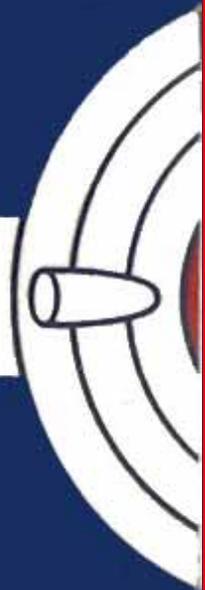


.22 Rim Fire Boxes
of the U.S.A.
ID. Reference

FEDERAL®



Federal Cartridge Corporation
Minneapolis, MN

Created and Edited By
Roger E. Huegel

2012

CONTRIBUTORS

THANKS

Special thanks to the following collectors for helping me with this project by supplying me with box images and sharing their knowledge. Presented in alphabetical order.

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For a more complete publication on Federal .22 boxes see:

*A Pictorial Summary
of Federal Cartridge Co. Rim Fire Ammunition
1924 Through 2013*

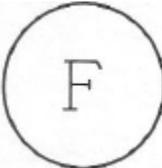
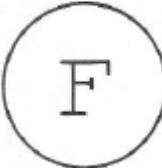
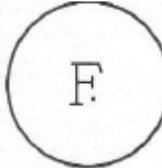
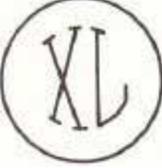
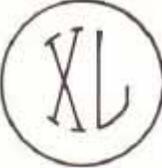
By David Frederickson

NOTE: None of the images in this publication were copied from this publication. All are either original Dunn images or original scans or photos sent in by collectors, or from my personal collection..

FEDERAL CARTRIDGE Co.

HEADSTAMPS (h/s)

Headstamp drawings courtesy of the RIMFIRE HEADSTAMP GUIDE by George Kass and Ron Merchant

F-6^	F-7	F-8	F-9	F-12
				
XI-1	XL-2	AL-1	HP-5	F-25
				
		F		
				

Some boxes are labeled as

SIMULATED IMAGE

These are the original Dunn B&W images that have been colorized, or artificially created in Photoshop.

This became necessary because many of the earlier boxes are very hard to find. These will be replaced with original scans if or when possible.

HISTORY



The original Federal plant as it appeared in 1917

On September 15, 1916, The Federal Cartridge and Machine Company was incorporated. Harry and Louis Sherman, two brothers, formed the company with a capitalization of \$500,000. Both brothers had gained ammunition experience working for the Sportsman Cartridge Company of Kansas City during 1913 and 1914. Leaving there, Harry went to work for the Western Cartridge Company and Louis went to work for the Brass and Metals Manufacturing Company of Kansas City, an early producer of contract military ammunition.

The Shermans planned to produce shotguns shells and to gain a military contract for World War I, which the United States had not yet entered, but several foreign nations known as the Allies, were at war and they were placing contracts with U.S. manufacturers for ammunition. Production was planned at Anoka, Minnesota. A new plant was constructed and the first shell was produced on January 5, 1917.

It appears the production was rather limited and they were unable to obtain financial success. They were not able to obtain the contracts from foreign militaries which they wanted. They were forced into a reorganization. On June 2, 1918, they became known as the Federal Cartridge Company. Sales did not improve. During August 1918, it was reported that they were only employing 20 people.

The Sherman brothers decided to leave their interest in the new company in 1918. Production was run by the remaining officers and continued until 1920, when the company again whet into financial disarray. Shell production was probably very limited during this period. The company failed to obtain any U.S. military war contracts, who were in the war by 1918, which would have provided a boost to their efforts. In 1920, the company filed for bankruptcy.

It is not clear what happened between 1920 until 1922. Production may have been halted during this period. In 1922, a group of local investors headed by Todd Lewis, who was a grain miller, purchased the plant and machinery. They renamed the company the Federal Cartridge Corporation. They hired Charles Horn to manage the new company.

Horn was born in a log cabin on a Iowa Farm. Upon graduation from high school, he entered Minnesota University to study forestry. Before completion of his degree, he switched his major to law and graduated in 1912 with a degree in law. He worked with several companies before joining the American Ball and Shot Company of Minneapolis in 1918. There he gained his first experience in the ammunition business.

HISTORY

Again, the first and only products of the new company was the production of shotgun shells. Business expanded under the leadership of Mr. Horn. It was not long until the need was there for new products to continue their growth. One way to grow was acquire another manufacturer. In 1924, Federal purchased the brands of the American Cartridge Company of Kansas City, MO, closing their plant and moving production to Anoka. Another way to grow was to create new products .22 rimfire ammunition was a logical new product.

The production of .22 rimfires required the specialized knowledge of a person who, had prior experience producing rimfire ammunition. M. Swope, who in the past had helped form the National Cartridge Company, then went to work for the Western Cartridge Company. He was hired to get Federal into the .22 rimfire business. At Federal, Mr. Swope was referred to as "Daddy". The first Federal .22" rimfire cartridge was offered for sale in 1924. Now, they had to sell their new production. Due to the restrictions placed upon the sporting goods dealers to carry only the products of the larger powder producers, Federal had to sell their products thru barber shops in the early days. A section of their 1932 catalog directs their salesmen to call on every hardware, garage, service station general store and gun club. They were all prospects for ammunition. As it continued to state "It is estimated that of all men over 18, ninety-five percent own a gun".

Their first offering of .22 rimfire cartridges was packed in a one-piece green and white box and was offered in Lesmok and smokeless powders. In 1928, they offered a non-corrosive priming, which they called "Non-Fouling". In 1931, they offered copper coated bullets. In 1932, they introduced their high velocity loadings, which they called "XL Xcess Speed".

They were able to offer new products almost at the same time as the major ammunition companies were introducing new concepts to the public. This speaks very well for the people who were in charge of product engineering at Federal. However, it was not until 1937 that Federal was able to introduce a completely new concept prior to development of the major producers.

This was their "Airlines". The first of the Airlines featured a smooth bullet, without grooves or cannellures. The idea was to reduce drag while the bullet was in flight. The high velocity loadings used Cadmium as a plating to form a dry finish. Federal, the same as most other companies soon found that a dry bullet finish fouled the bore of a gun, so they were forced to drop their cadmium plating and offer only a lubricated bullet. At that time, they also added a groove in the bullet to retain the lubrication.

Whatever the problems with the design of their Airlines were, they seemed have processed good accuracy. In the May 1937 issue of the American Rifleman, test reports state that the Airline Standard Velocity loading was able to average 1.4" groups at 100 yards. This was very competitive to the match grade ammunition of that period. The Airlines were discontinued in 1942 and replaced by new brand names, "Monark" and "Hi-Power".

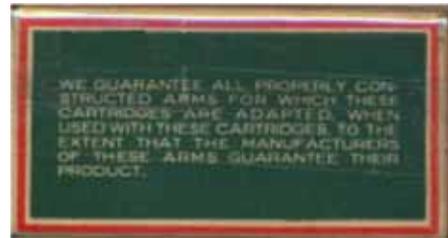
The military contracts of World War II allowed for a rapid growth. After the war, the sales of commercial ammunition was expanded. The equipment was purchased to allow for the production of centerfire rifle and pistol ammunition. Today, Federal is a full line manufacturer.

The .22 rimfire products of this company are cataloged in the following pages as they were developed and introduced to the market place. This company is still in business as after going thru a couple of ownership changes and they will continue to be a very interesting company for the collector of .22 rimfire ammunition.

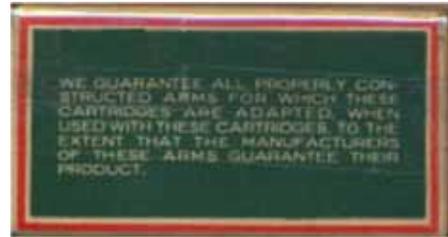
FEDERAL CARTRIDGE Co.

1924 HI-POWER Issues

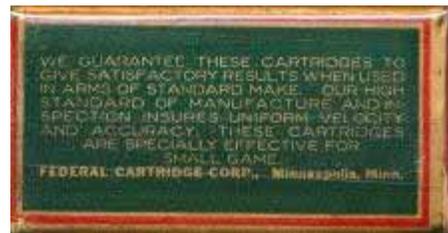
S-1



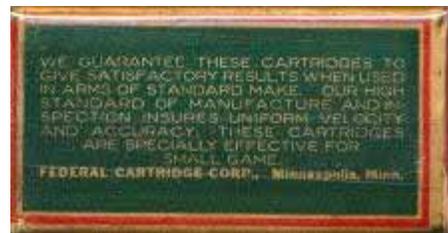
S-2



L-1



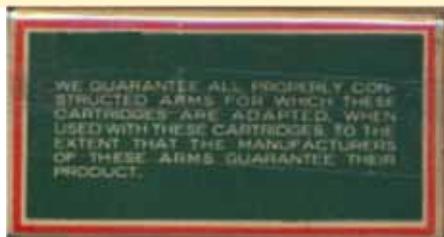
L-2



1924 HI-POWER Issues

In 1924, Federal introduced the first of their .22 rimfires. This product line was somewhat humble, as it only contained the best sellers of that period. This product line was the result of "Daddy" Swope, their product engineer. Swope came to Federal from the Western Cartridge Company, where he had gained a good knowledge of .22 rimfire production. No end flap warnings have been observed on this series.

"A" Bottom



"B" Bottom+



S-1 **.22 SHORT.** "LESMOK". Green and white box with white printing. One-piece box with end flaps. No product code. "F-7" h/s on a copper case. Lead bullets with IK,IS. "A" bottom.



S-2 **.22 SHORT.** "SMOKELESS". Green and white box with red and white printing. One-piece box with end flaps. No product code. "F-7" h/s on a copper case. Lead bullets with IK,IS. "A" bottom



L-1 **.22 LONG.** "LESMOK". Green and white box with red and white printing. One-piece box with end flaps. No product code. "F-7" h/s on a copper case. Lead bullets with IK. "B" bottom.



L-2 **.22 LONG.** "SMOKELESS". Green and white box with red and white printing. One-piece box with end flaps. No product code. "F-7" h/s on a copper case. Lead bullets with IK,IS.



FEDERAL CARTRIDGE Co.

1924 HI-POWER Issues

LR-1



LR-2



1924 HI-POWER Issues

LR-1 **.22 LONG RIFLE**. "LESMOK". Green and white box with red and white printing. One-piece box with end flaps. No product code. "F-7" h/s on a copper case. Lead bullets with 2K,IS. "B" bottom.



LR-2 **.22 LONG RIFLE**. "SMOKELESS". Green and white box with red and white printing. One-piece box with end flaps. No product code. "F-7" h/s on a copper case. Lead bullets with 2K,IS. "B" bottom.

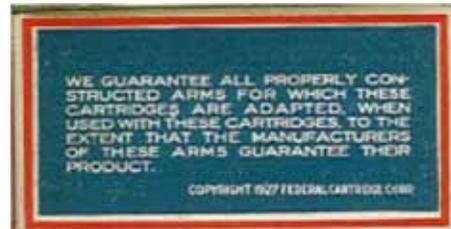
FEDERAL CARTRIDGE Co.

1928 "NON-FOULING" Issues

S-1



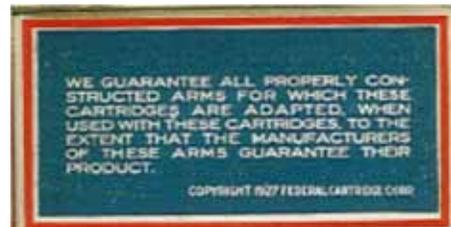
S-2



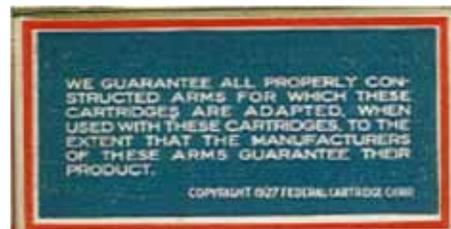
S-3



S-4



S-5



FEDERAL CARTRIDGE Co.

1928 "NON-FOULING" Issues

In 1928 Federal introduced their non-corrosive priming system, which they called "non-fouling". This development was just two years after Remington produced their first non-corrosive primers. They introduced hollow point bullets during this period. warnings noted during this period. Federal was on its way to making cartridges just as good as the big boys. No end flap warnings are noted during this period.

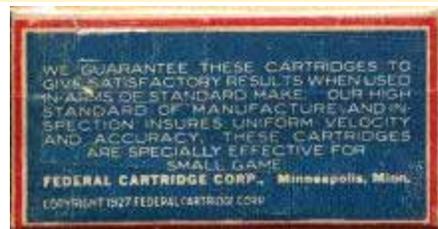
"A" Bottom



"A1" Bottom



"B" Bottom+



S-1 .22 SHORT. "LESMOK". Blue and white box with red and white printing. One-piece box with end flaps. No product code. "F-12" h/s on a copper case. Lead bullet with IK,IS. "A" bottom.



S-2 .22 SHORT. "SMOKELESS". Blue and white box with red and white printing. One-piece box with end flaps. No product code. "F-12" h/s on a copper case. Lead bullet with IK,IS.
(a) "A" bottom.
(b) "A1" bottom



S-3 .22 SHORT. "SMOKELESS". S-1 box with black "SMOKELESS" over-stamp in black. "F-12" h/s on a copper case. Lead bullet with IK,IS. "A" bottom.



S-4 .22 SHORT (HOLLOW POINT). "LESMOK". S-1 box over-stamped in black "HOLLOW POINT". Contents unknown.



S-5 .22 SHORT (HOLLOW POINT). "SMOKELESS". S-2 box over-stamped in black "HOLLOW POINT". Contents unknown.



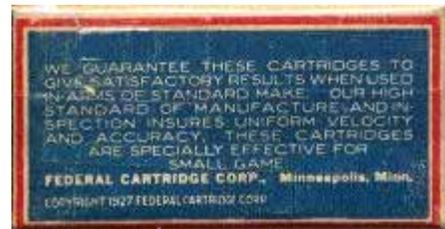
FEDERAL CARTRIDGE Co.

1928 "NON-FOULING" Issues

L-1



L-2



1928 "NON-FOULING" Issues

- L-1 **.22 LONG.** "LESMOK". Blue and white box with red and white printing. One-piece box with end flaps. No product code. "F-7" h/s on a copper case. Lead bullet with IK,IS. Variations noted:
- (a) "A" bottom.
 - (b) "B" Top hinged end flaps.
 - (c) "B" bottom with bottom hinged flaps.



- L-2 **.22 LONG.** "SMOKELESS". Blue and white box with red and white printing. One-piece box with end flaps. No product code. "F-7" h/s. Lead bullets with IK,IS. "B" bottom. Top hinged end flaps.



FEDERAL CARTRIDGE Co.

1928 "NON-FOULING" Issues

LR-1



LR-2



LR-3



LR-3.5



LR-4



FEDERAL CARTRIDGE Co.

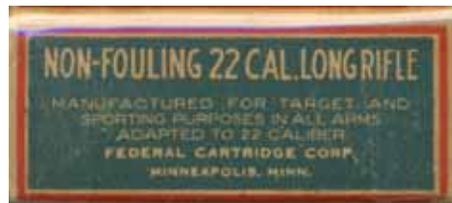
1928 "NON-FOULING" Issues

- LR-1 **.22 LONG RIFLE.** "LESMOK". Blue and white box with white and red printing. One-piece box with end flaps. No product code. "F-7" h/s on a copper case. Lead bullets with IK,IS. Variations noted:
(a) "A" bottom.
(b) "B" bottom.



- LR-2 **.22 LONG RIFLE (HOLLOW POINT).** "LESMOK". Same as LR-1 except the box top is over-stamped HOLLOW POINT in black ink.

- LR-3 **.22 LONG RIFLE.** "SMOKELESS". Blue and white box with white and red printing. One-piece box with end flaps. No product code. "F-7" h/s on a copper case. Lead bullets with IK,IS.



- LR-3.5 **.22 LONG RIFLE.** "SMOKELESS". Same as LR-3 except slight differences in fonts and spacing on bottom and side.

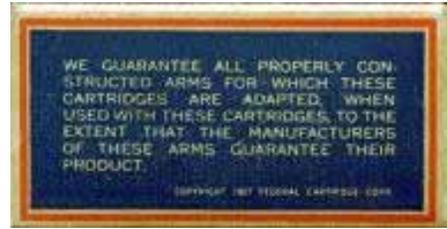


- LR-4 **.22 LONG RIFLE (HOLLOW POINT).** "SMOKELESS". Same as LR-3 except over-printed HOLLOW POINT in black ink.

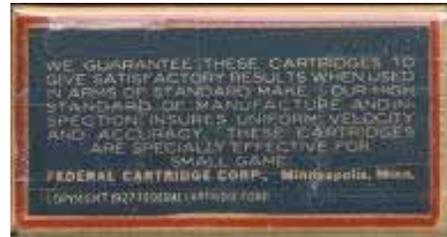
FEDERAL CARTRIDGE Co.

1931 "COPPER-COATED" Issues

S-0



S-1



S-2



FEDERAL CARTRIDGE Co.

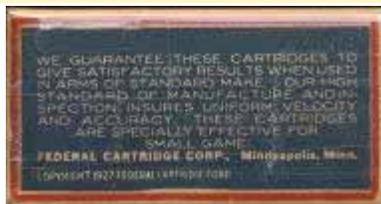
1931 "COPPER-COATED" Issues

In 1931 Federal introduced their line of dry bullet finish .22 rimfires. At first the 1925 boxes were over-stamped. At a later date, boxes were printed with the "Copper coated" printed on the box. Copper coated bullets were only offered in the smokeless powder solid nosed loadings. No end flap warnings noted.

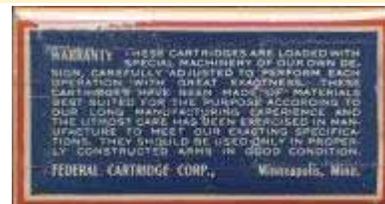
"A" Bottom



"B" Bottom+



"C" Bottom



S-0 **.22 SHORT.** "LESMOK". Green and white box with red and white printing. One-piece box with end flaps. No product code. Black "COPPER COATED" overprint.. ""A" bottom . Contents unknown



S-1 **.22 SHORT.** "SMOKELESS". Blue and white box with red and white printing. One-piece box with end flaps. No product code. "F-8" h/s on a copper case. Copper washed Lead bullets with 1K,1S. Black "COPPER COATED" overprint. Variations noted:



- (a) "A" bottom.
- (b) "B" bottom.
- (c) "C" bottom.

S-2 **.22 SHORT.** "SMOKELESS". Same as S-1 except now a printed box. No product code. Variations noted:



- (a) "A" bottom.
- (b) "B" bottom.
- (c) "C" bottom.

FEDERAL CARTRIDGE Co.

1931 "COPPER-COATED" Issues

L-1



L-2



1931 "COPPER-COATED" Issues

- L-1 .22 LONG. "SMOKELESS". Blue and white box with red and white printing. One-piece box with end flaps. No product code. "F-8" h/s on a copper case. Copper washed lead bullets with IK,LS. Black "COPPER COATED" overprint.
- (a) "A" bottom.
 - (b) "B" bottom.



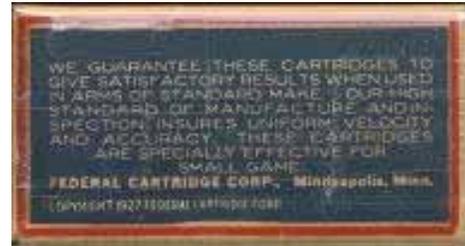
- L-2 .22 LONG. "SMOKELESS". Same as L-1 except now a printed box.
- Variations noted:
- (a) "A" bottom. No product code.
 - (b) "B" bottom No product code. Top hinged end flaps.
 - (c) "B" bottom Product code 22-2-SC on box ends.
 - (d) "C" bottom. Product code 22-2-SC on box ends.
 - (e) "B" bottom with bottom hinged flaps. No product code.



FEDERAL CARTRIDGE Co.

1931 "COPPER-COATED" Issues

LR-1



LR-2



LR-3

NO IMAGE
AVAILABLE

1931 "COPPER-COATED" Issues

- LR-1 **.22 LONG RIFLE.** "SMOKELESS". Blue and white box with red and white printing. One-piece box with end flaps. No product code. "F-8" h/s on a copper case. Copper washed lead bullets. Variations noted:
- (a) "A" bottom. Overprint in black ink.
 - (b) "B" bottom. Overprint in black ink.
 - (c) "B" bottom. Overprint in red ink.



- LR-2 **.22 LONG RIFLE.** "SMOKELESS". Same as LR-1 except the box is now printed COPPER COATED. Variations noted:
- (a) "A" bottom. No product code.
 - (b) "?" bottom. Product code 22-3-SC on end flaps.
 - (c) "B" bottom. Product code 22-1-SC

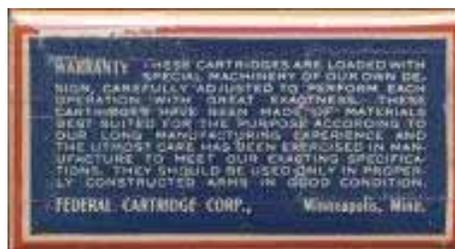


- LR-3 **.22 LONG RIFLE.** "LESMOK". Blue and white box with red and white printing. One-piece box with end flaps. No product code. "F-8" h/s on a copper case. Lead bullet with 2K. Black overprint. "B" bottom. 3 28 3 inside right end flap.

FEDERAL CARTRIDGE Co.

1928 "XL HI-POWER"

S-1



L-1



1928 "XL HI-POWER"

"XL" HI-POWER.

This should be a development loading for the "XL" issues. The 1928 style box has XL HI-POWER impressed into the top of the box. Warning stamped inside of end flap in black ink.



- S-1 .22 SHORT. (EXPERIMENTAL). "XL" HI-POWER. Same box as FCC-3-S-1. Bottom "C". Product code 22-1-SG on the ends. #3 end flap warning. This specimen contains a few copper cases with a "XL" h/s. This example's over-stamp is very faint..



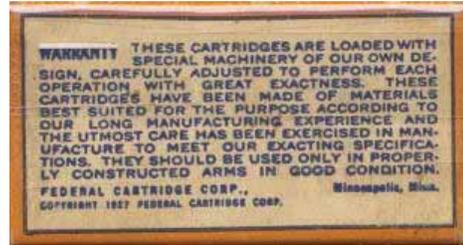
- L-1 .22 LONG (EXPERIMENTAL). "XL" HI-POWER. This should be a development loading for the "XL" issues. The 1928 style box has XL HI-POWER stamped in black ink on the top of the box.



FEDERAL CARTRIDGE Co.

1932 "XL XCESS SPEED" Issues

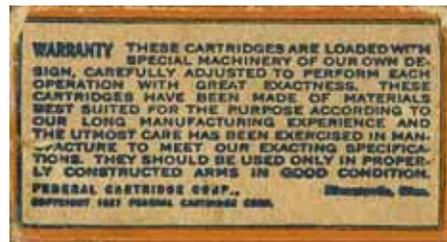
S-2



S-3



S-4



FEDERAL CARTRIDGE Co.

1932 "XL XCESS SPEED" Issues

In 1932 Federal introduced their first major offering in high velocity loadings which they called XL XCESS SPEED. A new packaging style was introduced to feature this new development. The bullets were cadmium plated, for which they were the only company to use this material for a dry bullet finish. While most of the other manufacturers used brass cases for their high speed loadings, Federal generally used copper cases. The "XL" issues were replaced by the Airline issues in 1937. See FCC-4.2 for the standard velocity counterpart of this issue.

#1 End Flap



#2 End Flap



#3 End Flap



#4 End Flap



S-2 **.22 SHORT. (HIGH VELOCITY).** Orange and blue box with white and orange printing. One-piece box with end flaps. No product code. Cadmium plated lead bullets with 2K. Variations noted:



- (a) No end flap warning.
- (b) #1 end flap warning. "XL-1" h/s on a copper case.
- (c) Same as (a) except bullet has 1K, 1S.
- (d) #2 end flap warning. "XL-2" h/s on a copper case.

S-3 **.22 SHORT (HIGH VELOCITY).** "GREASED". Green and red box with white printing. top now reads GREASED in silver ink. No h/s on a brass case. This would be close to end of the life of this issue after most companies found that dry bullets caused bore fouling. #2 end flap.

S-4 **.22 SHORT (HIGH VELOCITY-HOLLOW POINT).** Same as S-1 except for the hollow point wording on the top in silver ink. "XL-1" h/s on a copper case. Variations noted:

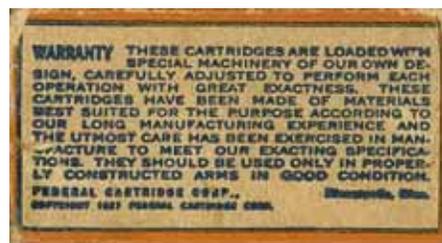


- (a) #1 end flap
- (b) #3 end flap
- (c) Same as above except overprint in red ink.
- (d) #4 end flap.

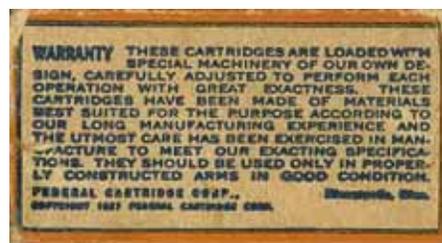
FEDERAL CARTRIDGE Co.

1932 "XL XCESS SPEED" Issues

L-1



L-2



L-3



FEDERAL CARTRIDGE Co.

1932 "XL XCESS SPEED" Issues

- L-1 **.22 LONG (HIGH VELOCITY).** Orange and blue box with orange and white printing. One-piece box with end flaps. No product code. "XL-2" h/s on a copper case. Cadmium plated lead bullets with IK,IS. Variations noted:
- (a) No end flap
 - (b) #2 end flap.



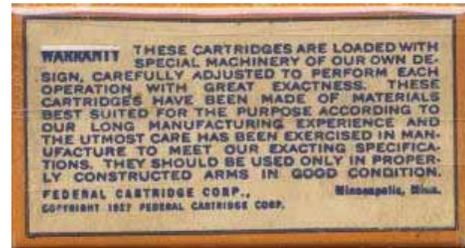
- L-2 **.22 LONG (HIGH VELOCITY-HOLLOW POINT).** Same as L-1, except for hollow point wording on the top. #2.end flap. Variations:
- (a) #3 end flap. HOLLOW POINT overprint in silver ink.
 - (b) #4 end flap. HOLLOW POINT overprint in red ink.

