 “	3. “	
600 “	“ “ 3. “	3.6 “	
700 “	“ “ 3.5 “	4.2 “	
800 “	“ “ 4. “	4.8 “	
900 “	“ “ 4.5 “	5.4 “	
1000 “	“ “ 5. “	6. “	



As Seen Through Style B 5-Power Telescope, same Magnification as Style A 5-Power but Smaller Field.



As Seen Through Style B 4-Power Telescope.



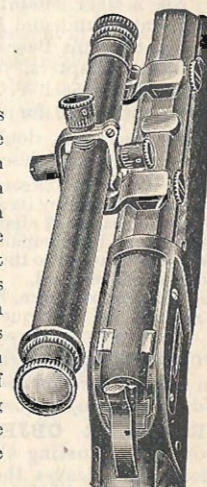
As Seen Through Style B 3-Power Telescope.

OFFSET ADAPTERS FOR WINCHESTER TELESCOPE SIGHT.

By the use of the Offset Adapters a Winchester Telescope Sight can be attached to a rifle so that it will lie on either side of the barrel instead of on top of it. This change in the location of the telescope is made possible by the use of the Offset Adapters without requiring any change in the sight bases attached to the top of the barrel or in the mounts of the telescope. This makes it a simple matter to attach a Winchester telescope to the side of the barrel of a top ejecting repeating rifle or to the top of the barrel of a single shot rifle without any change in the style of mountings or bases.



Telescope with Regular Mounts.



Telescope Mounted with Offset Adapters.

Winchester Telescope Rifle Sights.

Table Showing Proper Settings Of The Front Adjusting Sleeve For Various Ranges.

Always Start at 0 and Screw Sleeve Towards the Rear.

Range.	Turns.	Divisions
50 feet.....	0	0
75 feet.....	0	8
100 feet.....	1	1½
50 yards.....	1	5½
100 yards.....	1	9½
200 yards.....	2	1½

From 200 yards up to and including 1,000 yards, the focus of the Objective Lens is universal, and therefore requires no change in adjustment.

When ordering always give the make of rifle to which the telescope is to be attached in order that the proper front mount base may be furnished.

Price List Of Winchester Telescope Sights.

	Power.	Field at 100 feet.	Relief.	Length.	Weight.	List Price.
Style A with No. 1 Mounts	5	5 feet 8 inches	2 inches	15½ inches	10 ounces	\$27.00
Style B with No. 1 Mounts	5	2 feet 9 inches	3½ inches	15⅞ inches	9½ ounces	18.00
Style B with No. 1 Mounts	4	3 feet 8 inches	3½ inches	14½ inches	9 ounces	18.00
Style B with No. 1 Mounts	3	4 feet 10 inches	3½ inches	14½ inches	8½ ounces	18.00

No. 2 Rear Mount can be used with either Style A or Style B Telescope and will be furnished, when so ordered, instead of No. 1, for \$2.00 list extra.

No. 1 Rear Mount is standard for both Style A and Style B Telescopes and will be sent on all orders unless otherwise specified.

No. 1 Rear Mount and Base Complete.....	\$2.25
No. 2 Rear Mount and Base Complete.....	4.25
Front Mount and Base Complete.....	1.50
Sight Mount Bases, each.....	.35
Offset Adapters, per set.....	1.50
Reticules, each.....	1.50
Leather Case for Telescope Sight.....	3.50

When apertures, double cross hairs, or triangles are ordered separately, the style and power of telescope in which it is intended to use them should be given.

The Winchester Telescope Sight is easily attached to or detached from the barrel of a rifle without changing its adjustment for elevation or windage. The bases for the front and rear mounts are of steel, having a dovetail cross section, and are sent out drilled and countersunk and accompanied with screws for attaching them to the barrel. They are intended to be attached to the barrel permanently, so as to insure the proper position of the telescope whenever used.

The tube is not drawn, but bored and turned from a solid piece of steel. This gives it great rigidity and consequently a more perfect alignment for the lenses is secured.

Directions For Removing Lenses From Winchester Telescope Sights.

To secure the most satisfactory results from an instrument of this kind, it should be taken apart only when absolutely necessary.

FRONT OR OBJECTIVE LENS.—Remove the adjusting sleeve cap. Unscrew the adjusting sleeve about ¼ of an inch. Then return it to its original position. This leaves the rim of the lens cell exposed so that it can be pulled out. It is not advisable to remove the lenses from their seats in the cells, as they are liable to injury from improper seating.

Winchester Telescope Rifle Sights.