- L-3 **.22 LONG (HIGH VELOCITY).** "GREASED" Orange and blue box with orange and white printing. One-piece box with end flaps. GREASED in silver ink. #2 end flap. Contents are unknown.

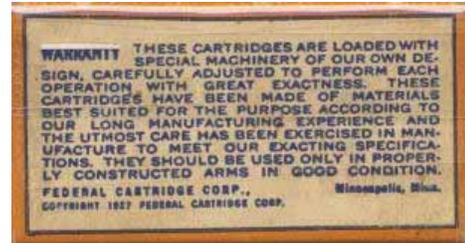
FEDERAL CARTRIDGE Co.

1932 "XL XCESS SPEED" Issues

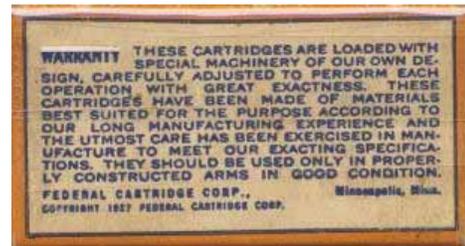
LR-1



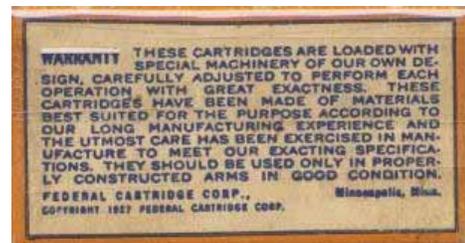
LR-2



LR-3



LR-4



FEDERAL CARTRIDGE Co.

1932 "XL XCESS SPEED" Issues

- LR-1 **.22 LONG RIFLE (HIGH VELOCITY)**. Orange and blue box with orange and white printing. One-piece box with end flaps. No product code. "XL-1" h/s on a copper case. Cadmium plated lead bullets. Variations noted:
- (a) No end flap warning.
 - (b) #1 end flap warning.
 - (c) #2 end flap warning.



- LR-2 **.22 LONG RIFLE (HIGH VELOCITY-HOLLOW POINT)**. Same as LR-1 (b). Hollow point wording on the ends. Variations noted:
- (a) HOLLOW POINT printed in silver ink.
 - (b) HOLLOW POINT printed in red ink.
 - (c) HOLLOW POINT overprint in black ink.



- LR-3 **.22 LONG RIFLE (HIGH VELOCITY)**. "GREASED". Same as LR-1 except GREASED added to the top in silver ink. #2 end flap.

- LR-4 **.22 LONG RIFLE (HIGH VELOCITY)**. "GREASED". Same as LR-1 except GREASED over-stamped on the top.

LR-4 Over-stamp Enhanced



FEDERAL CARTRIDGE Co.

1932 "XL XCESS SPEED" Issues

WRF-1



WRF-2



SIMULATED IMAGE



WRF-3



FEDERAL CARTRIDGE Co.

1932 "XL XCESS SPEED" Issues

Note: Federal probably had the following W.R.F. loadings produced for them by the Western Cartridge Company.

WRF-1 **.22 WIN. RIM FIRE (HIGH VELOCITY)**. Orange and blue box with orange and white printing. One-piece box with end flaps. No product code. Cadmium plated lead bullets. This loading may have been produced by Winchester for Federal. Introduced in 1933. Variations noted;

- (a) "XL-2" h/s on a copper case. #2 end flap warning.
- (b) No h/s on a copper case. #2 end flap warning.
- (c) No h/s on a brass case.



WRF-2 **.22 WIN. RIM FIRE (HIGH VELOCITY-HOLLOW POINT)**. Same as WRF-1 except for the hollow point wording on the top_ Variations:

- (a) HOLLOW POINT in silver ink.
- (b) HOLLOW POINT in red ink. #4 end flap.

WRF-3 **.22 WIN. RIM FIRE (HIGH VELOCITY)**. Same as WRF-1 but LUBRICATED overprinted in black ink .



FEDERAL CARTRIDGE Co.

1932 STANDARD VELOCITY Issues

BB-1



S-1



S-2



S-3



FEDERAL CARTRIDGE Co.

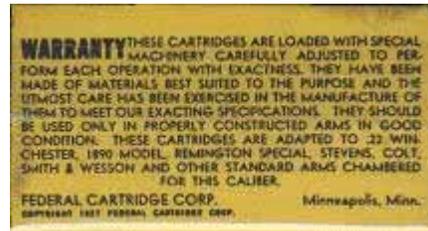
1932 STANDARD VELOCITY Issues

The 1932 introduction of the XL XCESS SPEED high velocity issues and the designed packaging of that issue caused a need for a redesign of the packaging of the standard velocity issues. This box design was probably also introduced in 1932 but that date is not secure. This issue did not sell well as these boxes are very difficult to locate at this date. Offered in copper coated or greased bullets. No end flap warning have been noted on these issues. This issue was replaced by the Airline issues in 1937.

"A" Bottom



"B" Bottom+



BB-1 .22 B.B. CAPS. "SMOKELESS COPPER COATED". Details of this box are unknown at this time. The B.B. was dropped from the product line by 1937 and must be considered to be rare.



S-1 .22 SHORT. "NON-CORROSIVE GREASED". Yellow and black box with white and black printing. One-piece box with end flaps. No product code. "F-8" h/s on a copper case. Lead bullets. The powder type is not specified on the box, but probably is LESMOK. "A" bottom.

S-2 .22 SHORT. "NON-CORROSIVE SMOKELESS". Same as S-1 except the powder type is now called out on the box top. The top no longer states greased. "F-7" h/s.



S-3 .22 SHORT. "NON-CORROSIVE COPPER COATED". Same as S-1 except the top now states COPPER COATED. "F-7" h/s. Lead bullet with 2K.



FEDERAL CARTRIDGE Co.

1932 STANDARD VELOCITY Issues

L-1



L-2



L-3



1932 STANDARD VELOCITY Issues

- L-1 **.22 LONG.** "NON-CORROSIVE GREASED". Yellow and black box with white and black printing. One-piece box with end flaps. No product code. "F-8" h/s on a copper case. Lead bullets. The powder type is not specified on the box, but probably is LESMOK. "A" bottom.
- L-2 **.22 LONG.** "NON-CORROSIVE SMOKELESS". Same as L-1 except the powder type is now called out on the box top. The top no longer states greased.
- L-3 **.22 LONG.** "NON-CORROSIVE COPPER COATED". Same as L-1 except the top now states COPPER COATED.

FEDERAL CARTRIDGE Co.

1932 STANDARD VELOCITY Issues

LR-1



LR-2



LR-3



1932 STANDARD VELOCITY Issues

LR-1 **.22 LONG RIFLE.** "NON-CORROSIVE GREASED". Yellow and black box with white and black printing. One-piece box with end flaps. No product code. "COPPER COATED" is blacked out. "F-8" h/s on a copper case. Lead bullets. The powder type is not specified, but probably is Lesmok. "A" bottom.



LR-2 **.22 LONG RIFLE.** "NON-CORROSIVE SMOKELESS". Same as LR-1 except the powder type is called out on top of the box. The no longer states greased.

LR-3 **.22 LONG RIFLE.** "NON-CORROSIVE". Same as LR-2 except the top now states COPPER COATED.

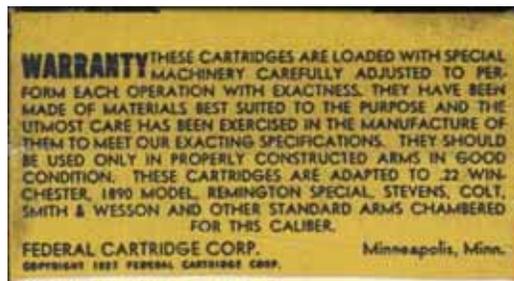
FEDERAL CARTRIDGE Co.

1932 STANDARD VELOCITY Issues

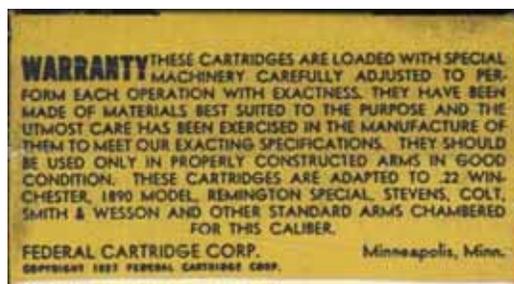
WRF-1



SIMULATED IMAGE



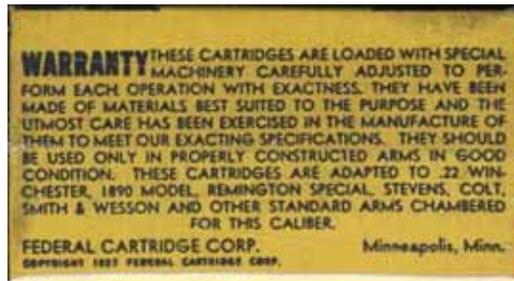
WRF-2



WRF-3



SIMULATED IMAGE



1932 STANDARD VELOCITY Issues

Note: The following WRF offerings were probably produced by the Western Cartridge Company for Federal.

WRF-1 .22 WIN. RIMFIRE. "NON-CORROSIVE". Yellow and black box with white and black printing. One-piece box with end flaps. No product code. Contents of the box are not known. This is a smokeless powder loading. "B" bottom.

WRF-2 .22 WIN. RIMFIRE. "NON-CORROSIVE COPPER COATED". Same as WRF-1 except the top now states COPPER COATED.



WRF-3 .22 WIN. RIMFIRE. "NON-CORROSIVE SMOKELESS". Same as WRF-2 except the top now states SMOKELESS.

FEDERAL CARTRIDGE Co.

1937 "AIRLINE" Issues

S-1



AIRLINE .22 CALIBER CARTRIDGES

We make a full line of .22 caliber rim fire cartridges—Short, Long, Long Rifle and W. R. F.

All Airline cartridges are loaded with lead lubricated bullets in brass shells. Hollow point bullets may be had only in the Airline high velocity line.

Our .22 cartridges are all primed with a real non-corrosive priming mixture which prevents corrosion and keeps the rifle barrel free of rust. They are all loaded with smokeless powder.



From the 1942 Federal dealer price list.

FEDERAL CARTRIDGE Co.

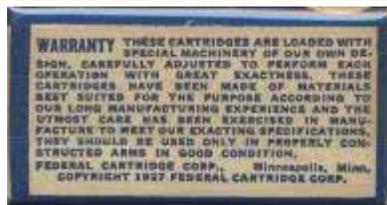
1937 "AIRLINE" Issues

In 1937 Federal introduced the most advanced .22 rimfire cartridge development of the 1930's and perhaps for all times. The "Airline" issues featured a smooth bullet without grease grooves or knurls. The idea behind this was to reduce drag or friction as the bullet passed thru the air on the way to the target. A most interesting concept and one that was reintroduced by Remington in the 1950s as their match profile bullet for the "Rifle Match" issues.

The high velocity offerings had bullets that were cadmium plated as a dry bullet lubrication. But, as most manufacturers found out, this produced excess bore wear. About 1938 the cadmium plating was dropped and replaced with lead lubricated, or later, copper coated bullets. The bullets with the lead lubricated finish had one large grease groove.

The standard velocity was packed in a red box and the high speed loading was packed in a blue box. The product life of this issue was short, but many variations have been noted. The Airline issues are very difficult for the collector to add to their collections. Advertisements for any federal cartridge company issues are seldom available. It seems that Federal advertised very little in the 1920s and 1930s and when they did they pushed conservation clauses. These issues were replaced by the Hi-Power loadings in 1942

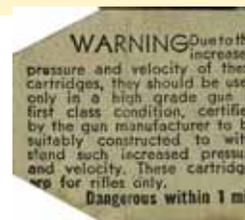
"A" Bottom



"B" Bottom+



#1 End Flap



S-1 .22 SHORT (STANDARD VELOCITY). "LEAD LUBRICATED". Red and white box with red, white and blue printing. One-piece box with end flaps. No product code. "AL-1" h/s on a copper case. Lead bullets with IK. No end flap warning.



FEDERAL CARTRIDGE Co.

1937 "AIRLINE" Issues

S-2



S-3



S-4



S-5



1937 "AIRLINE" Issues

- S-2 .22 SHORT (STANDARD VELOCITY). "COPPER COATED". Same as S-1 except top is now marked COPPER COATED. "B" bottom. No end flap warning.
- S-3 .22 SHORT (STANDARD VELOCITY). "GREASED BULLET". Same as S-1 except top is now marked GREASED BULLET. "B" bottom. No end flap warning.
- S-4 .22 SHORT (HIGH VELOCITY). "XCES8 SPEED CADMIUM PLATED". Blue and white box with red, white and blue printing. One-piece box with end flaps. No product code. "AL-1" h/s on a brass case. Lead bullets. #1 end flap warning. "B" bottom.
- S-5 .22 SHORT (HIGH VELOCITY-HOLLOW POINT). "XCESS SPEED CADMIUM PLATED HOLLOW POINT". Same as S-4 except for the hollow point wording on the top.

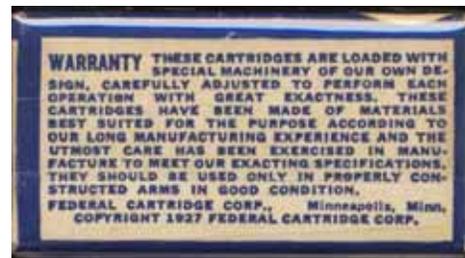
FEDERAL CARTRIDGE Co.

1937 "AIRLINE" Issues

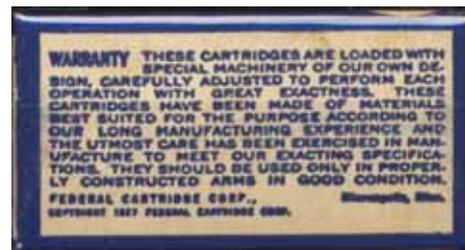
S-6



S-7



S-8



S-9



1937 "AIRLINE" Issues

S-6 .22 SHORT (HIGH VELOCITY-HOLLOW POINT). "XCESS SPEED CADMIUM PLATED HOLLOW POINT". Same as S-5 except the hollow point wording is now printed in the white square on the top.

S-7 .22 SHORT (HIGH VELOCITY). "XCESS SPEED LEAD LUBRICATED" Same as S-2 except for the change in bullet finish callout on top of the box. This box would have been produced after the cadmium finish was discontinued Variations noted:

- (a) "A" bottom.
- (b) "B" Bottom.



S-8 .22 SHORT (HIGH VELOCITY). This box has no callout for bullet finish. This is probably a printing error. #1 end flap warning. "B" bottom.

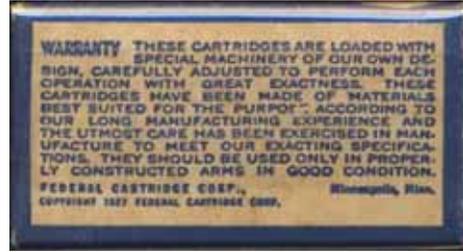
S-9 .22 SHORT. "LEAD LUBRICATED". S-2 box with COPPER COATED blacked out on top and ends and LEAD LUBRICATED over-stamped on top.



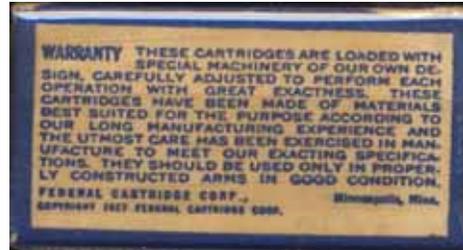
FEDERAL CARTRIDGE Co.

1937 "AIRLINE" Issues

S-10



S-11



1937 "AIRLINE" Issues

- S-10 SHORT (HOLLOW POINT). "XCESS SPEED LEAD LUBRICATED,".
Same as S-2 but with HOLLOW POINT wording on top and ends.



- S-11 .22 SHORT. "LEAD LUBRICATED". S-4 box with CADMIUM PLATED
blacked out on top and ends and LEAD LUBRICATED over-stamped on
top.



FEDERAL CARTRIDGE Co.

1937 "AIRLINE" Issues

L-1



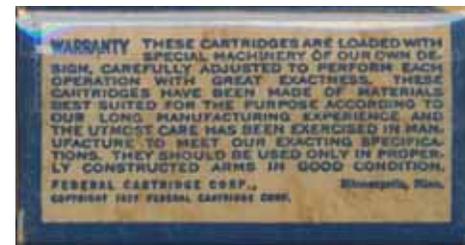
L-2



L-3



L-4



FEDERAL CARTRIDGE Co.

1937 "AIRLINE" Issues

L-1 .22 LONG (STANDARD VELOCITY). "LEAD LUBRICATED". Red and white box with red, white and blue printing. one-piece box with end flaps. "AL-1" h/s on a copper case. lead bullets. "B" bottom. No end flap warning.



L-2 .22 LONG (STANDARD VELOCITY). "COPPER COATED". Same as L-1 except for the change in bullet finish callout on the top of the box.

L-3 .22 LONG (STANDARD VELOCITY). "GREASED BULLET". Same as L-1 except for the change in the bullet finish callout on top of the box.

L-4 .22 LONG (HIGH VELOCITY). "XCESS SPEED CADMIUM PLATED". Blue and white box with red, white and blue printing. One-piece box with end flaps. No product code. "AL-1" h/s on a brass case. Cadmium plated lead bullet with no cannelures. "B" bottom.



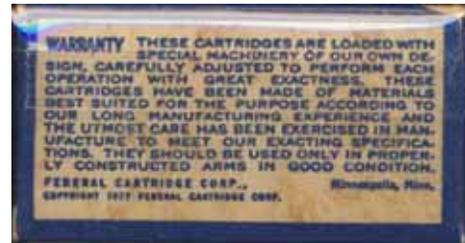
FEDERAL CARTRIDGE Co.

1937 "AIRLINE" Issues

L-5



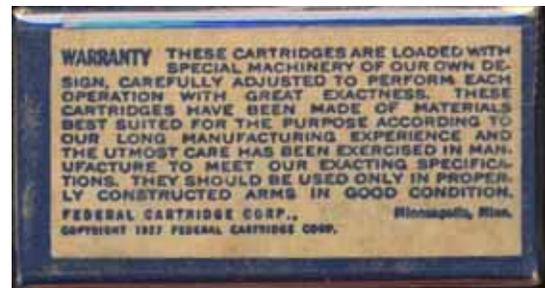
L-6



L-7



L-8



1937 "AIRLINE" Issues

L-5 .22 LONG (HIGH VELOCITY-HOLLOW POINT). "XCESS SPEED CADMIUM PLATED HOLLOW POINT". Same as L-4 except for the HOLLOW POINT wording on the top of the box. "B" bottom.

L-6 .22 LONG (HIGH VELOCITY). "XCESS SPEED LEAD LUBRICATED". Same as L-5 except for the bullet finish callout on top of the box. This box should have been produced after the cadmium plated finishes. Bullet now has 1k. Variations noted:
(a) "A" bottom. No end flap warning.
(b) "B" bottom. No end flap warning.
(c) "B" bottom. #1 end flap warning.



L-7 .22 LONG (HIGH VELOCITY). "XCESS SPEED LEAD LUBRICATED". Same as L-1 except red and white box. "B" bottom. This box is probably a factory error.

L-8 .22 LONG (HIGH VELOCITY-HOLLOW POINT). "LEAD LUBRICATED HOLLOW POINT". Same as L-1 except for the hollow point wording on the top and ends. Variations noted:
(a) "A" bottom.
(b) "B" bottom.



FEDERAL CARTRIDGE Co.

1937 "AIRLINE" Issues

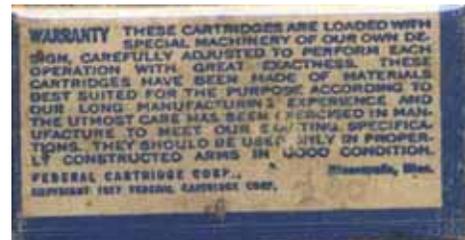
L-9



L-10



L-11



1937 "AIRLINE" Issues

L-9 .22 LONG (HIGH VELOCITY). This box has no callout in the white square on the top of the box. #1 end flap. "B" bottom. This is probably a printing error.

L-10 .22 LONG (HIGH VELOCITY-HOLLOW POINT). "LEAD LUBRICATED HOLLOW POINT". Appears to be like L-9 with blue over-stamp in call-out box stating HOLLOW POINT, Lead Lubricated.



L-11 .22 LONG (HIGH VELOCITY)-"LEAD LUBRICATED HOLLOW POINT". Same as L-10 except the over-stamp states XCESS SPEED, Lead Lubricated.



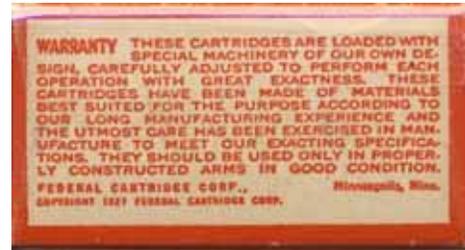
FEDERAL CARTRIDGE Co.

1937 "AIRLINE" Issues

LR-1



LR-2



LR-3



LR-4



FEDERAL CARTRIDGE Co.

1937 "AIRLINE" Issues

- LR-1 **.22 LONG RIFLE (STANDARD VELOCITY)**. "LEAD LUBRICATED". Red and white box with red, white and blue printing. One-piece box with end flaps. No product code. "AL-1" h/s on a copper case. Lead bullets with IK. Variations noted:
(a) "A" bottom. #1 end flap warning.
(b) "B" bottom. No end flap warning.



- LR-2 **.22 LONG RIFLE (STANDARD VELOCITY)**. "COPPER COATED". Same as LR-1 except for the change in the bullet finish callout on top of the box. No end flap warning.



- LR-3 **.22 LONG RIFLE (STANDARD VELOCITY)**. "LEAD LUBRICATED". Same as LR-2 except the copper coated has been blocked out and the box top overprinted LEAD LUBRICATED. #1 end flap warning. "B" bottom.

- LR-4 **.22 LONG RIFLE (STANDARD VELOCITY)**. "GREASED BULLET". Same as LR-1 except for the change in bullet finish callout on top of the box. "B" bottom. No end flap warning.

FEDERAL CARTRIDGE Co.

1937 "AIRLINE" Issues

LR-5



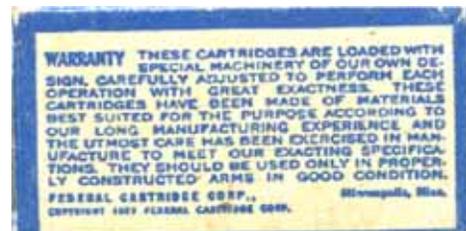
LR-6



LR-7



LR-8



1937 "AIRLINE" Issues

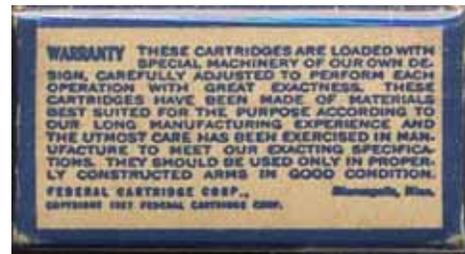
- LR-5 **.22 LONG RIFLE (HIGH VELOCITY).** "XCESS SPEED CADMIUM PLATED". Blue and white box with red, white and blue printing. One-piece box with end flaps. No product code. "AL-1" h/s on a brass case. Cadmium plated lead bullet without grooves. #1 end flap warning. "B" bottom.
- LR-6 **.22 LONG RIFLE (HIGH VELOCITY-HOLLOW POINT).** "XCESS SPEED CADMIUM PLATED HOLLOW POINT". Same as LR-5 except the word HOLLOW POINT has been printed on the top_ "B" bottom. #1 end flap.
- LR-7 **.22 LONG RIFLE (HIGH VELOCITY-HOLLOW POINT).** "XCESS SPEED CADMIUM PLATED HOLLOW POINT". Same as LR-6 except the hollow point wording is now in the white square on the lower part of the top. "B" bottom. #1 end flap.
- LR-8 **.22 LONG RIFLE (HIGH VELOCITY).** "XCESS SPEED LEAD LUBRICATED". This box was designed to have cadmium plated bullets but the cadmium plating wording has been blocked out and the top over-stamped LEAD LUBRICATED. This was a transitional box produced after the problems with dry bullet lubricated became known and before new boxes could be prepared. The bullets have no grooves but are greased. "B" bottom. #1 end flap.



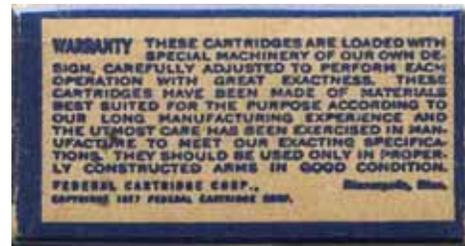
FEDERAL CARTRIDGE Co.

1937 "AIRLINE" Issues

LR-9



LR-10



LR-11



LR-12



FEDERAL CARTRIDGE Co.

1937 "AIRLINE" Issues

- LR-9 **.22 LONG RIFLE (HIGH VELOCITY)**. "XCESS SPEED LEAD LUBRICATED". This box would have followed LR-6 but now a printed bullet finish callout. #1 end flap warning. The bullets now have a 1K cannellure. Variations noted:
(a) "A" bottom.
(b) "B" bottom.
- LR-10 **.22 LONG RIFLE (HIGH VELOCITY-HOLLOW POINT)**. "HOLLOW POINT LEAD LUBRICATED". Same LR-9 except now in hollow point loading. #1 end flap. Variations noted:
(a) "A" bottom.
(b) "B" bottom.
- LR-11 **.22 LONG RIFLE (HIGH VELOCITY)**. This box has no information in the white square on the box top. This is probably a factory printing error. "B" bottom. #1 end flap.
- LR-12 **.22 LONG RIFLE (STANDARD VELOCITY)**. "LEAD LUBRICATED". Red box believed to be over-stamped in the white call-out box with blue ink Lead Lubricated.



FEDERAL CARTRIDGE Co.

1937 "AIRLINE" Issues

LR-12.5



LR-13



LR-13.5



1937 "AIRLINE" Issues

LR-12.5 .22 LONG RIFLE (STANDARD VELOCITY). "LEAD LUBRICATED".
Similar to LR-12 but red LEAD LUBRICATED o top.



LR-13 .22 LONG RIFLE (HIGH VELOCITY-HOLLOW POINT). "LEAD LUBRICATED". Believed to be over-stamped in the white call-out box with blue ink HOLLOW POINT, Lead Lubricated.



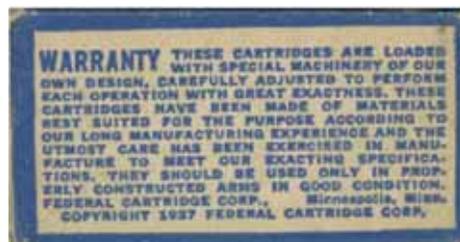
LR-13 .22 LONG RIFLE (HIGH VELOCITY-HOLLOW POINT). "LEAD LUBRICATED". Similar to LR-13.5 but actual printing in description box with standard fonts.



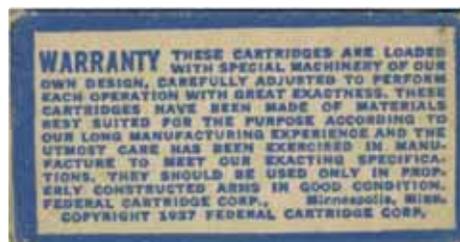
FEDERAL CARTRIDGE Co.

1941 "BULLSEYE" Issues

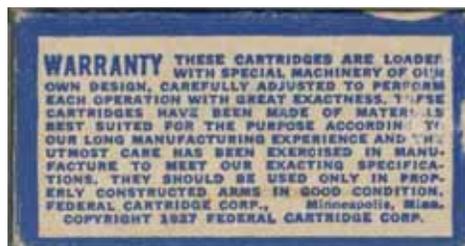
S-1



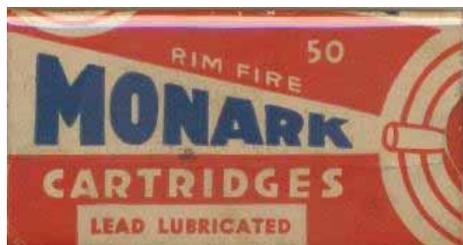
S-2



S-3



S-4



FEDERAL CARTRIDGE Co.

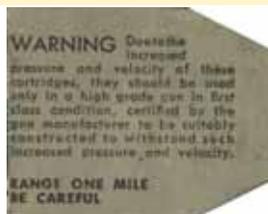
1941 "BULLSEYE" Issues

In 1941 a new style box was issued. "HI-POWER" is a high velocity load and "MONARK" is a standard velocity load. All are one-piece boxes with end flaps. All have lead bullets in brass cases. No load numbers were used.

End Flap "A"



End Flap "B"



S-1 .22 SHORT (HIGH VELOCITY). "HI-POWER XCESS SPEED". Blue and white box with red, white and blue printing_ "HP-5" h/s. Variations noted:

- (a) Brass case. "A" end flap.
- (b) Copper washed steel case. "A" end flap.
- (c) Brass case. "B" end flap.



S-2 .22 SHORT (DUMMY). Same as S-1 except a typed label has been added to the top stating "DUMMIES". The lower part of the case has been colored dark purple. "A" end flap.



S-3 .22 SHORT (HOLLOW POINT). "HI-POWER LEAD LUBRICATED". Blue and white box with red, white and blue printing. "HP-5" h/s Variations noted:

- (a) "A" end flap.
- (b) "B" end flap.



S-4 .22 SHORT (STANDARD VELOCITY). "MONARK LEAD LUBRICATED". Red and white box with white and blue printing. "HP-5" h/s. No end nap markings.



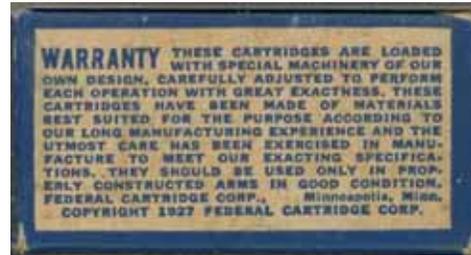
Common side



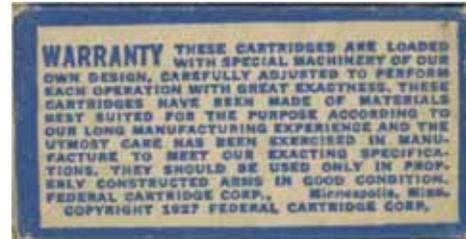
FEDERAL CARTRIDGE Co.

1941 "BULLSEYE" Issues

L-1



L-2



L-3



FEDERAL CARTRIDGE Co.

1941 "BULLSEYE" Issues

L-1 .22 LONG (HIGH VELOCITY). "HI-POWER XCESS SPEED". Blue and white box with red, white and blue printing. "HP-5" h/s. Variations noted:

- (a) "A" end flap.
- (b) "B" end flap.



L-2 .22 LONG (HOLLOW POINT). "HI-POWER LEAD LUBRICATED". Same as L-1 except "HOLLOW POINT" wording. "HP-5" h/s. Variations noted:

- (a) "A" end flap.
- (b) "B" end flap.

L-3 .22 LONG (STANDARD VELOCITY). "MONARK LEAD LUBRICATED". Red and white box with white and blue printing. "F-8" h/s. Variations noted:

- (a) Copper washed steel case.
- (b) Brass case.



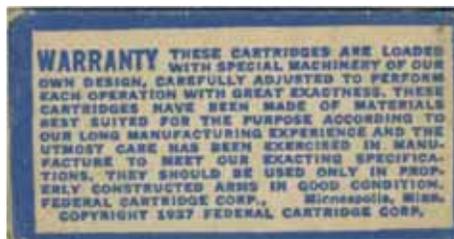
FEDERAL CARTRIDGE Co.

1941 "BULLSEYE" Issues

LR-1



LR-2



LR-3



FEDERAL CARTRIDGE Co.

1941 "BULLSEYE" Issues

LR-1 .22 LONG RIFLE (HIGH VELOCITY). "HIGH POWER XCESS SPEED". Blue and white box with red, white and blue printing. "HP-5" h/s. Variations noted:

- (a) "A" end flap.
- (b) "B" end flap.



LR-2 .22 LONG RIFLE. (HOLLOW POINT). "HI-POWER HOLLOW POINT". Same as LR-1 except "HOLLOW POINT" wording. "BP-5" h/s. Variations noted:

- (a) "A" end flap.
- (b) "B" end flap.



LR-3 .22 LONG RIFLE (STANDARD VELOCITY). "MONARK LEAD LUBRICATED" Red and white box with white and blue printing. "F-8" h/s. Variations noted:

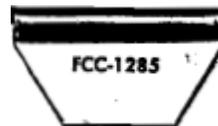
- (a) No end flap warning.
- (b) Zinc coated steel case. "E" end flaps.
- (c) Zinc coated steel case. "F" end flaps.
- (d) "C" end flap dates 1943, 1944, 1945, 1946, and 1947.
- (e) "D" end flap No. FCC 1283, 1285, 1292, 1294, 1297 and 1299.



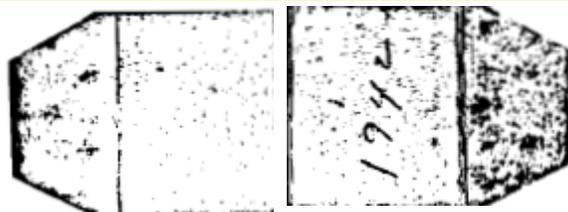
End Flap "C"



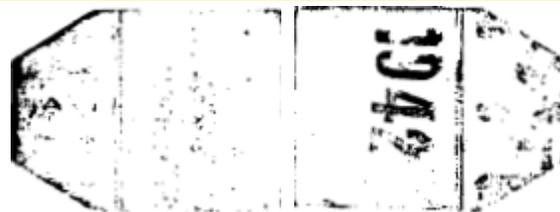
End Flap "D"



End Flap "E"



End Flap "F"



1942 "impressed" into left flaps

FEDERAL CARTRIDGE Co.

1950 "BULLSEYE" ® Issues

S-1



S-1,5



S-2



S-3



L-1

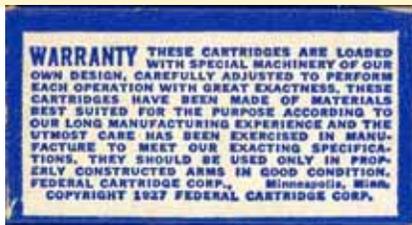


FEDERAL CARTRIDGE Co.

1950 "BULLSEYE" ® Issues

In 1950, the box style of 1941 issues were updated to show a ® after "HI-POWER". This box remained in use until 1962 with only the addition of a LOAD No. on the ends and "MADE IN U.S.A." on the bottom. All boxes are marked "LEAD LUBRICATED". "HP-5" h/s on a brass case. Lead bullet.

"A" Bottom



"B" Bottom



Flap Warning



S-1 **.22 SHORT (HIGH VELOCITY)**. "HI-POWER XCESS SPEED". Blue and white box with red, white and blue printing. Variations noted:

- (a) No load No.
- (b) Load No. 701. "A" bottom.
- (c) Load No. 701. "B" bottom.
- (d) Load No. 701. "B" bottom. Copper plated bullet.



S-1.5 **.22 SHORT (HIGH VELOCITY)**. "HI-POWER XCESS SPEED". Blue and white box with red, white and blue printing. Load No. 701. "B" bottom. with red S.A.A.M.I. over-stamp

S-2 **.22 SHORT (HOLLOW POINT)**. "HI-POWER HOLLOW POINT". Same as S-1 except HOLLOW POINT wording. Variations noted:

- (a) Load No. 703. "A" bottom.
- (b) Load No. 703. "B" bottom.
- (c) Load No. 703. "B" bottom. Copper plated hollow point bullet.



S-3 **.22 SHORT (STANDARD VELOCITY)**. "MONARK". Red and white box with white and blue printing. Load No. 702. "F-8" h/s. "B" bottom



L-1 **.22 LONG (HIGH VELOCITY)**. "HI-POWER XCESS SPEED". Blue and white box with red, white and blue printing. Load No. 706. Variations noted:

- (a) No load No. "A" bottom. "F-8" h/s.
- (b) Load No. 706. "A" bottom.
- (c) Load No. 706. "B" bottom.
- (d) Load No. 706. "B" bottom. Copper plated bullet.



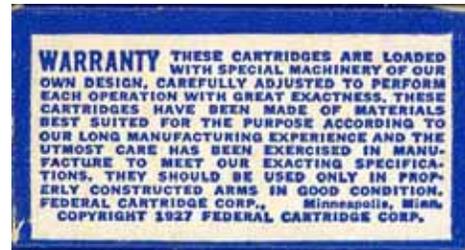
FEDERAL CARTRIDGE Co.

1950 "BULLSEYE" ® Issues

LR-1



LR-2



LR-3



LR-4



FEDERAL CARTRIDGE Co.

1950 "BULLSEYE" ® Issues

LR-1 **.22 LONG RIFLE. (HIGH VELOCITY).** "HI-POWER XCESS SPEED" Blue and white box with red, white and blue printing. Variations noted:

- (a) No load No.
- (b) Load No. 710. "A" bottom.
- (c) Load No. 710. "B" bottom.
- (d) Load No. 710. "B" bottom. Copper plated bullet.



LR-2 **.22 LONG RIFLE (HIGH VELOCITY).** "HI-POWER XCESS SPEED". Same as LR-1(b) except a typed label has been added to the top stating "DUMMIES". The lower part of the case has been colored dark purple. Brass case with lead bullet and a mixture of "HP-5" and "F-8" h/s.

LR-3 **.22 LONG RIFLE (HOLLOW POINT).** "HI-POWER EXCESS SPEED". Same as LR-1 except for hollow point wording on top and ends. Load No. 712.

Variations noted:

- (a) "A" bottom.
- (b) "B" bottom.
- (c) "B" bottom. Copper plated hollow point bullet.



LR-4 **.22 LONG RIFLE. (STANDARD VELOCITY).** "MONARK, LEAD LUBRICATED". Red and white box with white and blue printing. Load No. 711. "F-8" h/s. Variations noted:

- (a) No Load No. "A" bottom. "A" end flap.
- (b) "A" bottom. "A" end flap.
- (c) "B" bottom. "B" end flap.
- (d) "B" bottom. "B" end flap. Copper plated bullet.
- (e) "A" bottom. "C" end flap. Numbers: 1279, 1292, 1294, 1299. 1301, 1302, 1304, 1308, 1309, 1322, 1323. 1328, 1330, 1331, 1332, 1337, 1339. 1341, and 1344.
- (f) "B" bottom. "C" end flap.
- (g) "A" bottom. "C" end flap. No product code on ends.



End Flap "A"



End Flap "B"



End Flap "C"



End Flap "D"



FEDERAL CARTRIDGE Co.

Early 1962 "BULLSEYE" ® Issues CHILD WARNING Over-Label

S-1



S-2



S-3



S-4



FEDERAL CARTRIDGE Co.

Early 1962 "BULLSEYE" ® Issues CHILD WARNING Over-Label

In 1962 the Consumer Product Safety Commission mandated that all boxes carry a child warning on them. To use up their boxes on hand Federal added a warning over-label to the tops. "F-8" h/s.

Warning "A"



Warning "B"



Warning "C"



- S-1 **.22 SHORT (HIGH VELOCITY).** "HI-POWER XCESS SPEED". Blue and white box with red, white and blue printing. Load No. 701. Variations noted:
(a) "A" warning.
(b) "B" warning.
- S-2 **.22 SHORT (HOLLOW POINT).** "HI-POWER XCESS SPEED". Same as S-1 except HOLLOW POINT wording. Load No. 703. Variations noted:
(a) "A" warning. Copper plated bullet.
(b) "B" warning.
- S-3 **.22 SHORT (STANDARD VELOCITY).** "MONARK". Red and white box with white and blue printing. Load No. 702. Variations noted:
(a) "A" warning.
(b) "B" warning.
(c) "C" warning. "MAY 1962" on end flaps.
- S-4 **.22 SHORT (LOW VELOCITY).** "MONARK". Same as S-3(a) "SPECIAL LOW VELOCITY" over-printed on top. Produced for the Advanced Marksmanship Training Unit at Fort Benning GA.

FEDERAL CARTRIDGE Co.

Early 1962 "BULLSEYE" ® Issues CHILD WARNING Over-Label

L-1



LR-1



LR-2



LR-3



**Early 1962 "BULLSEYE" ® Issues
CHILD WARNING Over-Label**

- L-1 **.22 LONG (HIGH VELOCITY).** "HI-POWER XCESS SPEED". Blue and white box with red, white and blue printing. Load No. 706. Variations noted:
(a) "A" warning.
(b) "B" warning.
- LR-1 **.22 LONG RIFLE. (HIGH VELOCITY).** "HI-POWER XCESS SPEED". Blue and white box with red, white and blue printing. Load No. 710. Variations noted:
(a) "A" warning.
(b) "B" warning.
- LR-2 **.22 LONG RIFLE (HOLLOW POINT).** "HI-POWER XCESS SPEED". Same as LR-1 except HOLLOW POINT wording. Load No. 712. Variations noted:
(a) "A" warning.
(b) "B" warning.
- LR-3 **.22 LONG RIFLE (STANDARD VELOCITY).** "MONARK". Red and white box with white and blue printing. Load No. 711. Variations noted:
(a) "A" warning.
(b) "B" warning.

FEDERAL CARTRIDGE Co.

Late 1962 "BULLSEYE" Issues
CHILD WARNING Printed on Top

S-1



S-2



S-3



S-4



L-1



FEDERAL CARTRIDGE Co.

Late 1962 "BULLSEYE" Issues CHILD WARNING Printed on Top

In late 1962 a new box-design was introduced that carried a child warning printed on the top of the box. The boxes are one-piece with Load. No. on the end flap.. All Have brass cases

Flap Warning



S-1 .22 SHORT (VELOCITY). "HI-POWER". Blue and white box with red and white printing. Load No. 701. "F-8" h/s. Copper plated 'bullet.



S-2 .22 SHORT (HOLLOW POINT). "HI-POWER". Same as S-1 except HOLLOW POINT wording. Load No. 703. Variations noted:
(a) "HP-5" h/s

S-3 .22 SHORT (STANDARD VELOCITY). "MONARK". Red and white box with white and blue printing. Load. No. 702. Lead bullet. "F-8" h/s



S-4 .22 SHORT (MATCH). "MONARK INTERNATIONAL MATCH SHORTS". Same as S-3 except for over-print added. to the top. This box was produced in 1963 only



L-1 .22 LONG (HIGH VELOCITY). "HI-POWER". Blue and white box with red and white printing. Load No. 706. "F-8" h/s. Copper plated bullet.



FEDERAL CARTRIDGE Co.

Late 1962 "BULLSEYE" Issues
CHILD WARNING Printed on Top

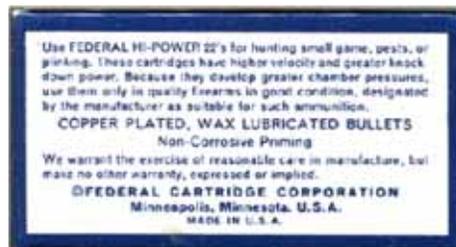
LR-1



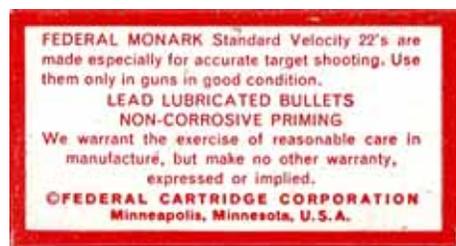
LR-2



LR-3



LR-4



FEDERAL CARTRIDGE Co.

Late 1962 "BULLSEYE" Issues CHILD WARNING Printed on Top

- LR-1 .22 LONG RIFLE (HIGH VELOCITY). "HI-POWER". Blue and white box with red white printing. Load No. 710. Copper plated bullet. Variations noted:
(a) "HP-5" h/s.
(b) "F-8" h/s.



- LR-2 .22 LONG RIFLE (DUMMY). "HI-POWER". Same as LR-1(b) except a "DUMMY" label has been taped on top. One hole in the aide of the case near the head of the case. "F-8" h/s. Copper plated bullet.



- LR-3 .22 LONG RIFLE (HOLLOW POINT). "HI-POWER". Same as LR-1(b) except for HOLLOW POINT wording. Load No. 712.



- LR-4 .22 LONG RIFLE (STANDARD VELOCITY). "MONARK". Red and white box with white and blue printing. Load No. 711. Lead bullet. "F-8" h/s.



FEDERAL CARTRIDGE Co.

Late 1962 "BULLSEYE" Issues
CHILD WARNING Printed on Top

LR-5



Loaded with No. 12 shot, using smokeless powder and non-corrosive priming. For use in smooth bore weapons. Because of the high pressure and velocity developed by these cartridges, they should be used only in guns in first class condition, recommended by the manufacturer for use with this type of ammunition.

We guarantee reasonable care in the manufacture of this ammunition, but assume no further responsibility.

FEDERAL CARTRIDGE CORP., Minneapolis, Minn.
- COPYRIGHT 1961 BY FEDERAL CARTRIDGE CORP.
MADE IN U.S.A.

LR-6



Loaded with No. 12 shot, using smokeless powder and non-corrosive priming. For use in smooth bore weapons. Because of the high pressure and velocity developed by these cartridges, they should be used only in guns in first class condition, recommended by the manufacturer for use with this type of ammunition.

We warrant the exercise of reasonable care in manufacture, but make no other warranty, expressed or implied.

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MADE IN U.S.A.

FEDERAL CARTRIDGE Co.

Late 1962 "BULLSEYE" Issues CHILD WARNING Printed on Top

- LR-5 .22 LONG RIFLE (SHOT). "HI-POWER". White box with red and blue printing. Load No. 716. Rose crimped. This box was produced in Feb. 1962 only. Variations noted:
- (a) "HP-5" h/s.
 - (b) "F-8" h/s.



- LR-6 .22 LONG RIFLE (SHOT). "HI-POWER". Blue and white box with red, white and blue printing. Load No. 716. Rose crimped Brass case. #12 shot. Introduced in late 1962 to replace LR-5. Variations noted:
- (a) "HP-5" h/s.
 - (b) "F-8" h/s.



FEDERAL CARTRIDGE Co.

1967-1972 Issues

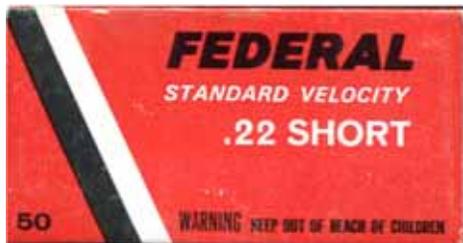
S-1



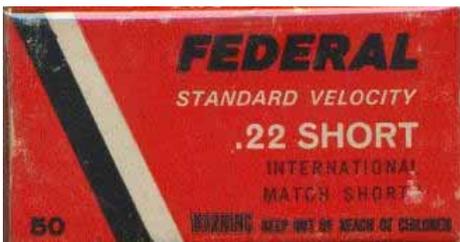
S-2



S-3



S-4



S-5



FEDERAL CARTRIDGE Co.

1967-1972 Issues

First introduced in 1967 and discontinued in 1973. Red, one-piece box with white and black printing. "F-8" h/s on a brass case.

S-1 .22 SHORT (HIGH VELOCITY). Load No. 701. Copper plated bullet. Variations noted:

- (a) "B" bottom. Plastic tray.
- (b) "C" bottom. Plastic tray.



S-2 .22 SHORT (HOLLOW POINT). Load No. 703. Copper plated bullet. Variations noted:

- (a) "B" bottom. Plastic tray.



S-3 .22 SHORT (STANDARD VELOCITY). Load No. 702. Lead bullet. Variations noted:

- (a) "D" bottom. Cardboard tray.
- (b) "D" bottom. Plastic tray.



S-4 .22 SHORT (STANDARD VELOCITY). "INTERNATIONAL MATCH SHORTS". Same as S-3 except with a over-print on top.



S-5 .22 SHORT (HIGH VELOCITY). "S.A.A.M.I. REFERENCE CARTRIDGES" Load No. 701. Copper plated bullet. "B" bottom. Cardboard tray. Over-stamped on the bottom.



"A" Bottom



"B" Bottom



"C" Bottom



"D" Bottom



"E" Bottom



FEDERAL CARTRIDGE Co.

1967-1972 Issues

L-1



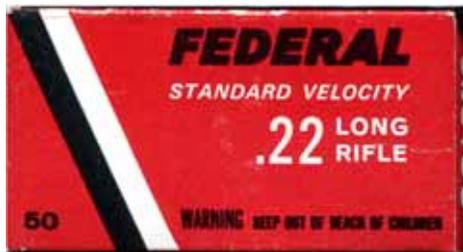
LR-1



LR-2



LR=3



LR-4



FEDERAL CARTRIDGE Co.

1967-1972 Issues

L-1 .22 LONG (HIGH VELOCITY). Load No. 706. Copper plated bullet. Variations noted:

- (a) "B" bottom. Cardboard. tray.
- (b) "C" bottom.



LR-1 .22 LONG RIFLE (HIGH VELOCITY). Load No. 710. Copper plated bullet. Variations noted:

- (a) "A" bottom. Plastic tray.
- (b) "B" bottom. Plastic tray.
- (c) "A" bottom. Cardboard tray. "F-9" h/s. (loaded by REM.)
- (d) "F" bottom. Plastic tray.



LR-2 .22 LONG RIFLE (hollow POINT). Load No. 712. Copper plated bullet. Variations noted:

- (a) "B" bottom. Cardboard tray.
- (b) "C" bottom. Plastic tray.



LR-3 .22 LONG RIFLE (STANDARD VELOCITY). Load No. 711. Lead bullet. Variations noted:

- (a) "D" bottom. Plastic tray.
- (b) "D" bottom. Cardboard tray.



LR-4 .22 LONG RIFLE (SHOT). Load No. 716. Variations noted:

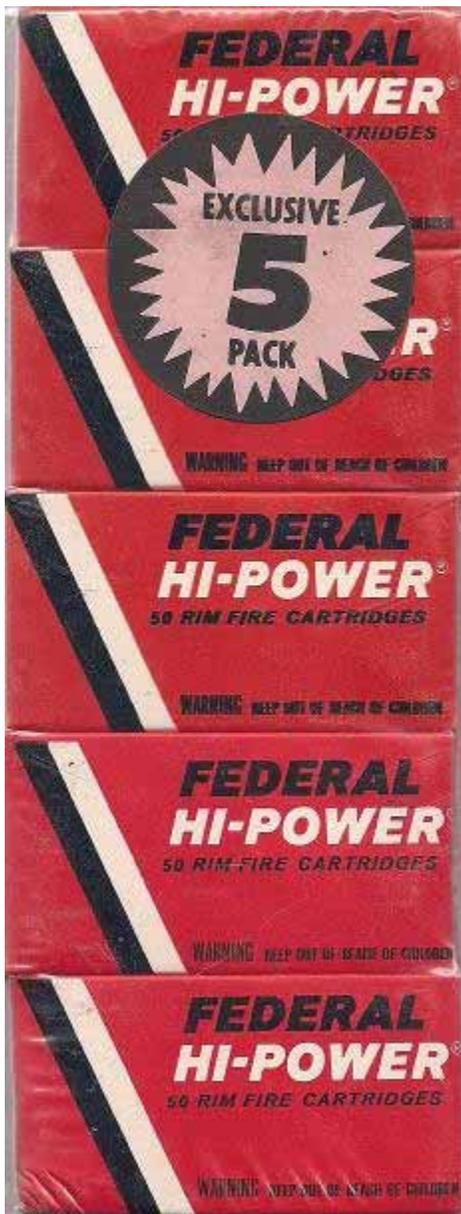
- (a) Plastic tray.
- (b) Cardboard tray.