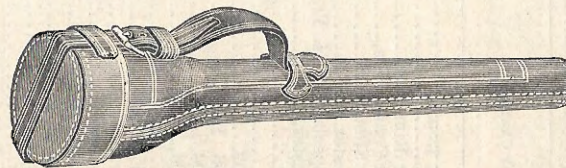
Directions For Removing Lenses.—Continued.

RETICULE (CROSS HAIRS, Etc.).—Loosen the reticule retaining ring screw, situated on the left side of the tube near the rear end, by turning it *inward* as far as it will go, using the screw-driver furnished. The reticule holder may then be shaken out rearward by holding the tube vertically. If it sticks, rap the end of the tube gently on a smooth wood surface. After removing the reticule holder from the tube, the reticule disc, carrying the cross hairs, or other form of reticule, may be removed through the slit provided for it. In replacing the reticule in its holder make sure the side on which the wires are soldered is toward the rear and the projection on the side of the disc is seated in its slot, so that when reassembled the reticule will stand upright.

MIDDLE OR INVERTER LENS (Style B, 4- and 3-Power).—Loosen the middle lens cell retaining ring screw, situated on the left side of the tube near the middle, by turning it *inward* as far as it will go, and remove the cell from the tube by gently shaking it while holding in a vertical position, rear end downward. In case any of the interior parts cannot be removed by shaking, as described above, they may be pushed out rearward from the front by means of a rod, preferably of wood, first inserting a cork, or plug of wood, nearly filling the diameter of the tube, to prevent injury to the lenses, etc. In replacing middle lens cell in tube, make sure the beveled side is toward the front, and that when the binding screw is tightened the center of its head is *exactly* in line with the line scratched across the slot in the tube.

MIDDLE OR INVERTER LENS (Style A or B, 5-Power).—Loosen the middle lens cell retaining ring screw, situated on the left side of the tube near the middle, by turning it inward as far as it will go. Then reach into the rear end of the tube with the finger or any hooked instrument and, engaging the notched end of the rear retaining rod, withdraw it with the rear diaphragm and middle lens cell attached. Replace in reverse order, making sure that when the retaining screw is tightened the center of its head is *exactly* in line with the line scratched across the slot in the tube.

Winchester Telescope Sight Case.



Winchester Telescope Sight Case, heavy russet leather, strap lock and handle. List price, each..... \$3.50

Velocities, Energies, Penetrations And Trajectories Developed By Winchester Cartridges And Recoils Of Winchester Rifles.

BALLISTICS

Penetration is not the measure of striking energy. As an illustration, take the figures in our table for the .30 Winchester Center Fire Cartridge. With the soft-point bullet the penetration is but 11" boards, whereas that cartridge with the full patch bullet will penetrate 42 boards. The energies of both are the same. All other things being equal, the bullet which resists deformation will give the maximum penetration. The soft point bullet, which generally stops inside the skin of the animal, delivers its whole energy; while the full patch bullet, which passes through the animal, may make a less severe wound. Penetration, therefore, is not a good test of killing power. If the target is harder or softer than that described in our table, the results obtained will not be the same; nor will the comparative results show corresponding differences. The rifles used in determining the following ballistics were equipped with barrels of standard lengths.