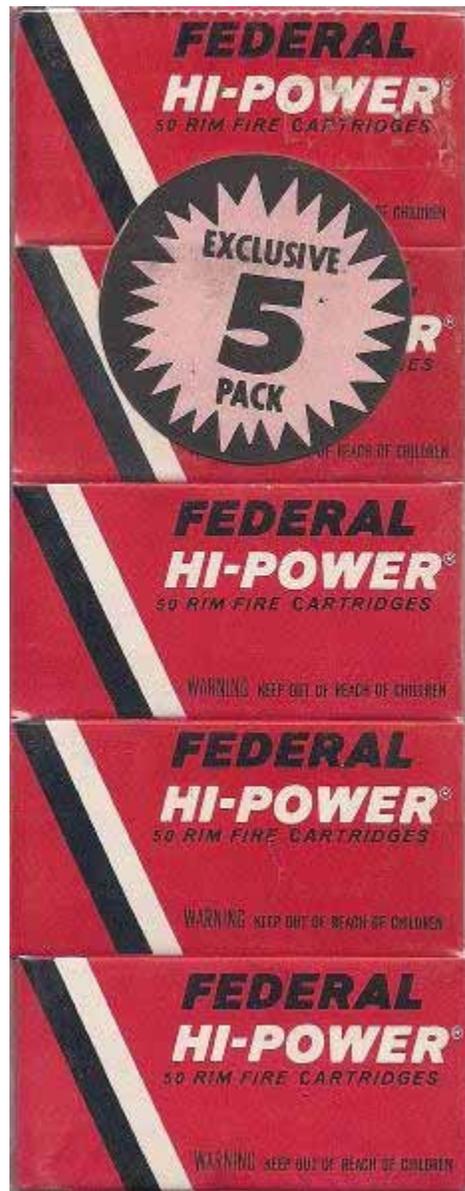
FEDERAL CARTRIDGE Co.

1967-1972 Issues
5-PACKS

S-6



LR-6



S-6 Bottom

Use FEDERAL HI-POWER 22's for hunting small game, pests, or plinking. These cartridges have higher velocity and greater knock-down power. Because they develop greater chamber pressures, use them only in quality firearms in good condition, designated by the manufacturer as suitable for such ammunition.

COPPER PLATED, WAX LUBRICATED BULLETS
Non-Corrosive Priming

We warrant the exercise of reasonable care in manufacture, but make no other warranty, expressed or implied.

MANUFACTURED IN THE U.S.A.
FEDERAL CARTRIDGE CORPORATION
Minneapolis, Minnesota, 55402, U.S.A.

"FEDERAL" AND "HI-POWER" ARE TRADEMARKS REGISTERED IN THE U.S. PATENT OFFICE

LR-6 Bottom

Use FEDERAL HI-POWER 22's for hunting small game, pests, or plinking. These cartridges have higher velocity and greater knock-down power. Because they develop greater chamber pressures, use them only in quality firearms in good condition, designated by the manufacturer as suitable for such ammunition.

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FEDERAL CARTRIDGE Co.

1967-1972 Issues 5-PACKS

S-6 .22 SHORT (HIGH VELOCITY). "HI-POWER". Same as S-1 but in a five-pack.

LR-6 .22 LONG RIFLE (HIGH VELOCITY). "HI-POWER". Same as LR-1 but in a five-pack.

S-1 Ends



LR-1 Ends



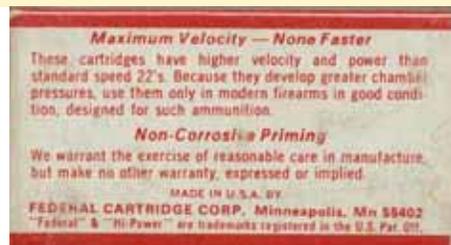
FEDERAL CARTRIDGE Co.

1973-1991 Issues (Bottoms)

"A" Bottom



"B" Bottom



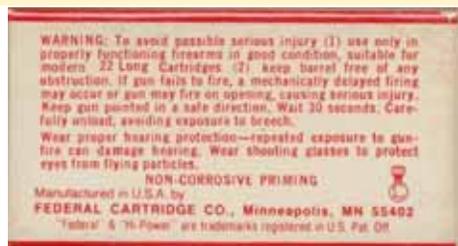
"C" Bottom



"D" Bottom



"E" Bottom



"F" Bottom



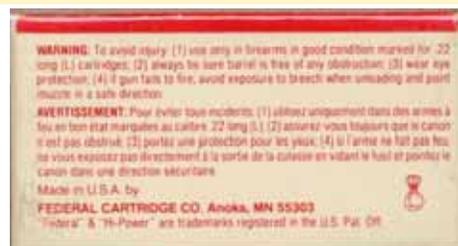
"G" Bottom



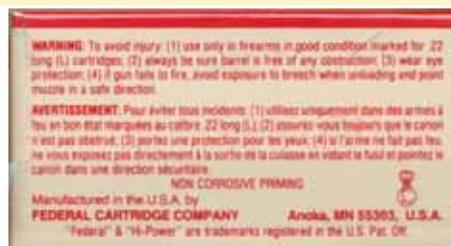
"H" Bottom



"I" Bottom



"J" Bottom



FEDERAL CARTRIDGE Co.

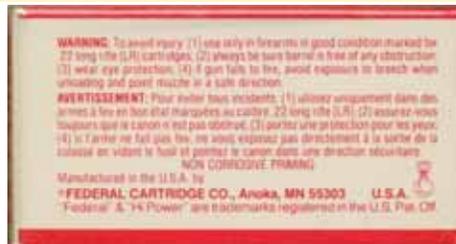
1973-1991 Issues (Bottoms)

This series was introduced in 1973 and discontinued in 1991. "HI-POWER" (high velocity) boxes are red one-piece boxes with white, gold and black printing. "F-8" h/s on a brass case. Copper plated bullets. "CHAMPION" (standard velocity) boxes are white and gold with red, gold, white and black printing. Lead bullets.

"K" Bottom



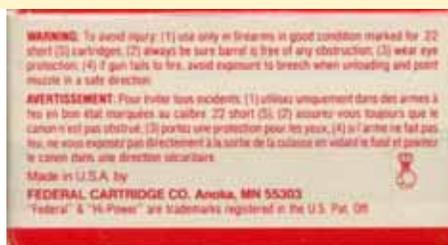
"L" Bottom



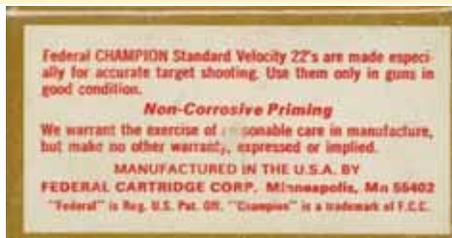
"M" Bottom



"N" Bottom



"O" Bottom



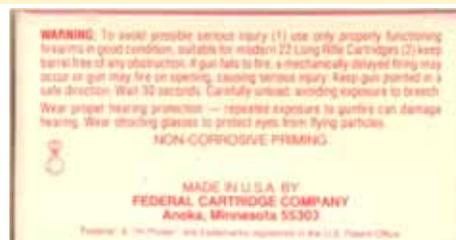
"P" Bottom



"Q" Bottom



"U" Bottom



"R", "S", and "T" bottoms
Located on LR-8 & LR-9 Bird Shot page.

FEDERAL CARTRIDGE Co.

1973-1991 Issues (Short)

S-1



S-1.5



S-2



S-3



S-4



FEDERAL CARTRIDGE Co.

1973-1991 Issues (Short)

S-1 **.22 SHORT (HIGH VELOCITY)**, "HI-POWER". LOAD No. 701. Variations noted:

- (a) "N" bottom. W/BC.
- (b) "M" bottom. W/BC



EXAMPLE of Bar Code on backs



S-1.5 **.22 SHORT (HIGH VELOCITY)**, "HI-POWER". S-1 box with green "FACTORY BLEMISH" over-label



S-2 **.22 SHORT (MAXIMUM VELOCITY)**, "HI-POWER". Load No. 701. Variations noted:

- (a) "A" bottom.
- (b) "C" bottom.
- (c) "D" bottom.
- (d) "D" bottom. W/BC.
- (e) "F" bottom. W/BC.
- (f) "N" bottom. W/BC.
- (g) "E" bottom. W/BC.



EXAMPLE of no Bar Code on backs



S-3 **.22 SHORT (HOLLOW POINT MAXIMUM VELOCITY)**, "HI-POWER". Load No. 703. Variations noted:

- (a) "C" bottom.
- (b) "D" bottom.
- (c) "D" bottom. W/BC.
- (d) "F" bottom. W/BC.
- (e) "A" bottom.



S-4 **.22 SHORT (STANDARD VELOCITY)**, "CHAMPION". Load No. 702. Variations noted:

- (a) "O" bottom.
- (b) "P" bottom.



NOTE: W/BC =With Bar Code.

FEDERAL CARTRIDGE Co.

1973-1991 Issues (CB Long)

CBL-1



CBL-2



FEDERAL CARTRIDGE Co.

1973-1991 Issues (CB Long)

CBL-1 .22 CB LONG (HIGH VELOCITY). "HI-POWER". Load No. 700CB. "J" bottom
With "HIGH VELOCITY" on top. W/BC.



CBL-2 .22 CB LONG (REDUCED VELOCITY). "HI-POWER". Same as CBL-1 but No
"HIGH VELOCITY" on top. Load No. 700CB. W/BC.

Variations noted:

- (a) "J" bottom. W/BC
- (b) "M" bottom. W/BC



FEDERAL CARTRIDGE Co.

1973-1991 Issues (Long)

L-1



L-2



1973-1991 Issues (Long)

L-1 .22 LONG (HIGH VELOCITY). "HI-POWER". Load No. 706.
"I" bottom. W/BC.



L-2 .22 LONG (MAXIMUM VELOCITY). "HI-POWER". Load No. 706. Variations noted:

- (a) "A" bottom.
- (b) "C" bottom.
- (c) "D" bottom.
- (d) "D" bottom. W/BC.
- (e) "E" bottom. W/BC.
- (f) "G" bottom. W/BC.
- (g) "I" bottom. W/BC.
- (h) "U" bottom. W/BC.



FEDERAL CARTRIDGE Co.

1973-1991 Issues (Long Rifle)

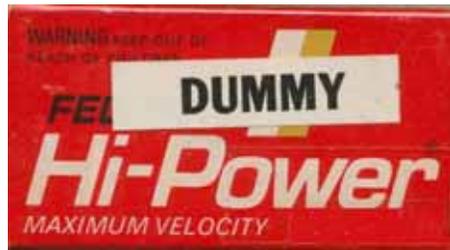
LR-1



LR-2



LR-2.1



LR-3



1973-1991 Issues (Long Rifle)

LR-1 .22 LONG RIFLE (HIGH VELOCITY). "HI-POWER". Load No. 710.

Variations noted:

- (a) "G" bottom.
- (b) "K" bottom. W/BC.
- (c) "L" bottom. W/BC
- (d) "M" bottom. W/BC



LR-2 .22 LONG RIFLE (MAXIMUM VELOCITY). "HI-POWER". Load No. 710.

Variations noted:

- (a) "A" bottom.
- (b) "C" bottom.
- (d) "D" bottom.
- (e) "G" bottom. W/BC.
- (f) "F" bottom. W/BC.
- (g) "U" bottom. W/BC.



LR-2.1 .22 LONG RIFLE (DUMMY-MAXIMUM VELOCITY). "HI-POWER". LR-2 box with "DUMMY" over-label. "C" bottom.



LR-3 .22 LONG RIFLE (HOLLOW POINT, HIGH VELOCITY). "HI-POWER". Load No. 712. Top 11. Variations noted:

- (a) "H" bottom. W/BC.
- (b) "L" bottom. W/BC.
- (c) "M" bottom. W/BC.



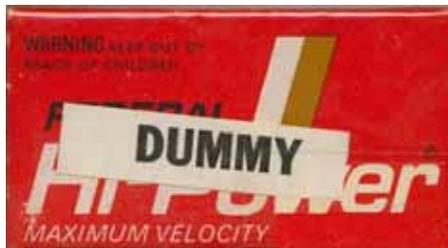
FEDERAL CARTRIDGE Co.

1973-1991 Issues (Long Rifle)

LR-4



LR-4.1



LR-5



LR-6



FEDERAL CARTRIDGE Co.

1973-1991 Issues (Long Rifle)

LR-4 .22 LONG RIFLE (HOLLOW POINT, MAXIMUM VELOCITY). "HI-POWER ". Load No. 712. Variations noted:

- (a) "C" bottom.
- (c) "D" bottom.
- (d) "D" bottom. W/BC.
- (e) "L" bottom. W/BC.
- (f) "UI" bottom. w/BC.
- (g) "A" bottom.



LR-4.1 .22 LONG RIFLE (DUMMY-HOLLOW POINT-MAXIMUM VELOCITY). "HI-POWER". LR-4 Box with DUMMY over-label. "C" bottom. (solid bullet in a hollow point box)



LR-5 .22 LONG RIFLE (STANDARD VELOCITY). "CHAMPION". Load No. 711. "Q" bottom.



LR-6 .22 LONG RIFLE (STANDARD VELOCITY). "CHAMPION". Load No. 711. Variations noted:

- (a) "O" bottom. Low tray.
- (b) "P" bottom. Low tray.
- (c) "P" bottom. High tray.
- (d) "Q" bottom. High tray



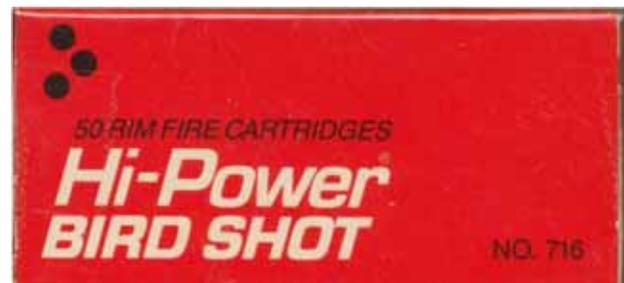
FEDERAL CARTRIDGE Co.

1973-1991 Issues (Bird Shot)

LR-7



LR-8



LR-9



FEDERAL CARTRIDGE Co.

1973-1991 Issues (Bird Shot)

LR-7 .22 LONG RIFLE (BIRD SHOT-MAXIMUM VELOCITY). "HI-POWER-MAXIMUM VELOCITY". Load No. 716. Variations noted:

- (a) "B" bottom.
- (b) "C" bottom.
- (c) "D" bottom.
- (d) "D" bottom. W/BC.



LR-8 .22 LONG RIFLE (BIRD SHOT-MAXIMUM VELOCITY). "HI-POWER-". Over-sized box. Load No. 716. Variations noted:

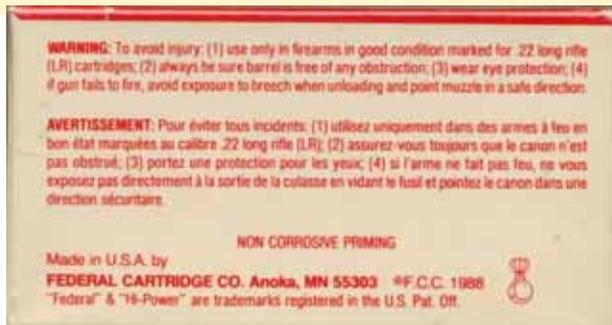
- (a) "R" bottom. W/BC.
- (b) "S" bottom. W/BC.
- (c) "T" bottom. W/BC.



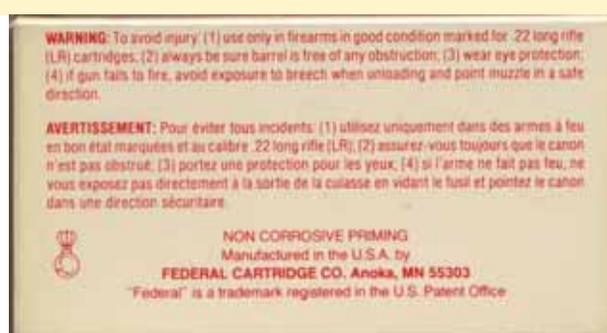
LR-9 .22 LONG RIFLE (BIRD SHOT). "HI-POWER". Over-sized box. Load No. 716. "R" bottom. W/BC.



"R" Bottom



"S" Bottom



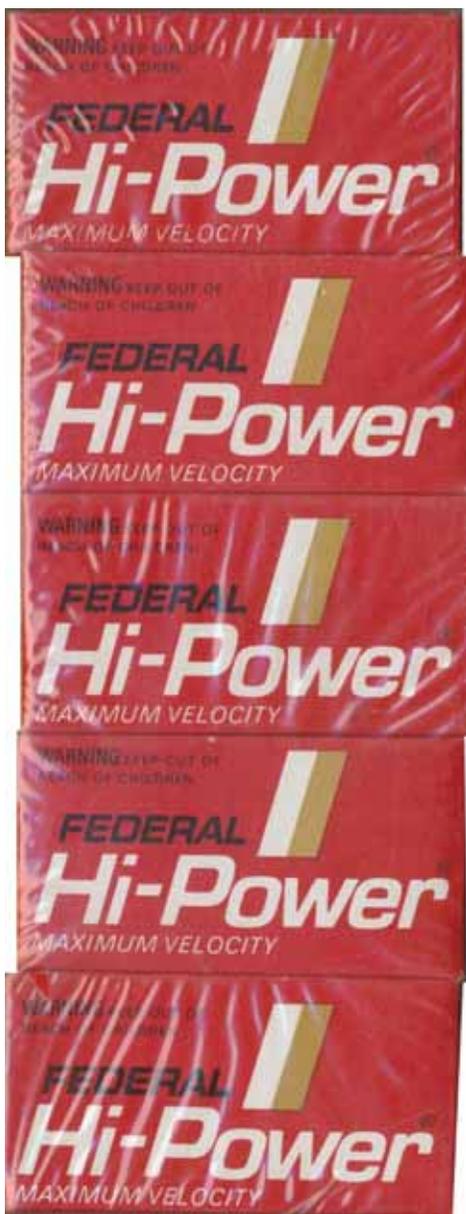
"T" Bottom



FEDERAL CARTRIDGE Co.

1973-1991 Issues (Bird Shot)

LR-10



FEDERAL CARTRIDGE Co.

1973-1991 Issues (Bird Shot)

LR-10 .22 LONG RIFLE (HOLLOW POINT-MAXIMUM VELOCITY) "HI-POWER". Five pack. Load No. 712. "A" bottom.



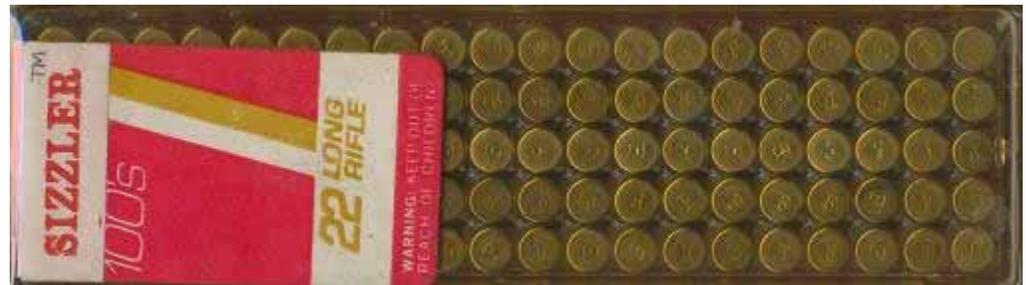
FEDERAL CARTRIDGE Co.

1972 100 Rd. PLASTIC PACK "HI-POWER" Issues

LR-1



LR-1.2



LR-1.4



LR-1.6



LR-2

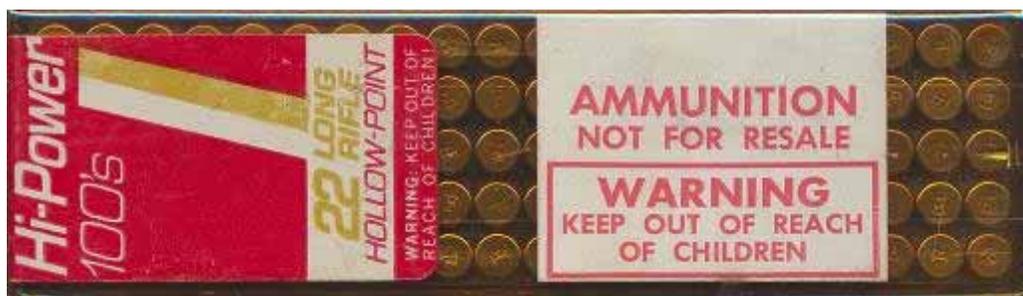


FEDERAL CARTRIDGE Co.

1972 100 Rd. PLASTIC PACK "HI-POWER" Issues

- LR-1 **.22 LONG RIFLE (HIGH VELOCITY)**, "HI-POWER". An amber plastic box and lid. Red and white partial wrap-around label with red, white and gold printing. Load No. 810 on the bottom. "F"-8" h/s on a brass case loaded with a copper plated bullet. Variations noted:
- (a) Clear box and lid. "A" style bottom
 - (b) Amber box and lid.
- LR-1.2 **.22 LONG RIFLE (HIGH VELOCITY)**, "HI-POWER". LR-1 box with white over-label on top label stating SIZZLER. CAT No 810 on "C" bottom.
- LR-1.4 **.22 LONG RIFLE (HIGH VELOCITY)**, "HI-POWER". LR-1 box with white over-label on top label stating SPITFIRE. CAT No 810 on "C" bottom.
- LR-1.6 **.22 LONG RIFLE (HIGH VELOCITY)**, "HI-POWER". LR-1 box with green over-label on top label stating COPPERHEAD. CAT No 810 on "C" bottom.
- LR-2 **.22 LONG RIFLE (HOLLOW POINT)**, Same as LR-1, except for hollow point wording. Load No. 812.on the bottom. Variations noted:
- (a) Clear box and lid. "A" style bottom.
 - (b) Amber box and lid. "B" style bottom.
- LR-2.5 **.22 LONG RIFLE (HOLLOW POINT)**, Same as LR-2. except a white label with red printing has been added to the top. (NOT FOR RESALE) This ammunition sold to employees only.

LR-2.5



"A" Bottom



"B" Bottom



"C" Bottom



FEDERAL CARTRIDGE Co.

1972 100 Rd. PLASTIC PACK "CHAMPION" Issues

LR-3



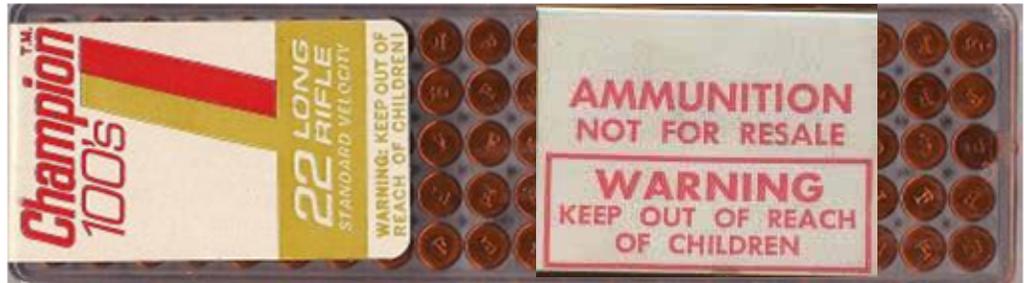
LR-4



LR-5



LR-6



LR-7

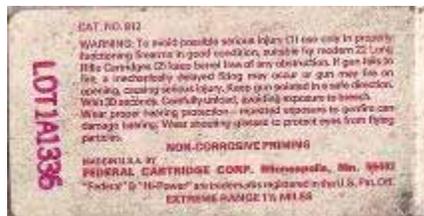


FEDERAL CARTRIDGE Co.

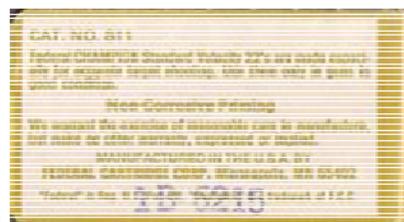
1972 100 Rd. PLASTIC PACK "CHAMPION" Issues

- LR-3 .22 LONG RIFLE (STANDARD VELOCITY). "CHAMPION". An amber plastic box and lid. White and gold partial wrap-around label with red, white and gold printing. Load No. 811 on the bottom. A lead bullet loaded in a brass case with "F-8" h/s. Introduced in 1973. Variations noted:
- (a) "B" style bottom.
 - (b) "C" style bottom.
- LR-4 .22 LONG RIFLE (STANDARD VELOCITY). "CHAMPION". Same as LR-3. except a white label with red printing has been added to the top. (NOT FOR RESALE) This ammunition sold to employees only.
- LR-5 .22 LONG RIFLE (STANDARD VELOCITY). "CHAMPION". Amber plastic box and lid. White and gold partial wrap-around label with red, gold and white printing. Lead bullet loaded in a brass case with a "F-8" h/s. "C" bottom.
- LR-6 .22 LONG RIFLE (STANDARD VELOCITY). "NOT FOR RESALE". Same as LR-5 except a white label with red printing has been added to the top. For sale to employees only.
- LR-7 .22 LONG RIFLE. "NOT FOR RESALE". White label with red printing. Copper plated bullet in a brass case with "F-8" h/s. Variations noted:
- (a) Amber tint box. Solid. bullet.
 - (b) Amber tint box. Hollow-Point bullet.
 - (c) Red tint box.

"B" Bottom



"C" Bottom



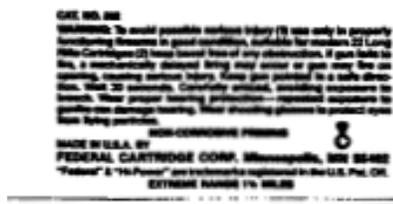
FEDERAL CARTRIDGE Co.

1982 100 Rd. PLASTIC PACK Issues

A-Bottom



B-Bottom



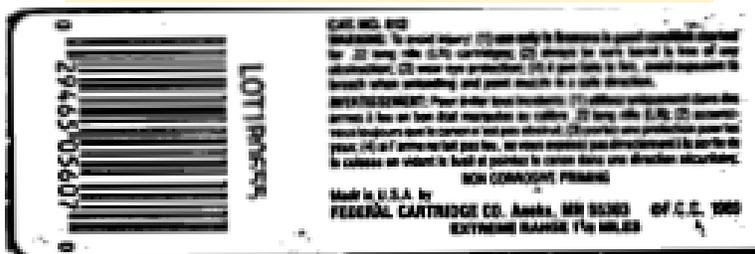
C-Bottom



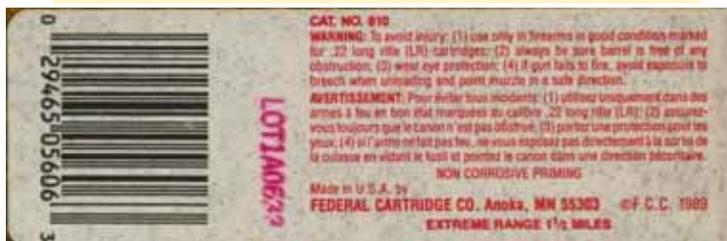
D-Bottom



E-Bottom (No 812)



E-2-Bottom (No. 810)



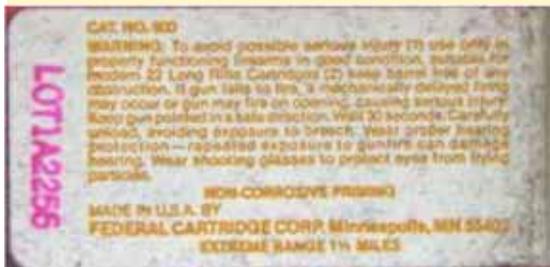
FEDERAL CARTRIDGE Co.

1982 100 Rd. PLASTIC PACK Issues

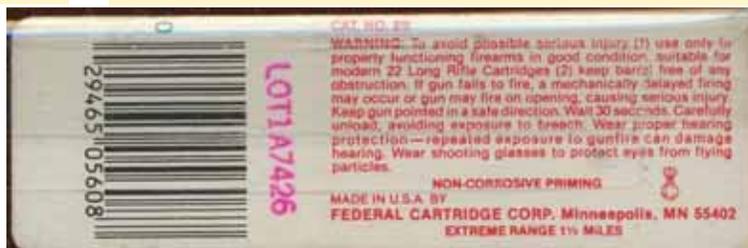
F-Bottom



G-Bottom



H-Bottom



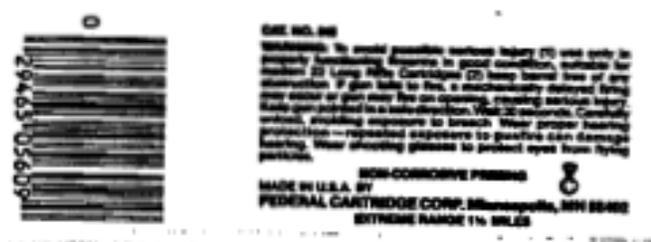
I-Bottom



J-Bottom



K-Bottom



L-Bottom



M-Bottom



O-Bottom



FEDERAL CARTRIDGE Co.

1982 100 Rd. PLASTIC PACK Issues

LR-1



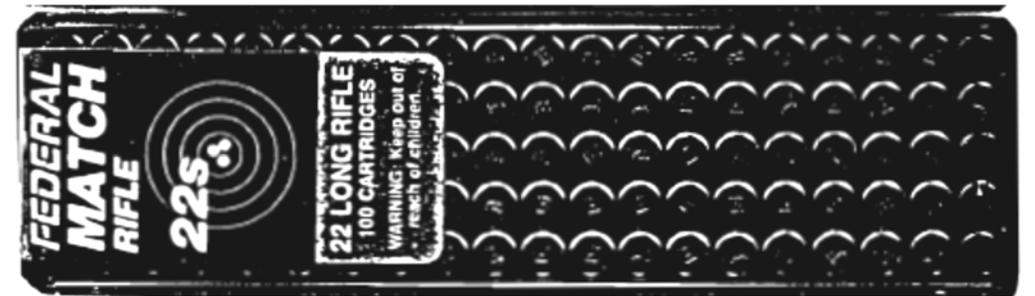
LR-2



LR-3



LR-4



LR-5



FEDERAL CARTRIDGE Co.

1982 100 Rd. PLASTIC PACK Issues

A new label was introduced in 1982. In Dec. 1985 the name was changed from "CORP" to "CO.". In 1988 the address was changed from MINNEAPOLIS, MINN. to "ANOKA, MN".

- LR-1 **.22 LONG RIFLE (HIGH VELOCITY).** "HI-POWER". Amber tint box and lid. Red and white partial wrap-around label with red, white and gold printing. A copper plated lead bullet loaded in a brass case with a "F-8" h/s. Load No. 810 on the bottom. Variations noted:
- (a) "A" bottom.
 - (b) "D" bottom.
 - (c) "D" bottom with a deep amber tint lid.
 - (d) "F" bottom.
 - (e) "H" bottom
 - (f) "E-2" bottom
- LR-2 **.22 LONG RIFLE (HOLLOW POINT).** "HI-POWER". Same as LR-1 except for the hollow point wording. Load No. 812 on the bottom Variations noted:
- (a) "A" bottom.
 - (b) "B" bottom.
 - (c) "C" bottom.
 - (d) "D" bottom.
 - (e) "E" bottom.
 - (f) "H" bottom.
- LR-3 **.22 LONG RIFLE (STANDARD VELOCITY).** "CHAMPION". Amber tint plastic box and lid. Red and white partial wrap-around label with red, white and black printing. A lead bullet loaded in a brass case with a "F-8" h/s. Load No. 811 on the bottom. Variations noted:
- (a) "G" bottom. Red box and lid.
 - (b) "M" bottom. Red box and lid.
 - (c) "H" bottom. Amber box and lid.
 - (d) "L" bottom.
- LR-4 **.22 LONG RIFLE (EXPERIMENTAL TARGET).** "RIFLE MATCH". Red tint plastic box and lid. Black and gold label with black and white printing. Lead bullet loaded in a brass case with a "F-8" h/s. Load No. 805 on the bottom This box was produced about 1983 and an experimental loading and never placed in production.
- LR-5 **.22 LONG RIFLE (MATCH).** "PISTOL MATCH". Same as LR-4 except this is a pistol load. Load No. 800 on the bottom. "G" bottom. Produced in 1983 only. (this box was advertised in June of 1982).

FEDERAL CARTRIDGE Co.

1982 100 Rd. PLASTIC PACK Issues

LR-6



LR-7



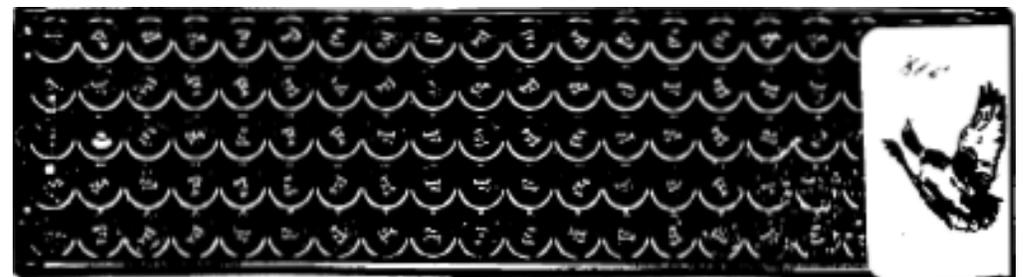
LR-8



LR-9



LR-10



FEDERAL CARTRIDGE Co.

1982 100 Rd. PLASTIC PACK Issues

- LR-6 .22 LONG RIFLE (MATCH). "RIFLE MATCH". Red tint plastic box and lid. White, black and red label with black, red and white printing. Lead bullet loaded in a brass case with a "F-9" h/s. Load. No. 805 on bottom "I" . This box was loaded by ELEY of ENGLAND. for Federal during 1985. "I" bottom. The entire lot was closed. out to Gil Hebard Guns.
- LR-7 .22 LONG RIFLE (MATCH). "RIFLE and PISTOL". Same as LR-6 except for "RIFLE & PISTOL" wording.
- LR-8 .22 LONG RIFLE (MATCH). "SILHOUETTE". A red tint box and lid. White. black and red printing. A lead bullet loaded in a brass case with a "F-8" h/s. Introduced in 1982. Load No. 815. Variations noted:
(a) "G" bottom.
(b) "J" bottom.
(c) "K" bottom.
- LR-9 .22 LONG RIFLE (HOLLOW POINT). Amber tint box and lid. with amber label with black printing. Copper plated hollow point bullet loaded in a bras. case with "F-8" h/s. This box sold to employees. No load No.
- LR-10 .22 LONG RIFLE (HIGH VELOCITY). Same as. LR-9 except loaded with a copper plated bullet. Load No. 810 hand written on the label.

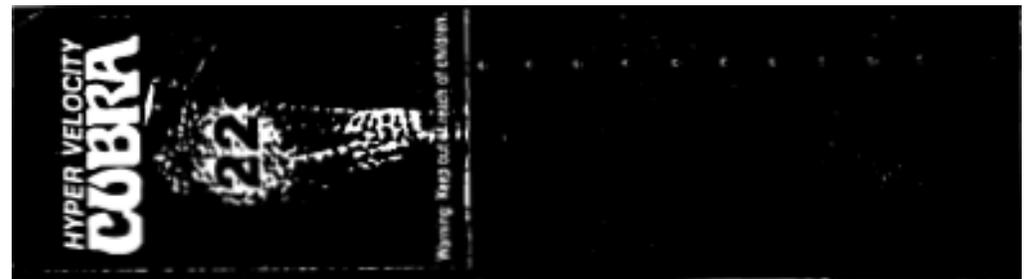
FEDERAL CARTRIDGE Co.

1980's COBRA Experimental Issues

LR-11



LR-12



LR-13



LR-14



LR-15



1980's COBRA Experimental Issues

- LR-11 .22 LONG RIFLE (EXPERIMENTAL). "COBRA". Red tint plastic box and lid. White, red and black partial wrap-around label with black and white printing. This was an experimental box produced in 1983 and never placed on the market.
- LR-12 .22 LONG RIFLE (EXPERIMENTAL). "COBRA". same as LR-11 except another design. Also produced in 1983 and never placed on the market.
- LR-13 .22 LONG RIFLE (EXPERIMENTAL). Amber plastic box. No label. Brass washed steel case with an "F-8" h/s. Sold to employees only.
- LR-14 .22 LONG RIFLE (ULTRA VELOCITY EXPERIMENTAL). "COBRA". An experimental design produced during the development of their ultra velocity loading which was to become the "SPITFIRE". This is a carton sized box. Blue box with white and gold printing.
- LR-15 .22 LONG RIFLE (ULTRA VELOCITY EXPERIMENTAL). "COBRA". Same as LR-1, except a brown box with white and gold printing. This also is a carton sized box

FEDERAL CARTRIDGE Co.

1970 "POWER-FLITE"

LR-1



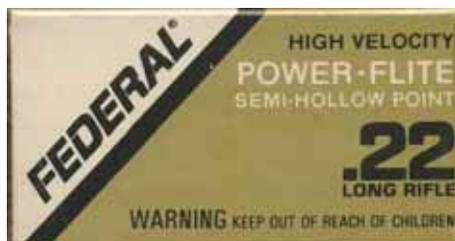
LR-3



LR-5



LR-6

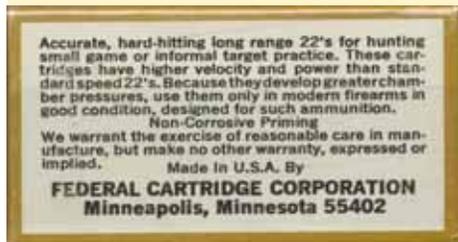


FEDERAL CARTRIDGE Co.

1970 "POWER-FLITE"

This loading was introduced in 1970 for sale at discounted prices. Lead bullet loaded in a brass case with a "F-8" h/s. **Load No. 510**. Replaced by "LIGHTNING" in 1979. All boxes have a squirrel on the front and a rabbit on the back panel.

"A" Bottom



"B" Bottom



"C" Bottom



#1 End Flap



#2 End Flap



LR-1 .22 LONG RIFLE (HIGH VELOCITY). "POWER-FLITE". Gold, white and black one-piece box with black and white printing. Variations noted:

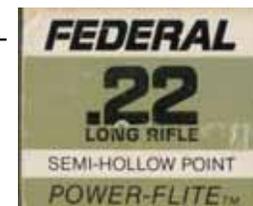
- (a) "A" bottom. Tall plastic tray. #1 end flap warning.
- (b) "A" bottom. Short plastic tray. #1 end flap warning.
- (c) "B" bottom. Tall plastic tray. #2 end flap warning.
- (d) "B" bottom. Tall paper tray. #2 end flap warning.
- (e) "B" bottom. Short plastic tray. #2 end flap warning.



LR-3 .22 LONG RIFLE (HIGH VELOCITY). "POWER-FLITE". Gold and white one-piece box with gold, white and black printing. Tall plastic tray. "C" bottom. #2 end flap warning. Introduced in 1976.



LR-5 .22 LONG RIFLE (SEMI-HOLLOW POINT, HIGH VELOCITY). "POWER-FLITE". Gold and white one-piece box with gold, black and white printing. Tall plastic tray. "C" bottom. No end flap warnings. End flaps are hinged at the top. No .514



LR-6 .22 LONG RIFLE (SEMI-HOLLOW POINT, HIGH VELOCITY). "POWER-FLITE". Same as LR-5 except "SEMI-HOLLOW POINT" wording is shorter. "C" bottom. #2 end flap warning. End flaps are hinged on the bottom.



FEDERAL CARTRIDGE Co.

1979 "LIGHTNING"

LR-1



LR-2



"A" Bottom

"FEDERAL CARTRIDGE CORPORATION"

WARNING: To avoid possible serious injury (1) use only in properly functioning firearms in good condition, suitable for modern 22 Long Rifle Cartridges (2) keep barrel free of any obstruction. If gun fails to fire, a mechanically delayed firing may occur or gun may fire on opening, causing serious injury. Keep gun pointed in a safe direction. Wait 30 seconds. Carefully unload, avoiding exposure to breach.

Wear proper hearing protection — repeated exposure to gunfire can damage hearing. Wear shooting glasses to protect eyes from flying particles.

NON-CORROSIVE PRIMING
MADE IN U.S.A. BY
FEDERAL CARTRIDGE CORPORATION
Minneapolis, Minnesota 55402

"B" Bottom

"FEDERAL CARTRIDGE CORPORATION"

WARNING: To avoid possible serious injury (1) use only in properly functioning firearms in good condition, suitable for modern 22 Long Rifle Cartridges (2) keep barrel free of any obstruction. If gun fails to fire, a mechanically delayed firing may occur or gun may fire on opening, causing serious injury. Keep gun pointed in a safe direction. Wait 30 seconds. Carefully unload, avoiding exposure to breach.

Wear proper hearing protection — repeated exposure to gunfire can damage hearing. Wear shooting glasses to protect eyes from flying particles.

NON-CORROSIVE PRIMING
MADE IN U.S.A. BY
FEDERAL CARTRIDGE CORPORATION
Minneapolis, Minnesota 55402

"C" Bottom

"FEDERAL CARTRIDGE COMPANY"

WARNING: To avoid possible serious injury (1) use only in properly functioning firearms in good condition, suitable for modern 22 Long Rifle Cartridges (2) keep barrel free of any obstruction. If gun fails to fire, a mechanically delayed firing may occur or gun may fire on opening, causing serious injury. Keep gun pointed in a safe direction. Wait 30 seconds. Carefully unload, avoiding exposure to breach.

Wear proper hearing protection — repeated exposure to gunfire can damage hearing. Wear shooting glasses to protect eyes from flying particles.

NON-CORROSIVE PRIMING
MADE IN U.S.A. BY
FEDERAL CARTRIDGE COMPANY
Minneapolis, Minnesota 55402

"D" Bottom

"FEDERAL CARTRIDGE CO., Anoka MN"

WARNING: To avoid injury (1) use only in firearms in good condition marked for 22 long rifle (LR) cartridges; (2) always be sure barrel is free of any obstruction; (3) wear eye protection; (4) if gun fails to fire, avoid exposure to breach when unloading and point muzzle in a safe direction.

AVERTISSEMENT: Pour éviter tous incidents: (1) utilisez uniquement dans des armes à feu en bon état marquées au calibre 22 long rifle (LR); (2) assurez-vous toujours que le canon n'est pas obstrué; (3) portez une protection pour les yeux; (4) si l'arme ne fait pas feu, ne vous exposez pas directement à la sortie de la culasse en vidant le fusil et pointez le canon dans une direction sécuritaire.

NON CORROSIVE PRIMING
MADE IN U.S.A. BY
FEDERAL CARTRIDGE CO., Anoka, MN 55303 U.S.A.

"E" Bottom

"FEDERAL CARTRIDGE CO., Anoka MN"

WARNING: To avoid injury (1) use only in firearms in good condition marked for 22 long rifle (LR) cartridges; (2) always be sure barrel is free of any obstruction; (3) wear eye protection; (4) if gun fails to fire, avoid exposure to breach when unloading and point muzzle in a safe direction.

AVERTISSEMENT: Pour éviter tous incidents: (1) utilisez uniquement dans des armes à feu en bon état marquées au calibre 22 long rifle (LR); (2) assurez-vous toujours que le canon n'est pas obstrué; (3) portez une protection pour les yeux; (4) si l'arme ne fait pas feu, ne vous exposez pas directement à la sortie de la culasse en vidant le fusil et pointez le canon dans une direction sécuritaire.

MADE IN U.S.A. BY NON CORROSIVE PRIMING
FEDERAL CARTRIDGE CO., Anoka, MN 55303 #F.C.C. 1988
"Federal" is a trademark registered in the U.S. Pat. Off.
"Lightning" is a trademark of F.C.C.

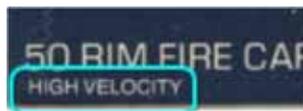
FEDERAL CARTRIDGE Co.

1979 "LIGHTNING"

These are one-piece boxes with end flaps. **Load No. 510.** Lead bullet loaded in a brass case with "F-8" h/s. The "LIGHTNING" replaced the "POWER-FLITE" in 1979.

LR-1 **.22 LONG RIFLE (HIGH VELOCITY).** "LIGHTNING" Blue and white box with blue, white and gold printing. "A" bottom. No barcode. Variations noted:

- (a) Lead bullet.. No HIGH VELOCITY on front and back side.
- (b) Copper plated bullet.. HIGH VELOCITY on front and back side.

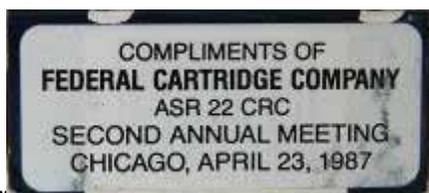


- (c) LR-1b box with white over-label on back side.



LR-2 **.22 LONG RIFLE (HIGH VELOCITY).** "LIGHTNING" Blue and white box with blue, white and gold printing. Introduced in 1983. Variation. noted:

- (a) "A" "bottom.. WO/BC
- (b) "B" bottom. WO/BC & W/BC
- (c) "C" bottom. W/BC
- (d) LR-2c box with white front over-label.



- (e) "D" bottom. w/BC
- (f) "E" bottom. W/BC

Front side WO/BC



Front side W/BC



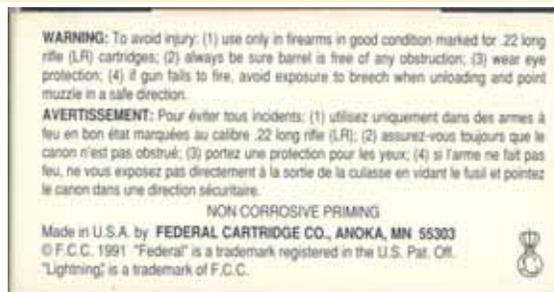
FEDERAL CARTRIDGE Co.

"LIGHTNING" (1991-1998)

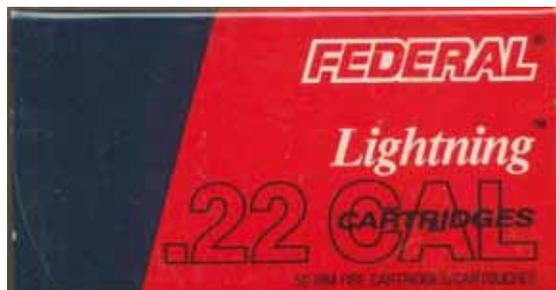
LR-3



"F" Bottom



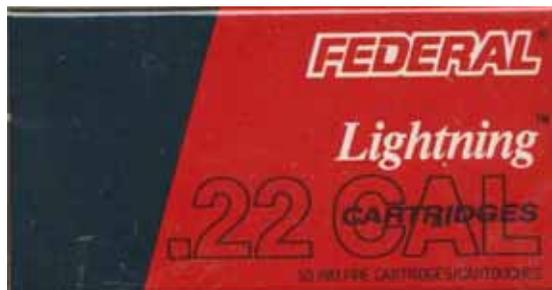
LR-4a



"G" Bottom



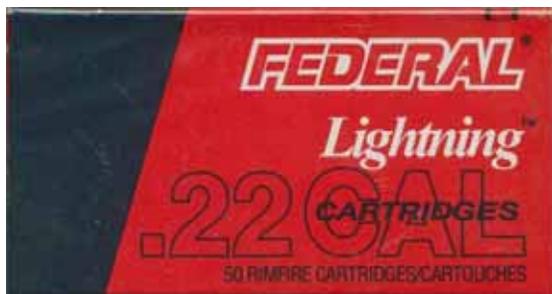
LR-4 b



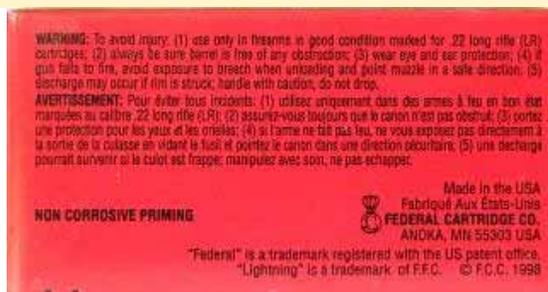
"G" Bottom



LR-4c



"H" Bottom



FEDERAL CARTRIDGE Co.

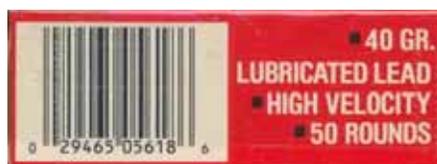
"LIGHTNING" (1991-1998)

LR-3 .22 LONG RIFLE (HIGH VELOCITY). "LIGHTNING". Over-sized blue and white box with blue, white and gold printing. "F" bottom. Introduced in 1991.



LR-4 .22 LONG RIFLE (HIGH VELOCITY). "LIGHTNING" Over-sized red and blue box with blue, red and white printing. Variations noted:

(a) "G" bottom. No lead warning. (1991)



(b) "G" bottom. With lead warning on the front. (1993)



(c) "H" bottom. With lead warning on the front. With back hinged end flap (1997)



"LIGHTNING" (2008-2015)

LR-5



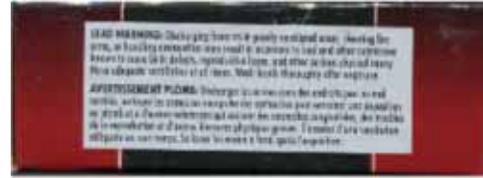
"I" Bottom

WARNING: To avoid serious injury: (1) use only ammunition in good condition; use only in modern firearms in good condition marked for .22 Long Rifle (LR) cartridges; (2) always be sure barrel is free of any obstructions; the barrel should be checked in case of light recoil, or an unusually loud or weak sound heard during firing; (3) wear eye and ear protection; (4) if gun fails to fire, avoid exposure to breech when unloading and point muzzle in a safe direction; keep fingers pointed in safe direction at all times; (5) discharge only occur if rim is struck; handle with caution, do not drop; (6) do not shoot at hard surfaces or water to prevent ricochet; (7) bullet is capable of traveling extreme distances; know your backstop; (8) store in cool dry place.

AVERTISSEMENT: Pour éviter des blessures graves: (1) utiliser seulement des cartouches en bon état; n'utiliser que dans des armes à feu modernes en bon état indiquant l'utilisation de la cartouche .22 Long Rifle (LR); (2) toujours garder le canon libre de toute obstruction; vérifier le canon en cas de recul léger ou si on sent anormalement fort ou faible le produit à la mise à feu; (3) porter des verres de sécurité et des protecteurs d'oreilles; (4) si l'arme n'effectue pas la mise à feu, la décharger en évitant de s'exposer à la culasse et pointer le canon dans une direction sécuritaire; garder l'arme pointée dans une direction sécuritaire en tout temps; (5) un choc sur l'armure peut entraîner la mise à feu; manipuler avec précaution et ne pas laisser tomber la cartouche; (6) afin d'éviter les ricochets, ne pas tirer sur des surfaces dures ou sur l'eau; (7) les balles peuvent franchir de grandes distances; s'assurer de leur point de chute; (8) garder dans un endroit frais et sec.

"LIGHTNING" (2008-2015)

LR-5 .22 LONG RIFLE (HIGH VELOCITY), "LIGHTNING" Over-sized red, black and silver box with black and white printing. Product code 510B (2009)



FEDERAL CARTRIDGE Co.

PROMOTIONAL 1982 "CHAMPION"

LR-1



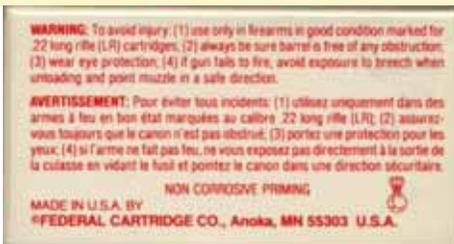
"A" Bottom



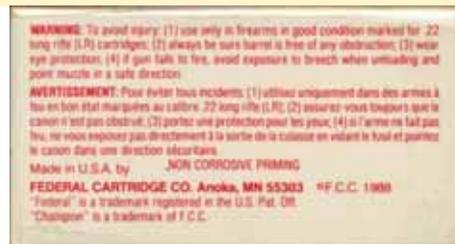
"B" Bottom



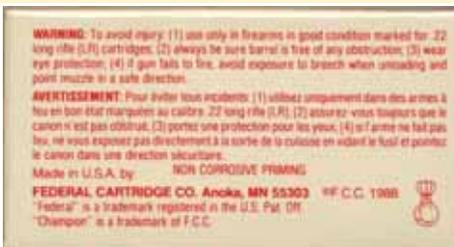
"C" Bottom



"D" Bottom



"E" Bottom



"F" Bottom



FEDERAL CARTRIDGE Co.

PROMOTIONAL 1982 "CHAMPION"

Introduced in 1982 to replace the CHAMPION boxes from the 1973 issue. One-piece box with end flaps. Load No. 711. "F-8" h/s on a brass case. Lead bullet.

LR-1 22 LONG RIFLE (STANDARD VELOCITY). "CHAMPION". White and red box with red, white and black printing. Variations Noted:

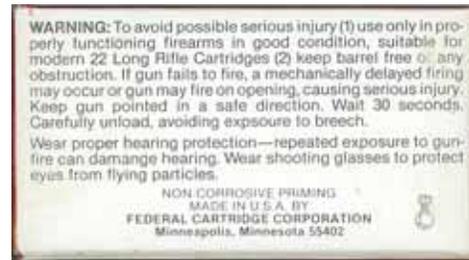
- (a) "A" bottom. No bar code
- (b) "B" bottom. With bar code.
- (c) "C" bottom. With bar code.
- (d) "D" bottom. With bar code.
- (e) "E" bottom. With bar code.
- (f) "F" bottom. With bar code.