NAME OF CARTRIDGE.	Weight of Bullet, Grains.	Velocities of Bullet, Feet Per Second.		Energies of Bullet In Foot Lbs.		Penetrations at 15 Ft. In 1/4 Inch Soft Pine Boards.		Trajectories.			Free Recoil in Foot Pounds.		
		At Muzzle.	At 100 Yds.	At Muzzle.	At 100 Yds.	Lead.	S. P.	F. P.	100 Yds. Height at 50 Yds.	200 Yds. Height at 100 Yds.	300 Yds. Height at 150 Yds.	Smokeless Powder.	Black Powder.
6 mm.....	112	2562.0	2231.5	1632.8	1239.1		12.	60.	.76	3.49	9.14	7.10	
.22 Automatic.....	45	903.2	791.2	81.5	62.6	5.	5.		6.10	20.82	54.89	.12	.32
.22 Winchester Rim Fire.....	45	1107.3	915.2	122.6	83.7	7.	7.		4.39	13.68	38.28	.30	.51
.22 Winchester Center Fire.....	45	1541.2	1126.0	237.4	126.7	8.	8.	11.	2.74	13.52	35.80	.52	.88
.25-20 Single Shot.....	86	1411.9	1132.6	330.8	245.0	9.	8.		2.88	14.08	41.03	.80	
.25-20 M. '92 Winchester.....	86	1376.3	1108.6	361.8	234.7	9.	10.		1.85	9.37	26.22	1.36	
.25-35 Winchester, W. H. V.....	86	1712.2	1371.2	560.0	359.1		10.		1.32	6.21	16.61	3.39	
.30 Winchester.....	117	1978.1	1680.2	1016.8	733.6		11.		1.28	5.79	15.23	7.20	
.30 Army.....	170	2008.3	1735.0	1522.4	1136.6		11.		1.10	5.48	13.86	11.59	
.30 Gov't M. '03.....	220	2204.0	1967.0	2374.3	1892.0		13.		1.00	4.52	11.40		
.30 Gov't M. '05, Pointed.....	180	2700.0	2420.2	2428.6	1951.4		18.		1.00	4.52	11.40		
.30 Gov't M. '05, ".....	180	2509.5	2290.5	2517.6	2097.4		14.		.68	2.95	7.50		
.30 Gov't M. '06.....	220	2204.0	1967.0	2374.3	1892.0		14.		.76	3.29	8.22		
.303 British.....	215	1989.1	1775.7	1908.3	1505.7		18.		1.00	4.52	11.40		
.32 Winchester Self-Loading.....	165	1392.0	1167.0	1710.1	499.1		13.	56.	1.23	5.52	14.08	10.98	
.32 Winchester.....	115	2222.2	2010.9	331.5	261.0	6.5	10.		2.70	12.48	33.25	1.92	
.32 Winchester Special.....	170	2112.0	1769.0	1684.2	1181.6		12.		3.62	16.93	43.55	1.11	1.24
.32 M. '92 Special, W. H. V.....	115	1640.0	1282.9	689.9	420.4		7.		1.17	5.60	15.26	7.66	
.32-40.....	165	1427.7	1194.5	1747.0	522.9	8.5	8.5		2.10	10.70	29.89	2.66	
.32-40 W. H. V.....	165	1752.4	1460.0	1124.8	781.1		10.		2.45	12.22	31.92	3.08	4.13
.33 Winchester.....	200	2056.2	1741.0	1877.7	1346.4		10.		1.70	8.23	22.08	5.45	
.35 Winchester Self-Loading.....	180	1896.0	1151.0	779.1	529.6		13.		1.21	5.78	15.51	11.35	
.35 Winchester.....	250	2200.0	1923.0	2687.4	2053.6		9.		2.74	13.07	34.35	2.83	
.351 Winchester Self-Loading.....	180	1861.2	1523.0	1385.0	927.3		15.		1.03	4.73	12.24	19.81	
.38 Winchester.....	180	1324.0	1053.3	700.8	443.5	7.5	10.		1.55	7.60	21.10	6.57	4.69
.38 M. '92 Special, W. H. V.....	180	1775.7	1367.4	1260.9	747.5		10.		3.19	15.53	41.66	3.20	
.38-55.....	255	1321.0	1131.6	688.8	725.2	9.5	10.		1.79	9.46	27.33	6.67	
.38-55 W. H. V.....	255	1593.3	1350.5	1437.2	1032.9		10.		2.87	13.56	34.42	5.96	8.41

BALLISTICS

Velocities, Energies, Penetrations And Trajectories Developed By Winchester Cartridges And Recoils Of Winchester Rifles.