FEDERAL CARTRIDGE Co.

1983 "SPITFIRE"

LR-1



LR-1.5



FEDERAL CARTRIDGE Co.

1983 "SPITFIRE"

Spitfire was introduced in 1983. Advertising claimed 20% greater velocity than regular high velocity. Copper-plated bullets in a brass case with a "F-8" h/s.

- LR-1 **.22 LONG RIFLE (HYPER VELOCITY)**. "SPITFIRE". Orange/red and yellow one-piece box with black and white printing. Copper-plated hollow point bullet. "F-8" h/s on a brass case. Product code 727 on the front. Introduced in 1983 and replaced with the plastic can (LB-3) in 1986. Variations noted:
- (a) "A" back
 - (b) "B" back.

"A" Back



"B" Back



- LR-1.5 **.22 LONG RIFLE (HYPER VELOCITY)**. "SPITFIRE". Orange/red and yellow one-piece box with black and white printing. Copper-plated hollow point bullet. "F-8" h/s on a brass case. Product code NOS22 on the end. (2004)



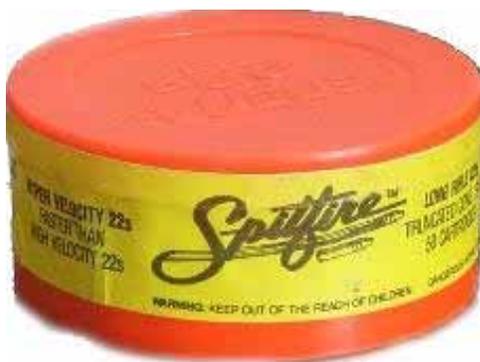
FEDERAL CARTRIDGE Co.

1983 "SPITFIRE"

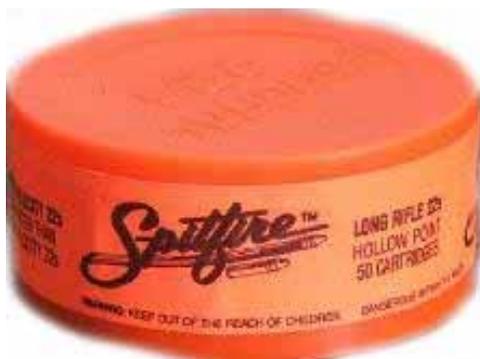
LR-2



LR-3



LR-4



1983 "SPITFIRE"

- LB-2 **.22 LONG RIFLE (EXPERIMENTAL CAN), "SPITFIRE"**. In 1985 Federal wanted to replace the paper box of SPITFIRE with a plastic can. A round two-piece injection molded can was sampled. Various colors and ideas were the result. Variations noted:
- (a) Dark red painted can without any markings. This appears to be a can which contained some other product and was painted up for a prototype.
 - (b) Same as (a) except bright red.
 - (c) Same as (a) except top now has a hand-cut label.
 - (d) This can is from the correct mold with "FEDERAL 22s" molded on top. Dark red color.
 - (e) Bright red color. This color was selected for production.
 - (f) Black plastic.



- LR-3 **.22 LONG RIFLE (HYPER VELOCITY), "SPITFIRE"**. Bright red plastic can and lid. Yellow side sealing tape and bottom label with black printing. A copper-plated solid bullet in a brass case with a "F-8" h/s. Product code 720. New in 1986
- LR-4 **.22 LONG RIFLE (HOLLOW-POINT, HYPER VELOCITY), "SPITFIRE"**. Bright red plastic can and lid. Red side sealing tape and bottom label with black printing. A copper plated hollow point bullet in a brass case with "F-8" h/s. Product code 722.

FEDERAL CARTRIDGE Co.

Oversized Boxes 22 WIN MAG

WMR-1



WMR-2



WMR-3



"A" Bottom



"C" Bottom



Oversized Boxes 22 WIN MAG

In 1984 Federal started to produce 22 Magnum over-sized boxes

WMR-1 **22 WIN. MAG. RIMFIRE. (PROTOTYPE BOX)**. This is a mock up of a box for the new magnum loadings. This style was not accepted.

- (a) Blue and white box with white printing.
- (b) Red and white box with white printing.

WHR-2 **22 WIN. MAG. RIMFIRE (PROTOTYPE BOX)**. This is another artist mock up. This is the style selected for production.

WMR-3 **22 WIN. MAG. RIMFIRE.** This box was introduced to the market in late 1984. Red and white box with yellow, black, red and white printing. Load No. 737. "F-8" h/s on a brass case loaded with a 40 gr. full metal jacketed bullet. "A" bottom. Variations noted:

- (a) "A" bottom. 1984-1987
- (b) Inside of end flap marked S.E.C.C.A. 10th ANNIVERSARY AUG. 1984.
- (c) "C" bottom. 1987



FEDERAL CARTRIDGE Co.

Oversized Boxes 22 WIN MAG

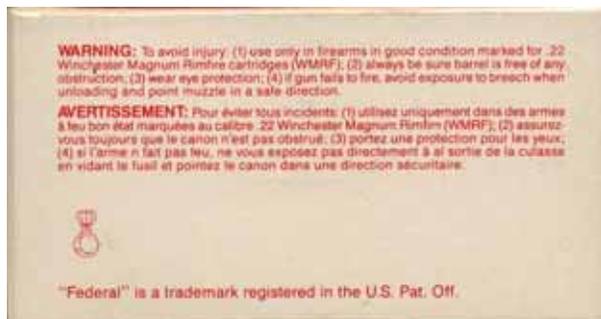
WMR-4



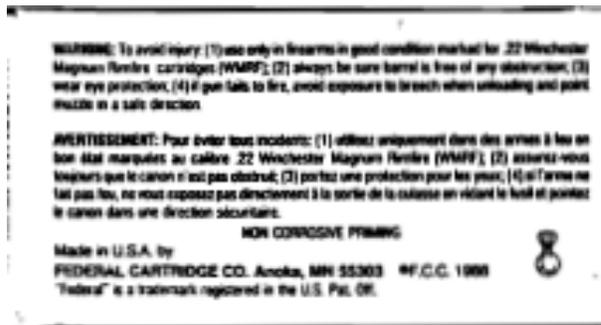
WMR-5



"A" Bottom



"B" Bottom



FEDERAL CARTRIDGE Co.

Oversized Boxes 22 WIN MAG

WMR-4 **22 WIN. MAG. RIMFIRE (HOLLOW POINT)**. Same as WMR-3 except for hollow point wording on the ends. Load No. 747. A 40 gr. jacketed hollow point bullet loaded in a brass case with a "F-8" h/s "A" bottom.



WMR-5 **22 WIN. MAG. RIMFIRE (HOLLOW POINT)**. Same as WMR-4 except Load No. 757. Loaded with a 50 gr. jacketed hollow point bullet (New in 1987). Variations noted:

- (a) "A" bottom. 1984-1987
- (b) "B" bottom. 1988-1991



FEDERAL CARTRIDGE Co.

"AMERICAN EAGLE"

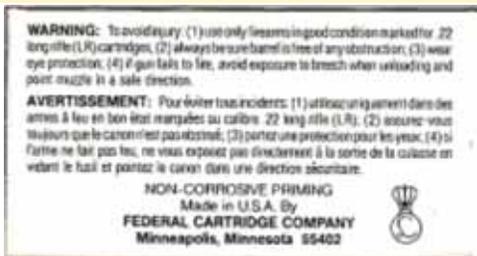
LR-1



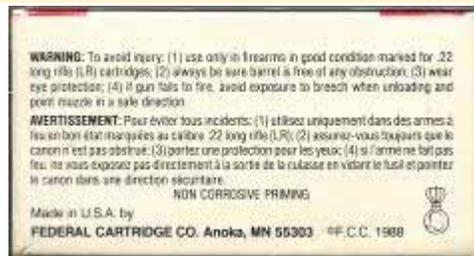
LR-15



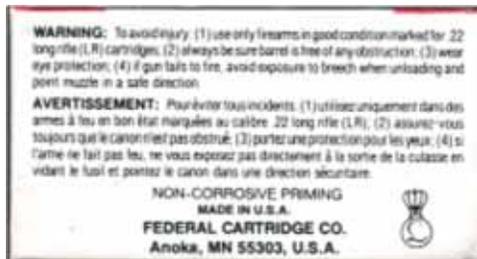
"A" Bottom



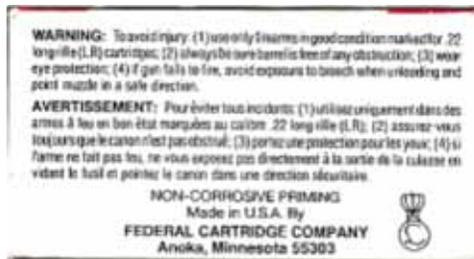
"B" Bottom



"C" Bottom



"D" Bottom



FEDERAL CARTRIDGE Co.

"AMERICAN EAGLE"

This high velocity promotional load was added to the Federal Cartridge line in 1989.

LR-1 **.22 LONG RIFLE (HIGH VELOCITY).** "AMERICAN EAGLE". Red and white 50 round box with black and white printing. A 40 gr. lead bullet loaded in a brass case with a "F-8" h/s. Load No. AE510. Variations noted:

- (a) "A" bottom. No bar code.
- (b) "B" bottom. No bar code.
- (c) "C" bottom. No bar code.
- (d) "D" bottom. No bar code.



- (e) "B" bottom. With bar code on the front.. (1990)



LR-1.5 **.22 LONG RIFLE (HIGH VELOCITY).** "AMERICAN EAGLE". Same as LR-1 except orange color of child warning.. "C" bottom. No bar code.

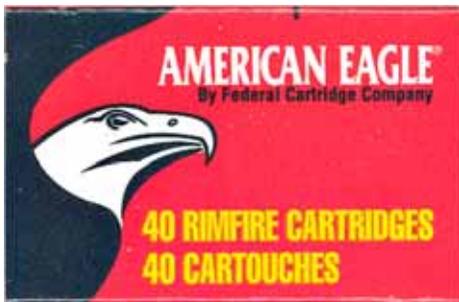


"AMERICAN EAGLE"

LR-2



LR-3



LR-3.5



"AMERICAN EAGLE"

40 Round Boxes

LR-2 .22 LONG RIFLE (HOLLOW POINT, HIGH VELOCITY). "AMERICAN EAGLE". Red and white 40 round box with dark blue, black, white and yellow printing. A 38 grain copper-plated hollow point bullet loaded in a brass case with a "F-8" h/s. Load No. AE22 Introduced in 1990. Variations noted:

- (a) "F" bottom. No lead warning.
- (b) "F" bottom. With lead warning. (1994)



LR-3 .22 LONG RIFLE (HOLLOW-POINT, HIGH VELOCITY). "AMERICAN EAGLE". Red and white 40 round box with dark blue, black, white and yellow printing. A 38 grain copper-plated hollow point bullet loaded in a brass case with a "F-8" h/s. Load No. AE22. "I" bottom. This box has inside end flaps hinged on the back. (1997)



LR-3.5 .22 LONG RIFLE (HOLLOW-POINT, HIGH VELOCITY). "AMERICAN EAGLE". Same as LR-3 except "38 GRAIN HOLLOW POINT AE 22" on end. (1997-2008)

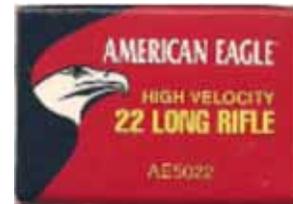


FEDERAL CARTRIDGE Co.

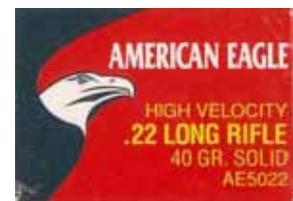
"AMERICAN EAGLE"

1991-2008 50 Round Boxes

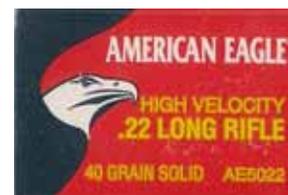
LR-4 **.22 LONG RIFLE (HIGH VELOCITY)**. "AMERICAN EAGLE". Red and white oversized 50 round box with dark blue, white and yellow printing. A 40 grain lead bullet loaded in a brass case with a "F-8" h/s. Load No. AE5022. Introduced in 1991.



LR-4.2 **.22 LONG RIFLE (HIGH VELOCITY)**. "AMERICAN EAGLE". Red and white oversized 50 round box with dark blue, white and yellow printing. A 40 grain lead bullet loaded in a brass case with a "F-8" h/s. Load No. AE5022. Lead warning. (1995)



LR-4.4 **.22 LONG RIFLE (HIGH VELOCITY)**. "AMERICAN EAGLE". Same as LR-4.2 except different date on bottom (1997)

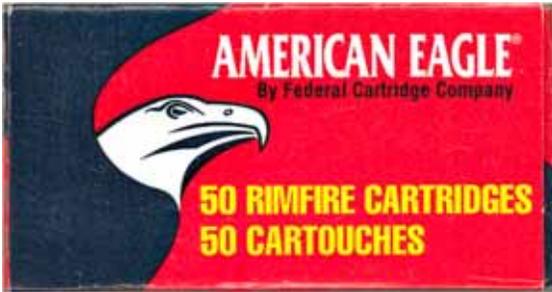


LR-4.6 **.22 LONG RIFLE (HIGH VELOCITY)**. "AMERICAN EAGLE". ". Same as LR-4.2 except different date on bottom. (1999)

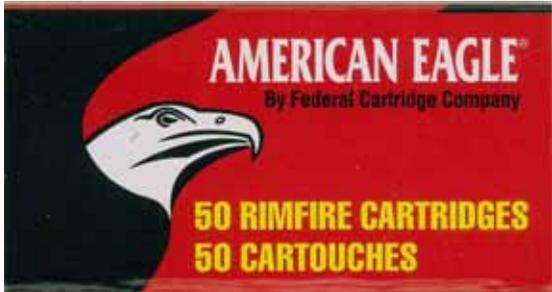


"AMERICAN EAGLE"

LR-5



LR-5.5



FEDERAL CARTRIDGE Co.

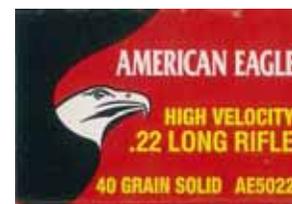
"AMERICAN EAGLE"

1992-2008 50 Round Boxes

LR-5 **.22 LONG RIFLE (HIGH VELOCITY).** "AMERICAN EAGLE". Red, 50 round box with dark blue, white and yellow printing. A 40 gr. solid lead bullet in a brass case with "F-8" h/s. Load No. AE5022. This box is of the new design with both bottom and back hinged end flaps. "J" bottom. (2004)

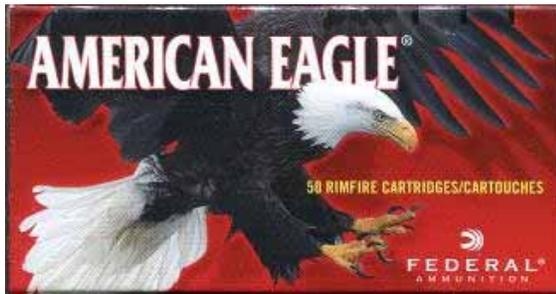


LR-5.5 **.22 LONG RIFLE (HIGH VELOCITY).** "AMERICAN EAGLE". Red, 50 round box with dark blue, white and yellow printing. A 40 gr. solid lead bullet in a brass case with "F-8" h/s. Load No. AE5022. (2006)



"AMERICAN EAGLE"

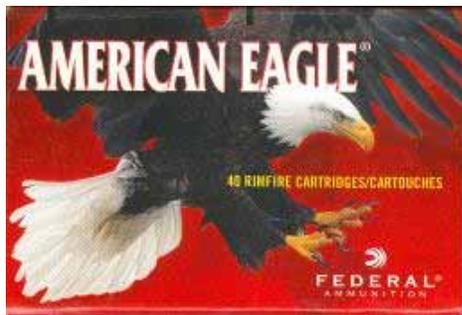
LR-6



"L" Bottom



LR-7



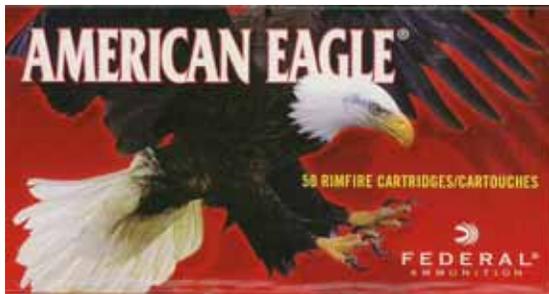
"M" Bottom



LR-8



LR-9

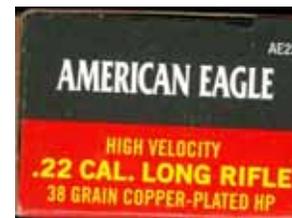


"AMERICAN EAGLE"

LR-6 **.22 LONG RIFLE (HIGH VELOCITY)**, "AMERICAN EAGLE". Red, 50 round box with black white and yellow printing. A 40 gr. solid lead bullet in a brass case with "F-8" h/s. Load No. AE5022. "L" bottom. (2009)



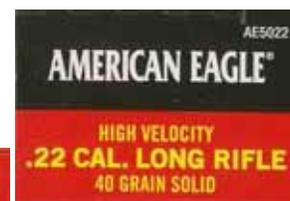
LR-7 **.22 LONG RIFLE (HOLLOW POINT-HIGH VELOCITY)**, "AMERICAN EAGLE". Red, 40 round box with black white and yellow printing. A 38 gr. solid lead bullet in a brass case with "F-8" h/s. Load No. AE22. "M" bottom.



LR-8 **.22 LONG RIFLE (SUPPRESSOR)**, "AMERICAN EAGLE". Black, 50 round box with white printing. A 45 gr. CPRN bullet in a brass case with "F-8" h/s. Load No. AE22SUP1.



LR-9 **.22 LONG RIFLE (HIGH VELOCITY)**, "AMERICAN EAGLE". Red, 50 round box with black white and yellow printing. A 40 gr. solid lead bullet in a brass case with "F-8" h/s. Load No. AE5022. (2016)



"AMERICAN EAGLE"

LR-10



"AMERICAN EAGLE"

LR-10 .22 LONG RIFLE (HIGH VELOCITY). "AMERICAN EAGLE". Red, 50 round box with black white and yellow printing. A 40 gr. solid lead bullet in a brass case with unknown h/s. Load No. AE5021. (2016)

Box appears to be either a promotional or special order because "NOT FOR RESALE" is printed on front panel. Looks to be made for France as bottom is in French and there's a French CIP logo on bottom. It was made by Federal in the USA.

Box from Bernard Chevalier collection

FEDERAL CARTRIDGE Co.

1992 "CLASSIC"

Small Box



LR-1



LR-2



LR-3



COMMON BOTTOM



Large Box



LR-4



WMR-1



WMR-2



COMMON BACK

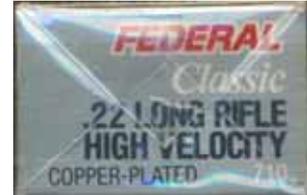


FEDERAL CARTRIDGE Co.

1992 "CLASSIC"

Federal introduced the "CLASSIC" line in 1992 to replace the "HI-POWER". A dark blue and silver paper box with red, white and dark blue printing. Brass case with a "F-8" h/s. Load. No. is on the end flap.

LR-1 **.22 LONG RIFLE (HIGH VELOCITY).** Copper-plated. 40 gr. solid. bullet. Load. No. 710



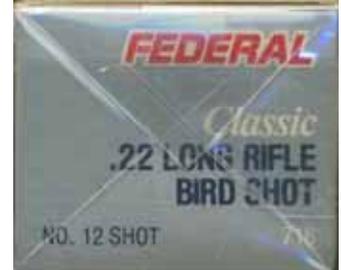
LR-2 **.22 LONG RIFLE (HOLLOW POINT, HIGH VELOCITY).** Copper-plated. Hollow point bullet. Load. No. 712.



LR-3 **.22 LONG RIFLE (STANDARD VELOCITY).** "CHAMPION". Lead bullet. Load. No. 712.



LR-4 **.22 LONG RIFLE (BIRD SHOT).** Loaded with 25 gr. of No. 12 shot. Load. No. 716.



WMR-1 **.22 WIN. MAG. RIMFIRE (HIGH VELOCITY).** A 40 gr. full metal, jacketed bullet. Load No. 737.



WMR-2 **.22 WIN. MAG. RIMFIRE (HOLLOW POINT).** A 50 gr. Jacketed, hollow point bullet. Load No. 757.



FEDERAL CARTRIDGE Co.

1992 100 Rd. PLASTIC PACK Issues

LR—1



LR—2



LR—3



LR—4



“A” Bottom



FEDERAL CARTRIDGE Co.

1992 100 Rd. PLASTIC PACK Issues

LR-1 **.22 LONG RIFLE (HIGH VELOCITY)**. "CLASSIC" Smoke colored plastic box and lid. A silver partial wrap-around label . A copper plated bullet loaded in a brass case with. "F-8" h/s. Load No. 810 on top and end. TM above CLASSIC. "A" bottom.

Variations noted:

- (a) Blue ink used for printing. Load No. printed. in blue.
- (b) Blue ink used for printing. Load No. printed. in white
- (c) Black ink used for printing. Load No. printed. in white

LR-2 **.22 LONG RIFLE (HIGH VELOCITY)**. "CLASSIC" . Smoke colored plastic box and lid. A silver partial wrap-around label . A copper plated bullet loaded in a brass case with. "F-8" h/s. Load No. 810 on top and end. "B" bottom.

Variations noted:

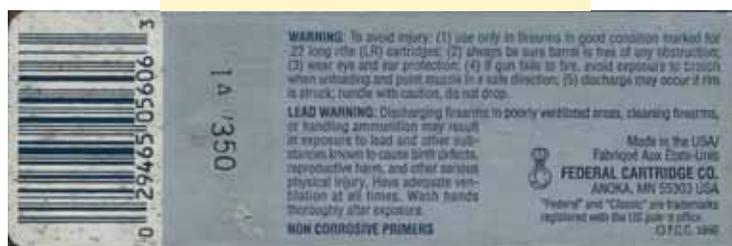
- (a) Small ® above CLASSIC.
- (b) Large ® above CLASSIC.



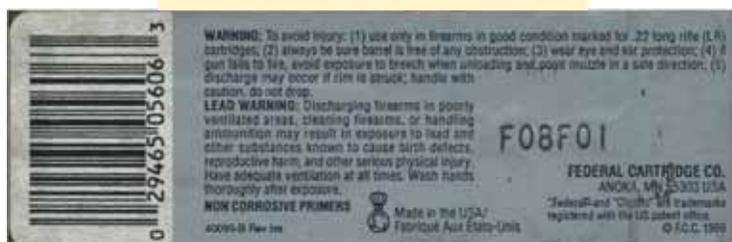
LR-3 **.22 LONG RIFLE (HIGH VELOCITY)**. "CLASSIC". Smoke colored plastic box with clear lid. A silver partial wrap-around label . A copper plated bullet loaded in a brass case with. "F-8" h/s. Load No. 810 on top and end. "D" bottom.

LR-4 **.22 LONG RIFLE (HIGH VELOCITY)**. "CLASSIC". LR-3 box with white export over-label on top.

"B" Bottom



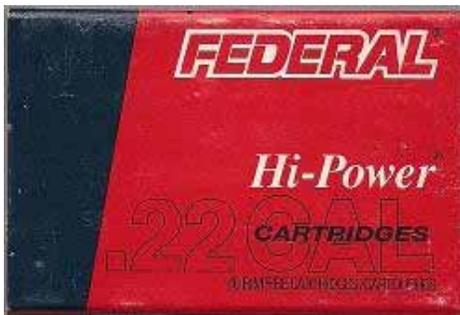
"D" Bottom



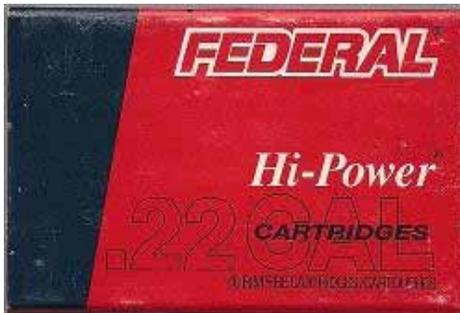
FEDERAL CARTRIDGE Co.

1993 40 ROUND Hi-Powe Boxes

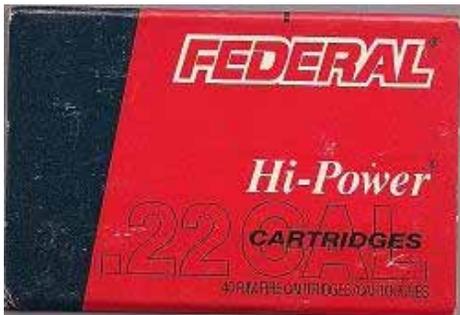
LR-1



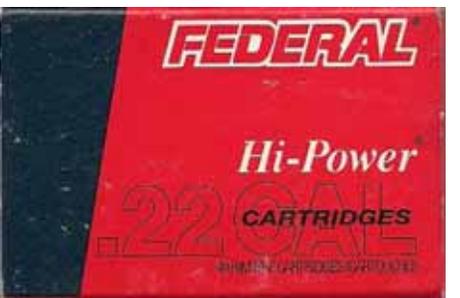
LR-2



LR-3



LR-4



FEDERAL CARTRIDGE Co.

1993 40 ROUND Hi-Powe Boxes

These 40 round boxes were manufactured for distribution in Canada in 1993 by the Canadian Tire Corp

LR-1 **.22 LONG RIFLE (HYPER VELOCITY).** "HI-POWER, COPPER PLATED". Red and dark blue box with white and dark blue printing. Brass case with a "F-8" h/s. No Load No. 36 gr. solid copper-plated



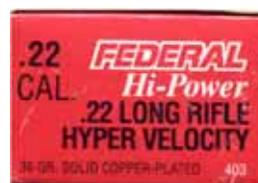
LR-2 **.22 LONG RIFLE (HIGH VELOCITY).** "HI-POWER, LEAD". Red and dark blue box with white and dark blue printing. A solid lead 40gr. bullet loaded in a brass case with a "F-8" h/s. Load No. 401 on the right end flap.



LR-3 **.22 LONG RIFLE (HOLLOW POINT, HIGH VELOCITY).** "HI-POWER, LEAD". Red and dark blue box with white and dark blue printing. A hollow point 38 gr. lead bullet loaded in a brass case with a "F-8" h/s. Load No. 402 on the right end flap.



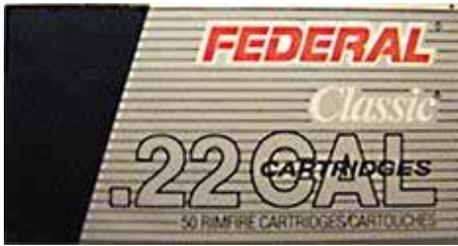
LR-4 **.22 LONG RIFLE (HYPER VELOCITY).** "HI-POWER, COPPER-PLATED". Red and dark blue box with white and dark blue printing. A flat tipped 36 gr. copper-plated bullet loaded in a brass case with a "F-8" h/s. Load No. 403 on the right end. flap.



FEDERAL CARTRIDGE Co.

1993-94 CLASSIC

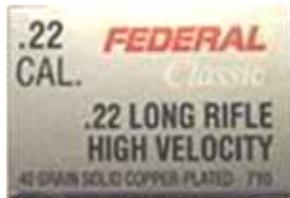
Small Box



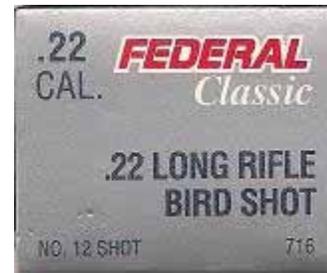
Large Box



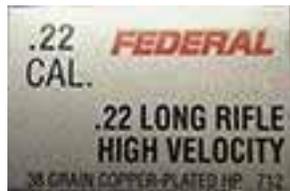
LR-1



LR-3



LR-2



WMR-1



WMR-2



FEDERAL CARTRIDGE Co.

1993-94 CLASSIC

Federal added the "LEAD WARNING" to the front of the box in 1993. These boxes are dark blue and silver with red, white and dark blue printing. Brass case with a "F-8" h/s. Load No. is on the end flap. The left end flap is dark blue and the right end flap is silver in color.

LR-1 .22 LONG RIFLE (HIGH VELOCITY). "CLASSIC". A copper-plated 40 gr. solid bullet. Load No. 710.

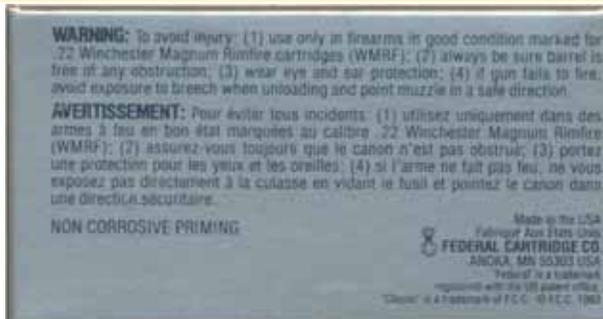
LR-2 .22 LONG RIFLE (HOLLOW POINT, HIGH VELOCITY). "CLASSIC". A 38 gr. copper-plated hollow pointed bullet. Load No. 712.

LR-3 .22 LONG RIFLE (SHOT). "BIRD SHOT". Loaded with 25 gr. No. 12 shot. Load No. 716.

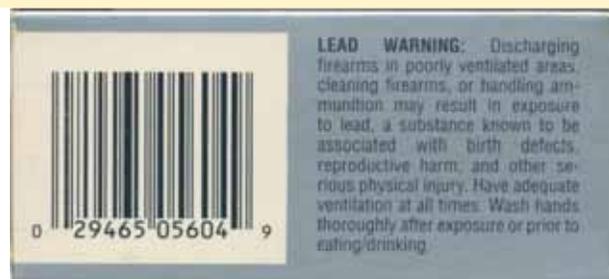
WMR-1 .22 WIN.MAG. RIMFIRE. (HIGH VELOCITY). "CLASSIC". A 40 gr. full metal jacketed bullet. Load No. 737. Variations noted:
(a) Without back end flap.
(b) With back end flap.

WMR-2 .22 WIN.MAG. RIMFIRE. (HOLLOW POINT, HIGH VELOCITY). "CLASSIC". A 50 gr. jacketed hollow point bullet. Load No. 757.

Bottom



Front



Back



FEDERAL CARTRIDGE Co.

1995 CLASSIC

Small Box



Large Box



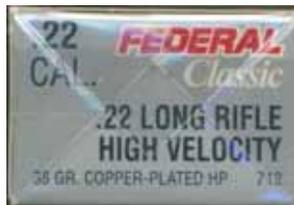
LR-1



LR-4



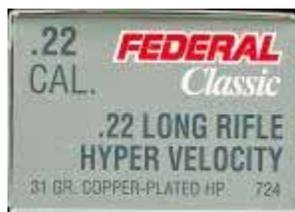
LR-2



WMR-1



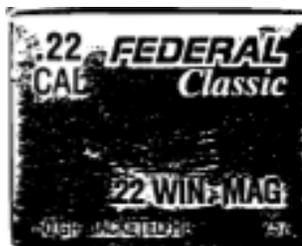
LR-3



WMR-2



WMR-2



FEDERAL CARTRIDGE Co.

1995 CLASSIC

Federal added the "SHOOTING SPORTS" logo to the back in 1995. All boxes have a back end flap. These boxes are dark blue and silver with red, white and dark blue printing. Brass cases with a "F-8" h/s. Load No. is on the end flap. Both end flaps are now silver in color and have the same wording.

LR-1 **.22 LONG RIFLE (HIGH VELOCITY)**. "CLASSIC". A copper-plated 40 gr. solid bullet. Load No. 710.

LR-2 **.22 LONG RIFLE (HOLLOW POINT, HIGH VELOCITY)**. "CLASSIC". A 38 gr. copper-plated hollow point bullet. Load No. 712.

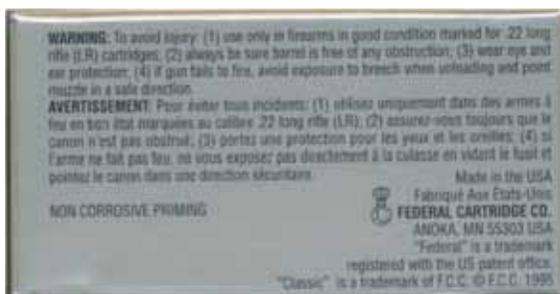
LR-3 **.22 LONG RIFLE (HIGH VELOCITY)**. "CLASSIC". A 31 gr. copper-plated hollow point bullet. Load No. 724. Introduced in 1996. . Variations noted:
(a) Without side flap.
(b) With side flap.

LR-4 **.22 LONG RIFLE (SHOT)**. "BIRD SHOT". Load No. 716. Variations noted:
(a) No. 12 shot.
(b) No. 10 shot.

WMR-1 **.22 WIN. MAG. RIMFIRE (HIGH VELOCITY)**. "CLASSIC". A 40 gr. full metal jacketed bullet. Load No. 737.

WMR-2 **.22 WIN. MAG. RIMFIRE (HOLLOW POINT, HIGH VELOCITY)**. "CLASSIC". A 50 gr. jacketed hollow point bullet. Load No. 757.

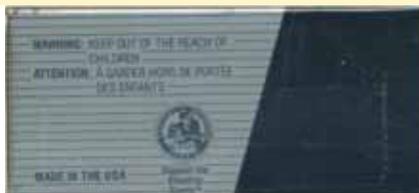
WMR-3 **.22 WIN. MAG. RIMFIRE (HOLLOW POINT, HIGH VELOCITY)**. "CLASSIC". A 30 gr. jacketed hollow point bullet. Load No. 767.



"A" Back



"B" Back



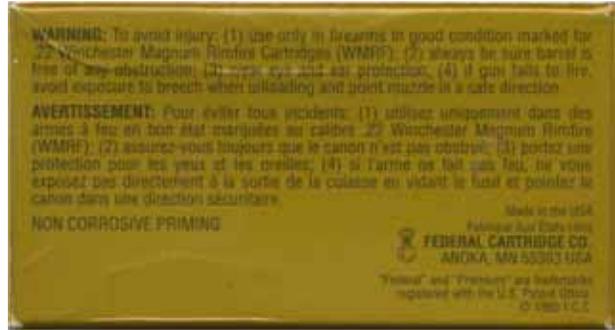
"C" Back



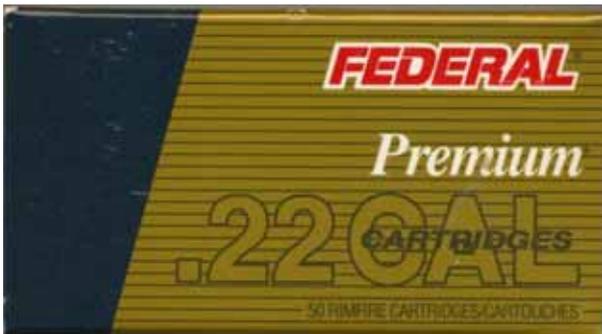
FEDERAL CARTRIDGE Co.

199-97 22 WIN. MAG PREMIUM

WMR-1



WMR-2



FEDERAL CARTRIDGE Co.

1996-97 22 WIN. MAG PREMIUM

Introduced in 1996 the Premium .22 WIN MAG was produced with a 30 gr. Sierra JHP bullet.

WMR-1 .22 WIN. MAG. RIMFIRE. "PREMIUM". A gold box with red, white and dark blue printing. A Sierra 30 gr. JHP bullet loaded in a brass case with a "F-8" h/s. Load No. P765. 1995 bottom.

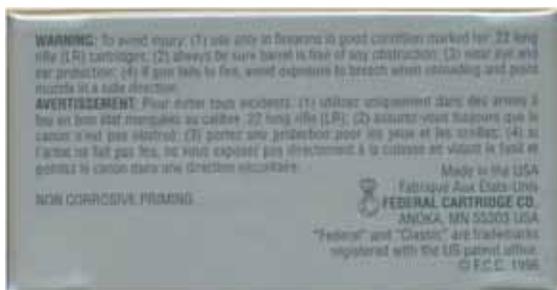


WMR-2 .22 WIN. MAG. RIMFIRE. "PREMIUM". Same as WMR-1 except a 1997 bottom and the back has a SHOOTING SPORTS logo (1997)

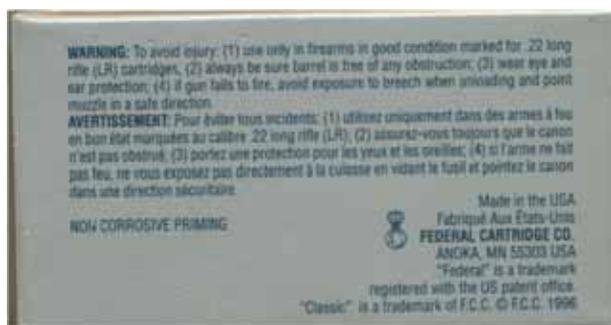
FEDERAL CARTRIDGE Co.

1996-97 CLASSIC

Small Box



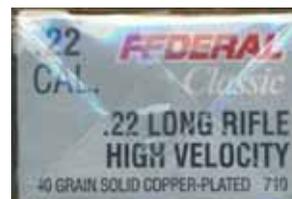
Large Box



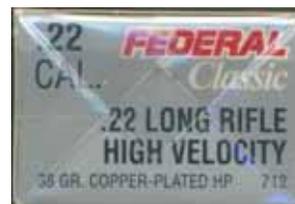
FEDERAL CARTRIDGE Co.

1996-97 CLASSIC

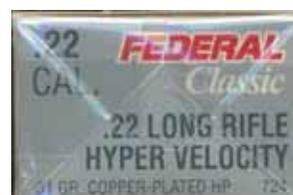
LR-1 .22 LONG RIFLE (HIGH VELOCITY). "CLASSIC". A copper-plated 40 gr. solid bullet. Load No. 710.



LR-2 .22 LONG RIFLE (HOLLOW POINT, HIGH VELOCITY). "CLASSIC". A 38 gr. copper-plated hollow point bullet. Load No. 712.



LR-3 .22 LONG RIFLE (HYPER VELOCITY). "CLASSIC". A 31 gr. copper-plated hollow point bullet. Load No. 724. .



LR-4 .22 LONG RIFLE (SHOT). "BIRD SHOT". Load No. 716.



FEDERAL CARTRIDGE Co.

1998 CLASSIC



WARNING: To avoid injury: (1) use only in firearms in good condition marked for .22 long rifle (LR) cartridges; (2) always be sure barrel is free of any obstruction; (3) wear eye and ear protection; (4) if gun fails to fire, avoid exposure to breech when unloading and point muzzle in a safe direction; (5) discharge may occur if rim is struck; handle with caution, do not drop.

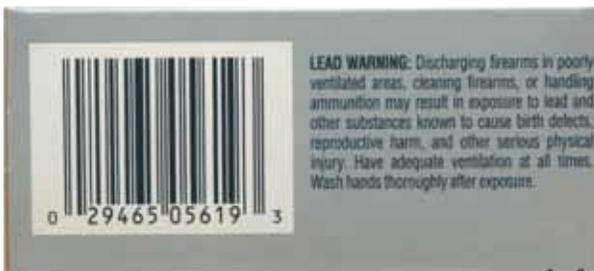
AVERTISSEMENT: Pour éviter tous accidents: (1) utilisez uniquement dans des armes à feu en bon état marquées au calibre .22 long rifle (LR); (2) assurez-vous toujours que le canon n'est pas obstrué; (3) portez une protection pour les yeux et les oreilles; (4) si l'arme ne fait pas feu, ne vous exposez pas directement à la sortie de la culasse en visant le fusil et pointez le canon dans une direction sécuritaire; (5) une décharge pourrait survenir si le culot est trappé; manipulez avec soin, ne pas échapper.

NON CORROSIVE PRIMING



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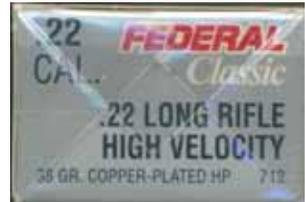
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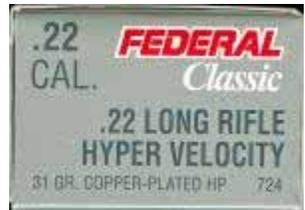
LR-1 .22 LONG RIFLE (HIGH VELOCITY). "CLASSIC". A copper-plated 40 gr. solid bullet. Load No. 710.



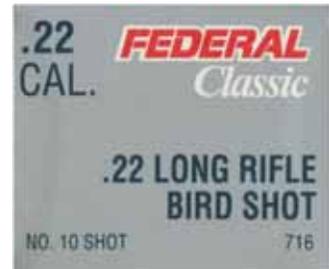
LR-2 .22 LONG RIFLE (HOLLOW POINT, HIGH VELOCITY). "CLASSIC". A 38 gr. copper-plated hollow point bullet. Load No. 712



LR-3 .22 LONG RIFLE (HIGH VELOCITY). "CLASSIC". A 31 gr. copper-plated hollow point bullet. Load No. 724



LR-4 .22 LONG RIFLE (SHOT). "BIRD SHOT". Load No. 716.



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1999 CLASSIC

Small Box



WARNING: To avoid injury: (1) use only in firearms in good condition marked for .22 long rifle (LR) cartridges; (2) always be sure barrel is free of any obstruction; (3) wear eye and ear protection; (4) if gun fails to fire, avoid exposure to breach when unloading and point muzzle in a safe direction; (5) discharge may occur if rim is struck; handle with caution; do not drop.

AVERTISSEMENT: Pour éviter tout incident: (1) utilisez uniquement dans des armes à feu en bon état marquées au calibre .22 long rifle (LR); (2) assurez-vous toujours que le canon n'est pas obstrué; (3) portez une protection pour les yeux et les oreilles; (4) si l'arme ne fait pas feu, ne vous exposez pas directement à la sortie de la culasse en vidant le fusil et pointez le canon dans une direction sécuritaire; (5) une décharge pourrait survenir si le collet est frappé; manipulez avec soin; ne pas échapper.

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Large Box



WARNING: To avoid injury: (1) use only in firearms in good condition marked for .22 long rifle (LR) cartridges; (2) always be sure barrel is free of any obstruction; (3) wear eye and ear protection; (4) if gun fails to fire, avoid exposure to breach when unloading and point muzzle in a safe direction; (5) discharge may occur if rim is struck; handle with caution; do not drop.

AVERTISSEMENT: Pour éviter tout incident: (1) utilisez uniquement dans des armes à feu en bon état marquées au calibre .22 long rifle (LR); (2) assurez-vous toujours que le canon n'est pas obstrué; (3) portez une protection pour les yeux et les oreilles; (4) si l'arme ne fait pas feu, ne vous exposez pas directement à la sortie de la culasse en vidant le fusil et pointez le canon dans une direction sécuritaire; (5) une décharge pourrait survenir si le collet est frappé; manipulez avec soin; ne pas échapper.

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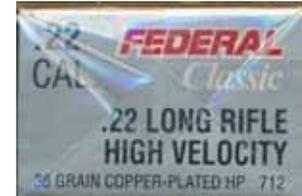
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1999 CLASSIC

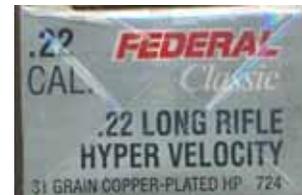
LR-1 .22 LONG RIFLE (HIGH VELOCITY). "CLASSIC". A copper-plated 40 gr. solid bullet. Load No. 710.



LR-2 .22 LONG RIFLE (HOLLOW POINT, HIGH VELOCITY). "CLASSIC". A 38 gr. copper-plated hollow point bullet. Load No. 712.



LR-3 .22 LONG RIFLE (HYPER VELOCITY). "CLASSIC". A 31 gr. copper-plated hollow point bullet. Load No. 724.



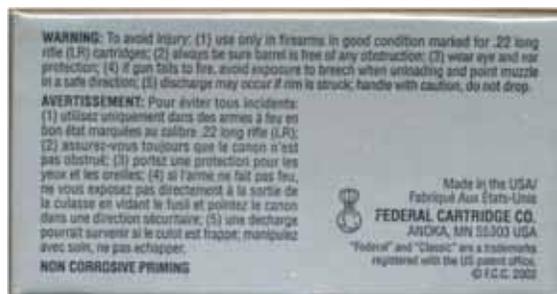
LR-4 .22 LONG RIFLE (SHOT). "BIRD SHOT". Load No. 716.



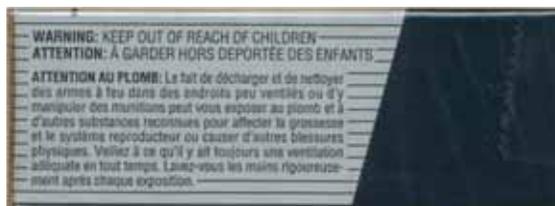
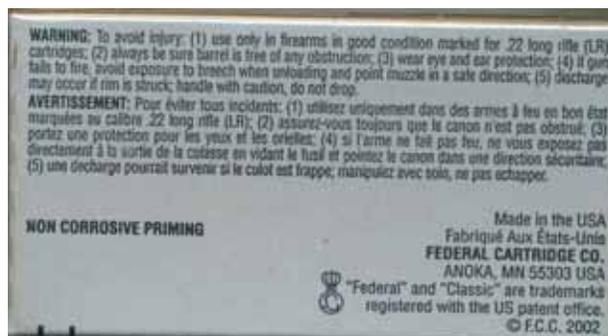
FEDERAL CARTRIDGE Co.

2002 CLASSIC

Small Box



Large Box

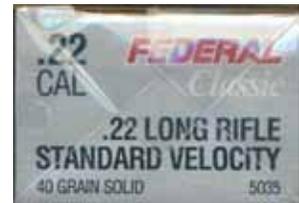


2002 CLASSIC

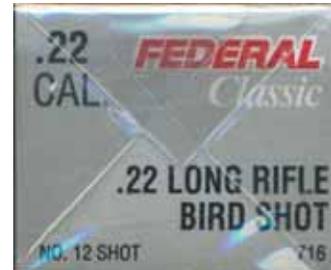
LR-1 .22 LONG RIFLE (HIGH VELOCITY). "CLASSIC". A copper-plated 40 gr. solid bullet. Load No. 710.

LR-2 .22 LONG RIFLE (HOLLOW POINT, HIGH VELOCITY). "CLASSIC". A 38 gr. copper-plated hollow point bullet. Load No. 712.

LR-3 .22 LONG RIFLE (STANDARD VELOCITY). "CLASSIC". A 40 gr. lead bullet. Load No. 5035.



LR-4 .22 LONG RIFLE (SHOT). "BIRD SHOT". Load No. 716. #12 shot.



FEDERAL CARTRIDGE Co.

GOLD MEDAL Paper Box 1992-1995



LR-1



WARNING: To avoid injury: (1) use only in firearms in good condition marked for .22 long rifle (LR) cartridges; (2) always be sure barrel is free of any obstruction; (3) wear eye and ear protection; (4) if gun fails to fire, avoid exposure to breach when unloading and point muzzle in a safe direction.

AVERTISSEMENT: Pour éviter tous incidents: (1) utilisez uniquement dans des armes à feu en bon état marquées au calibre .22 long rifle (LR); (2) assurez-vous toujours que le canon n'est pas obstrué; (3) portez une protection pour les yeux et les oreilles; (4) si l'arme ne fait pas feu, ne vous exposez pas directement à la culasse en vidant le fusil et pointez le canon dans une direction sécuritaire.

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LR-2



WARNING: To avoid injury: (1) use only in firearms in good condition marked for .22 long rifle (LR) cartridges; (2) always be sure barrel is free of any obstruction; (3) wear eye and ear protection; (4) if gun fails to fire, avoid exposure to breach when unloading and point muzzle in a safe direction.

AVERTISSEMENT: Pour éviter tous incidents: (1) utilisez uniquement dans des armes à feu en bon état marquées au calibre .22 long rifle (LR); (2) assurez-vous toujours que le canon n'est pas obstrué; (3) portez une protection pour les yeux et les oreilles; (4) si l'arme ne fait pas feu, ne vous exposez pas directement à la culasse en vidant le fusil et pointez le canon dans une direction sécuritaire.

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LR-3



WARNING: To avoid injury: (1) use only in firearms in good condition marked for .22 long rifle (LR) cartridges; (2) always be sure barrel is free of any obstruction; (3) wear eye and ear protection; (4) if gun fails to fire, avoid exposure to breach when unloading and point muzzle in a safe direction.

AVERTISSEMENT: Pour éviter tous incidents: (1) utilisez uniquement dans des armes à feu en bon état marquées au calibre .22 long rifle (LR); (2) assurez-vous toujours que le canon n'est pas obstrué; (3) portez une protection pour les yeux et les oreilles; (4) si l'arme ne fait pas feu, ne vous exposez pas directement à la culasse en vidant le fusil et pointez le canon dans une direction sécuritaire.

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LR-4



WARNING: To avoid injury: (1) use only in firearms in good condition marked for .22 long rifle (LR) cartridges; (2) always be sure barrel is free of any obstruction; (3) wear eye and ear protection; (4) if gun fails to fire, avoid exposure to breach when unloading and point muzzle in a safe direction.

AVERTISSEMENT: Pour éviter tous incidents: (1) utilisez uniquement dans des armes à feu en bon état marquées au calibre .22 long rifle (LR); (2) assurez-vous toujours que le canon n'est pas obstrué; (3) portez une protection pour les yeux et les oreilles; (4) si l'arme ne fait pas feu, ne vous exposez pas directement à la culasse en vidant le fusil et pointez le canon dans une direction sécuritaire.

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FEDERAL CARTRIDGE Co.

GOLD MEDAL Paper Box 1992-1995

Gold Medal match ammunition is packaged in 50 rd. white paper boxes with dark blue, red and gold printing. Lead bullet loaded in a brass case. No h/s. Dimple in head of case.

LR-1 .22 LONG RIFLE (STANDARD VELOCITY). "TARGET". Target load replaced "CHAMPION" and has the same load No. 711. "F-8" h/s. (1992)



LR-2 .22 LONG RIFLE (STANDARD VELOCITY). "MATCH". Load No. 900. (1992)



LR-3 .22 LONG RIFLE (STANDARD VELOCITY). "TARGET". Load No. 711. This box has the "LEAD WARNING" on the front. (1995)



LR-4 .22 LONG RIFLE (STANDARD VELOCITY). "MATCH". Load No. 900. "F-8" h/s. (1995)



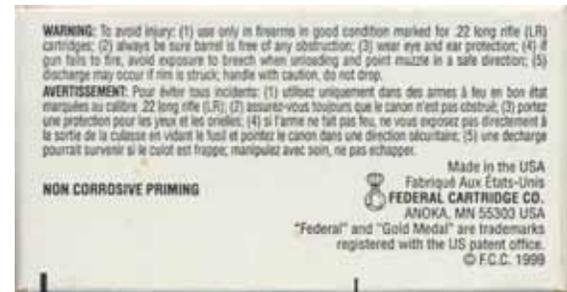
FEDERAL CARTRIDGE Co.

GOLD MEDAL Paper Box 1996-1999

LR-5



LR-6



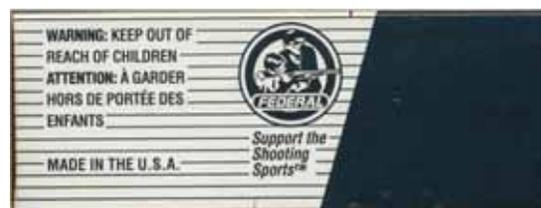
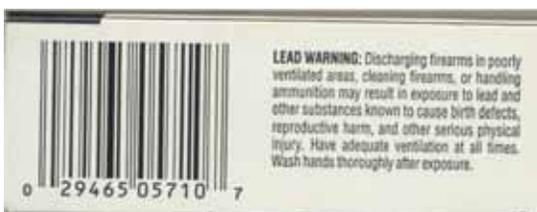
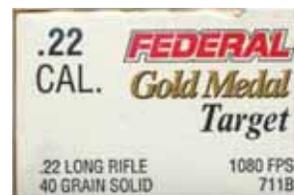
FEDERAL CARTRIDGE Co.