NAME OF CARTRIDGE.	Weight of Bullet, Grains.	Velocities of Bullet, Feet Per Second.		Energies of Bullet In Foot Lbs.		Penetrations at 15 Ft. In 1/4 Inch Soft Pine Boards.		Trajectories.			Free Recoil in Foot Pounds.		
		At Muzzle.	At 100 Yds.	At Muzzle.	At 100 Yds.	Lead.	S. P.	F. P.	100 Yds. Height at 50 Yds.	200 Yds. Height at 100 Yds.	300 Yds. Height at 150 Yds.	Smokeless Powder.	Black Powder.
.38-56 Winchester.....	255	1397.0	1189.2	1105.3	800.9	11.	12.	17.	2.61	12.30	31.00	5.76	8.13
.38-70 Winchester.....	255	1489.5	1262.9	1256.5	903.3	10.	12.	19.	2.05	11.84	28.69	7.16	10.24
.38-72 Winchester.....	275	1476.6	1283.1	1331.7	1010.2	16.	15.	25.	2.27	10.59	27.14	8.70	9.40
.38 Express.....	217	1695.8	1313.7	1227.4	831.8	9.	9.		2.05	10.15	27.49	9.58	9.58
.40-60 Winchester.....	260	1632.7	1220.3	1095.7	694.6	9.5	11.		2.34	11.75	31.95	6.94	6.94
.40-65 Winchester.....	280	1367.2	1145.1	1079.4	757.7	9.	11.		2.59	13.24	33.42	6.80	8.68
.40-70 Sharp's Straight.....	330	1258.3	1101.6	1160.5	889.4	11.5	11.5		3.11	14.25	35.55	6.80	11.83
.40-70 Winchester.....	330	1382.8	1196.7	1401.5	1049.6	13.	11.		2.76	12.19	33.94	9.23	12.95
.40-72 Winchester, Black.....	330	1373.0	1190.6	1381.6	1063.2	13.	13.		2.66	12.11	33.91	9.23	14.56
.40-72 Winchester, Smokeless.....	300	1423.8	1214.6	1350.7	983.0	12.	14.	22.	2.51	11.84	30.58	9.99	12.19
.40-82 Winchester.....	260	1492.1	1236.9	1285.6	883.5	13.	11.	17.5	2.40	11.26	29.88	8.79	15.35
.40-82 Sharp's Straight.....	370	1387.3	1218.2	1581.6	1219.5	16.	12.		2.49	11.75	29.75	8.79	16.73
.40 Express.....	260	1617.0	1278.9	1509.9	944.5	12.	14.		2.11	10.74	29.75	11.49	
.40 Winchester Self-Loading.....	200	2414.8	1721.2	2037.6	1315.9		14.		1.01	6.47	17.06	11.49	
.40 Winchester Self-Loading.....	250	1875.0	1543.7	1952.0	1323.2		12.		1.49	7.34	20.36	12.18	
.405 Winchester.....	300	2204.4	1897.7	3236.6	2399.6		13.		1.04	4.85	12.82	28.24	
.44 Winchester.....	200	1300.6	1034.6	751.4	475.5	9.	10.		3.26	15.94	42.37	3.93	5.42
.44 M. '92 Special, W. H. V.....	200	1569.1	1201.8	1094.9	641.6	11.5	10.		3.07	14.50	37.35	5.98	9.28
.45-60 Winchester.....	300	1881.1	1691.8	1959.5	1579.2		13.		1.47	7.40	19.65	16.16	
.45-70 W. H. V.....	300	1344.6	1081.8	1151.5	794.2	10.	13.		2.75	13.05	33.78	12.70	
.45-70-330 Hollow Point.....	330	1380.0	1155.2	1395.8	973.6	13.	11.	17.	2.86	14.96	34.32	10.28	14.57
.45-70-350.....	350	1343.8	1139.1	1463.8	1008.6	10.	12.	18.	2.90	13.27	33.55	12.27	16.24
.45-70-405 Gov't.....	405	1317.6	1143.3	1561.7	1175.8	13.	12.	18.	3.35	14.82	36.12	15.22	18.43
.45-70-500 Gov't.....	500	1201.1	1081.6	1692.1	1317.2	18.	15.	20.	2.71	12.95	32.94	13.61	18.61
.45-75 Winchester.....	350	1382.7	1168.2	1485.1	1060.8	14.5	15.	19.	2.28	11.24	30.24	11.88	16.53
.45-75 Winchester.....	300	1531.7	1247.8	1583.3	1037.5	13.	15.	19.	1.41	6.63	17.73	18.99	
.45-90 W. H. V.....	300	1692.0	1621.5	2644.0	1751.8	10.	14.	26.	1.88	9.30	28.66	22.93	
.45 Express.....	300	1900.2	1375.7	1903.0	1261.0	9.5	10.		2.32	11.87	32.69	17.48	
.50-95 Winchester Express.....	300	1556.8	1214.2	1614.8	982.3	10.	14.	20.	2.54	11.99	31.06	21.53	25.17
.50-100-450 Winchester.....	450	1422.1	1206.6	2021.2	1455.2	16.	12.5	20.	2.17	10.99	31.20	11.32	19.76
.50 110 Winchester Express.....	300	1605.8	1250.2	1718.2	1041.4	11.	14.	26.	1.12	5.83	17.41	25.62	
.50-110-300 W. H. V.....	300	2242.0	1744.0	3349.3	2026.6								

For purposes of comparison, we give herewith the free recoil of a Winchester 12 gauge repeating shotgun, and a 12 gauge double-barreled shotgun. With a load of 3/4 drams of black powder and 1 1/4 ounces of shot, the free recoil is 31.5 foot pounds. The same guns loaded with 3/4 drams of smokeless powder and 1 1/4 ounces of shot give a free recoil of 28.0 foot pounds.