GOLD MEDAL Paper Box 1996-1999

LR-5 .22 LONG RIFLE (STANDARD VELOCITY). "TARGET". Load No. 711. "F-8" h/s. Load No. 711. (1997)



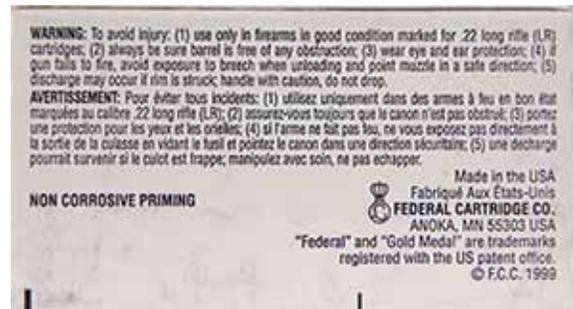
LR-6 .22 LONG RIFLE (STANDARD VELOCITY). "TARGET". Load No. 711B.. (1999)



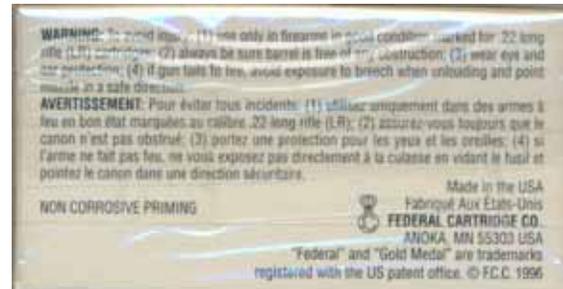
FEDERAL CARTRIDGE Co.

GOLD MEDAL Paper Box 1996-1999

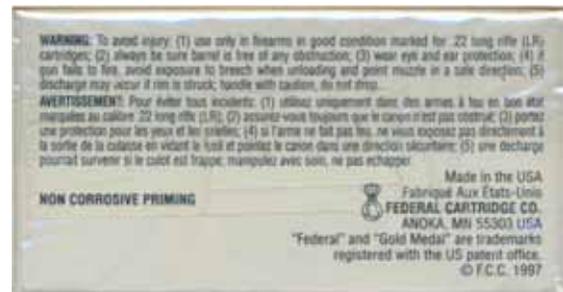
LR-7



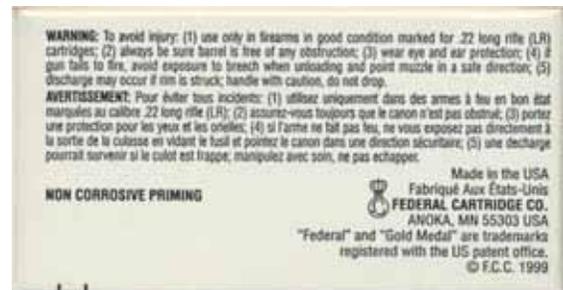
LR-8 (a)



LR-8 (b)



LR-8 (c)



FEDERAL CARTRIDGE Co.

GOLD MEDAL Paper Box 1996-1999

LR-7 .22 LONG RIFLE (STANDARD VELOCITY). "MATCH". Load No. 900A replaced 900 in 1997. "B" back.

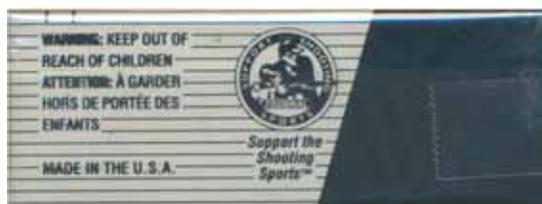
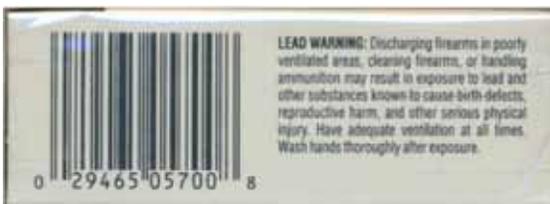
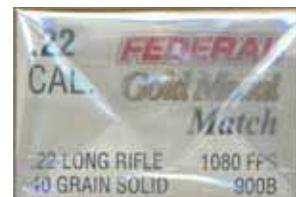


LR-8 .22 LONG RIFLE (STANDARD VELOCITY). "MATCH". Load No. 900B.. New in 1997.

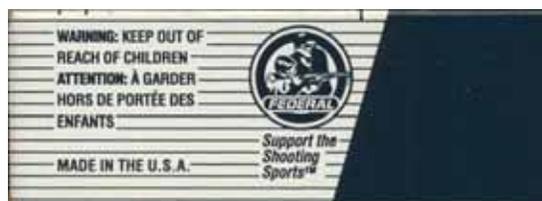
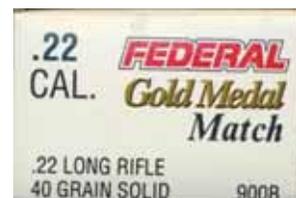
Variations noted:
(a) 1996



LR-8 (b) 1997-1998



LR-8 (c) 1999



2002 TARGET Boxes

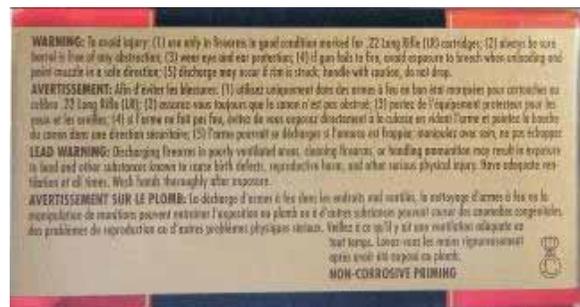
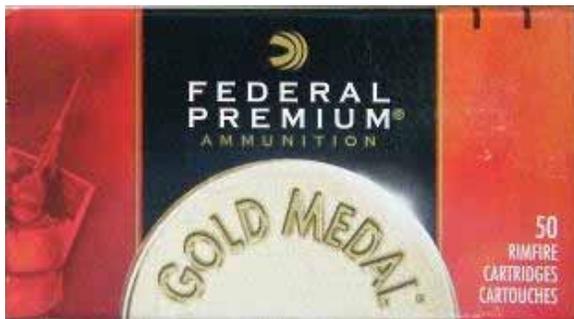
LR-1 .22 LONG RIFLE (TARGET). Red and dark blue box with white and dark blue printing. Product code 714. Brass case with a "F-8" h/s. Lead bullet with 3K. (2002)



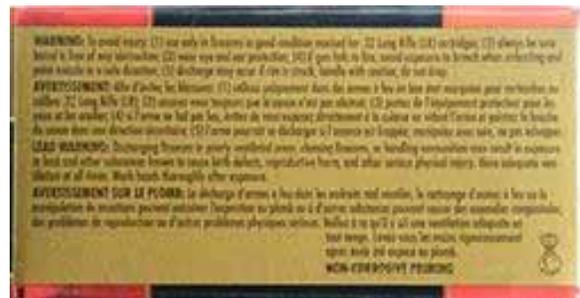
FEDERAL CARTRIDGE Co.

2004-2008 FEDERAL PREMIUM- GOLD MEDAL Paper Box

LR-1



LR-2



FEDERAL CARTRIDGE Co.

2004-2008 FEDERAL PREMIUM- GOLD MEDAL Paper Box

A two-piece, Red box with gold black and white printing. Load No. are on the left end. Lead bullet in a brass case with a dimple in the head of the case.

LR-1 **.22 LONG RIFLE (TARGET)**. 1200 FPS on top. Load No. 719 .Brass case with "F-25" h/s/. Lead bullet w 3k. White plastic tray. (2008).



LR-2 **.22 LONG RIFLE (TARGET)**. "F-8" h/s on a brass case. Lead bullet. Load No. 711B .



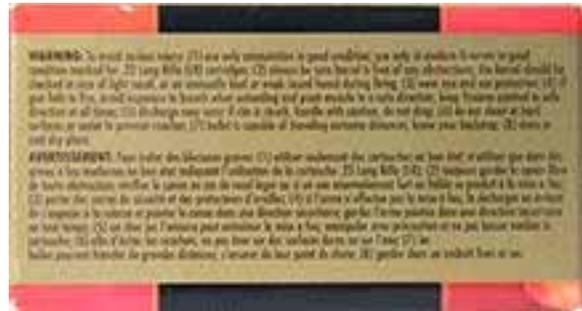
FEDERAL CARTRIDGE Co.

2009-2015 FEDERAL PREMIUM- GOLD MEDAL Paper Box

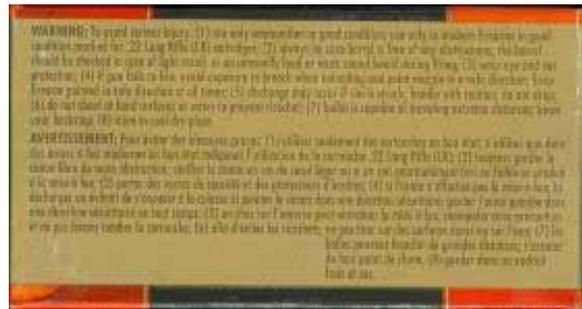
LR-1



LR-2



LR-3



LR-4



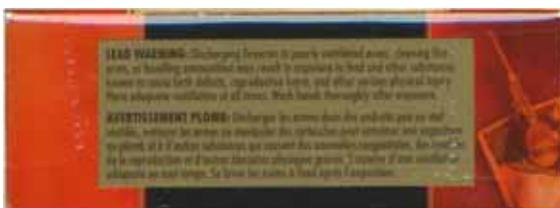
FEDERAL CARTRIDGE Co.

2009-2015 FEDERAL PREMIUM- GOLD MEDAL Paper Box

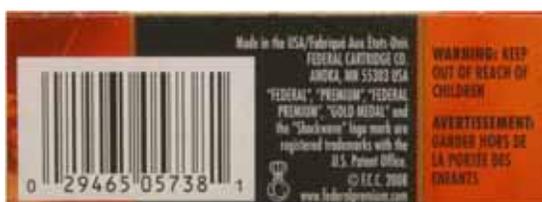
- LR-1 **.22 LONG RIFLE (TARGET). "MATCH".** 1080 FPS on top. Load No. 922A (2010). .Brass case with "F-8" h/s/. Lead bullet w 3k. Black plastic tray. Made in Germany by RWS.
- (a) No warning logo on bottom
 - (b) Warning logo on bottom.



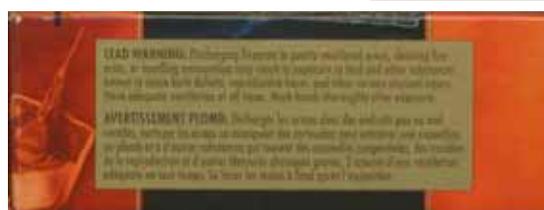
- LR-2 **.22 LONG RIFLE (TARGET). "ULTRAMATCH".** Red box with gold black and white printing. 1080FPS on top. Load No UM22 (2010). .Brass case with "F-8" h/s/. Lead bullet w 2k. Red plastic tray. Made in Germany by RWS.



- LR-3 **.22 LONG RIFLE (TARGET). "HV MATCH".** "F-8" h/s on a brass case. Lead bullet. Load No. 719 .



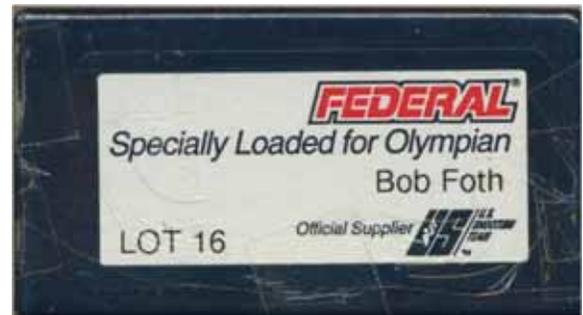
- LR-4 **.22 LONG RIFLE (TARGET). "TARGET".** "F-8" h/s on a brass case. Lead bullet. Load No. 711B . Also shown is white Russian over-sticker on bottom.



FEDERAL CARTRIDGE Co.

GOLD MEDAL Plastic Box

LR-1



LR-2



LR-3



FEDERAL CARTRIDGE Co.

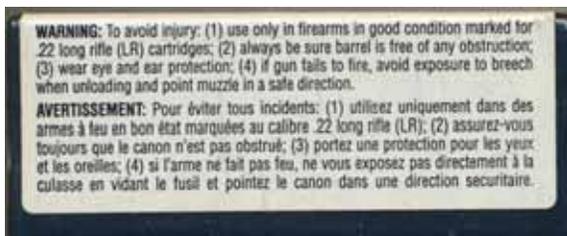
GOLD MEDAL Plastic Box

A two-piece, dark blue plastic box with a dark blue and white label with white, red, dark blue and gold printing. Load No. are on the left end. Lead bullet in a brass case with a dimple in the head of the case.

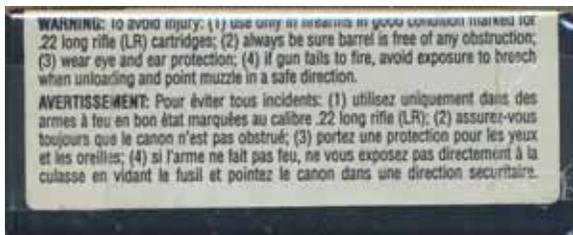
LR-1 **.22 LONG RIFLE (MATCH).** "GOLD MEDAL". Load No. 22GM.
Special lot numbers and bottom for the 1992 Olympic athletes.

Variations noted:

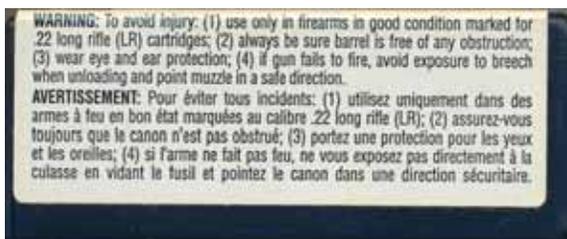
- (a) Lot 11 Bill Meek
- (b) Lot 12 Mike Anti
- (c) Lot 14 Ann-Marie Pfiffner
- (d) Lot 15 David Johnson
- (e) Lot 16 Bob Foth
- (f) Lot 17 Launi Meili



LR-2 **.22 LONG RIFLE (MATCH).** "ULTRA MATCH". Load No. UM1.



LR-3 **.22 LONG RIFLE (MATCH).** "ULTRA MATCH". 1140 FPS on top. Load No. 1000A replacing UM1.



FEDERAL CARTRIDGE Co.

GOLD MEDAL Plastic Box

LR-4 (a)



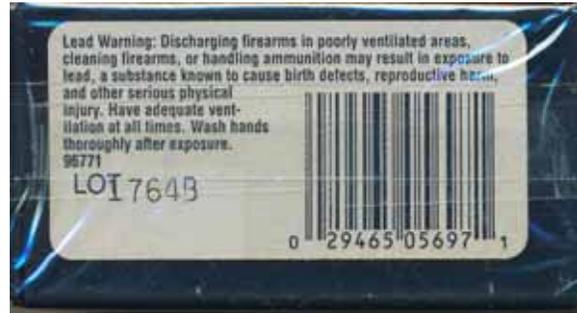
LR-4 (b)



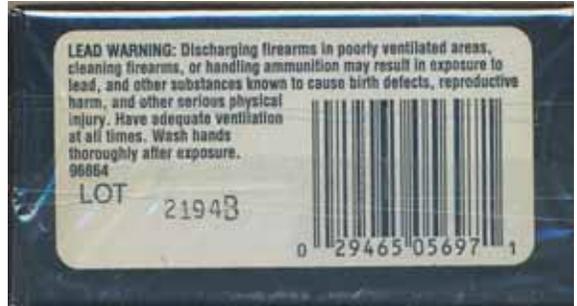
(b1) Bottom



(b2) Bottom



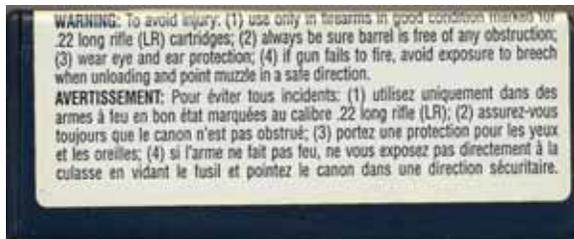
LR-4 (c)



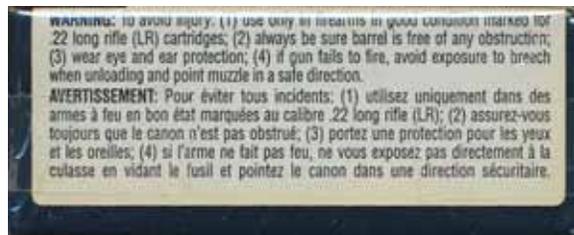
FEDERAL CARTRIDGE Co.

GOLD MEDAL Plastic Box

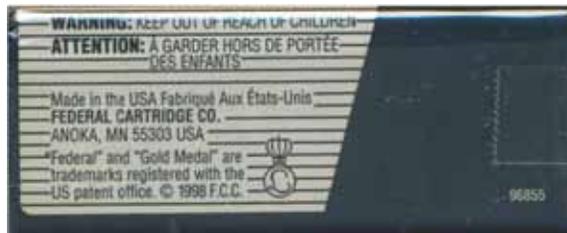
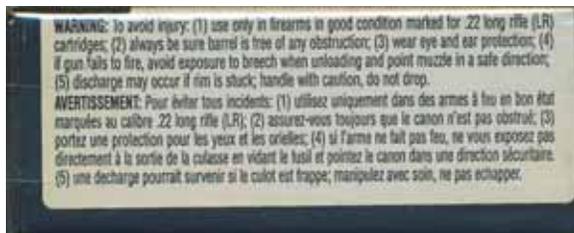
LR-4 .22 LONG RIFLE (MATCH). "ULTRA MATCH". 1080 FPS on top. Load No. 1000A.



LR-4 (b) Load No. 1000B (new in 1997.) Variations
(1) "b-1" bottom (1996-1997)
(2) "b-2" bottom (1998-1999)



LR-4 (c) Load No. UM1B.

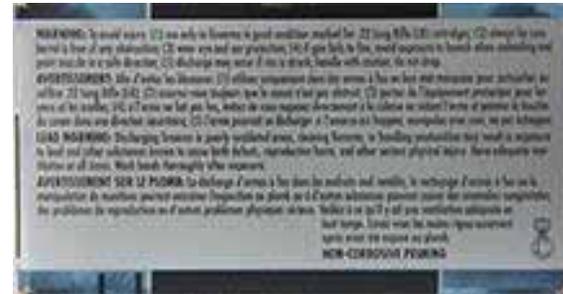
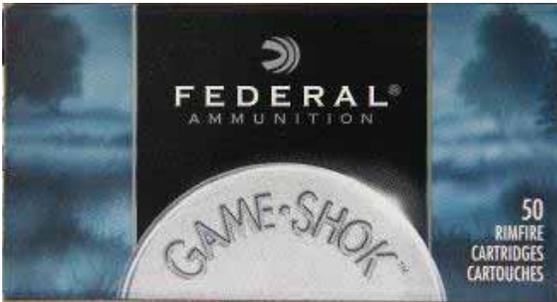


ShokWave Issues 2008 "Game-Shok"

LR-1



LR-2

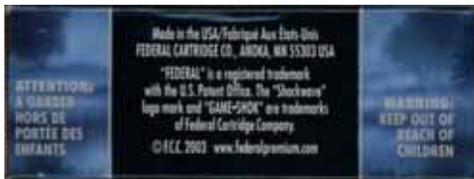


FEDERAL CARTRIDGE Co.

ShokWave Issues 2008 "Game-Shok"

In 2004 Federal redesigned their boxes to their new "Shok-wave" logo in a blue tone and red tone box. This design remains in production .

- LR-1 **.22 LONG RIFLE (HIGH VELOCITY).** "GAME-SHOK" Blue, black and silver box with black and white printing. A 40 gr. copper plated solid bullet loaded in a brass case with. "F-8" h/s. Product code. 710 on end. (2008)



- LR-2 **.22 LONG RIFLE (HYPER VELOCITY HOLLOW POINT).** "GAME-SHOK" Same as LR-1 except for 3h gr. hollow point wording on ends. Product code 712 on end. (2008)



FEDERAL CARTRIDGE Co.

ShokWave Issues "Game-Shok"

LR-4 .22 LONG RIFLE (HYPER VELOCITY SHOT). "GAME SHOK" Same as LR-1 except for Bird Shot wording on ends. "F-8" h/s on brass case.. Load No. 716 on end. No. 12 lead shot..

- (a) With squirrel on end (2010)
- (b) No image in end.



LR-5 .22 LONG RIFLE (HIGH VELOCITY). "GAME-SHOK" Blue, black and silver box with black and white printing. European Warning on side. Bilingual bottom. "F-8" h/s on brass case.. Load No. 716 on end. No. 12 lead shot.. No image in end.. (2016)



FEDERAL CARTRIDGE Co.

ShokWave Issues "Champion"

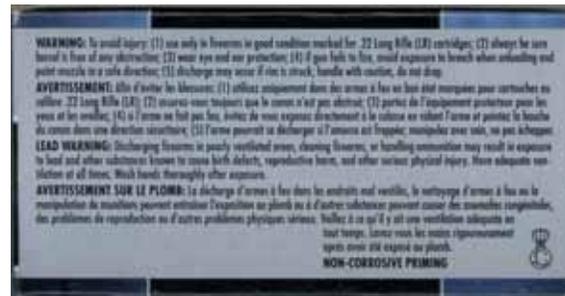
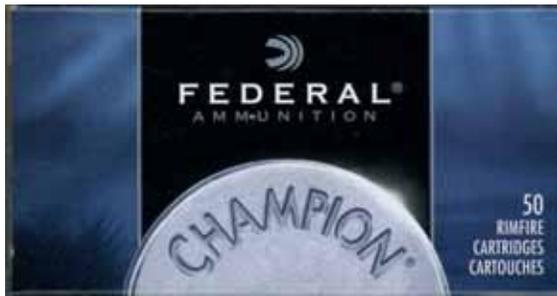
LR-5



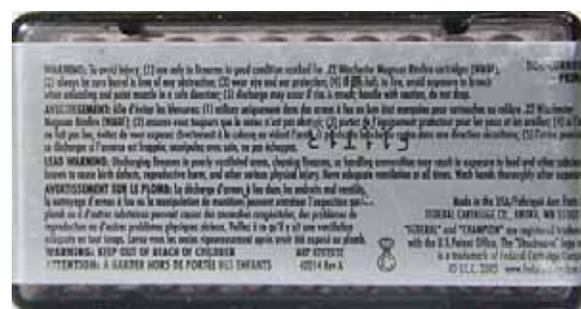
LR-6



LR-7



WMR-1



FEDERAL CARTRIDGE Co.

ShokWave Issues "Champion"

LR-5 **.22 LONG RIFLE (TARGET, STANDARD VELOCITY).** "CHAMPION"
Blue, black and silver box with black and white printing. Lead bullet loaded in a
brass case with. "F-8" h/s. Product code. 714 on end.



LR-6 **.22 LONG RIFLE (TARGET, HIGH VELOCITY).** "CHAMPION"
Blue, black and silver box with black and white printing. Lead bullet loaded in a brass case
with. "F-8" h/s. Product code. 510 on end.



LR-7 **.22 LONG RIFLE (TARGET, STANDARD VELOCITY).** "CHAMPION"
Blue, black and silver box with black and white printing. Lead bullet loaded in a
brass case with. "F-8" h/s. Product code. 5035 on end. Loaded by CCI for Federal.

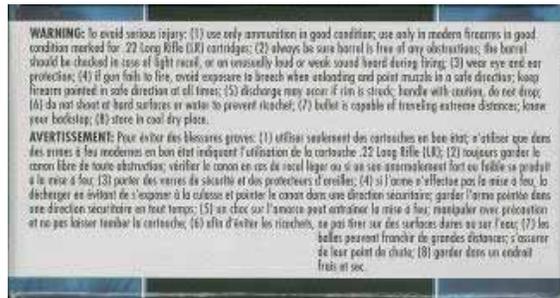
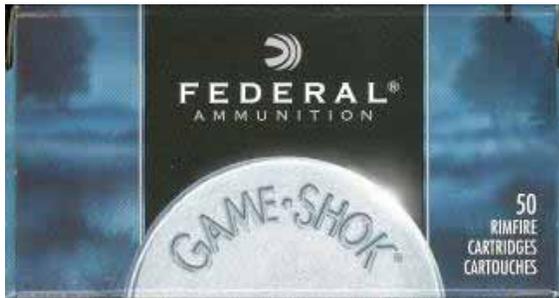


WMR-1 **.22 WIN. MAG.** "CHAMPION". 50 rd. Clear plastic box with blue and silver
label. Product code 737. "F-8" h/s on brass case. 40gr. FMJ bullet. Produced and
packaged by CCI. (2003)

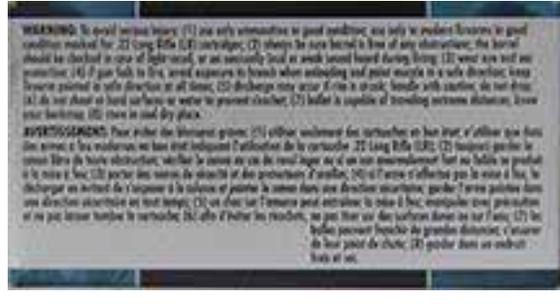


2010 ShokWave Issues

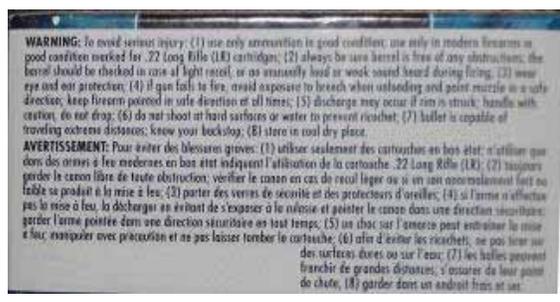
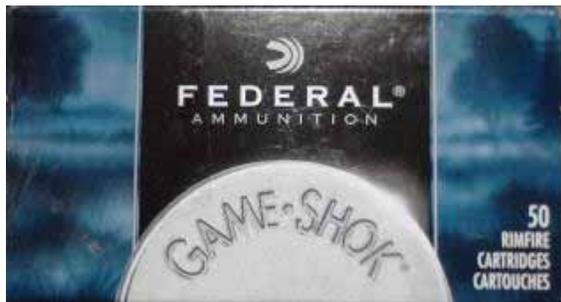
LR-1



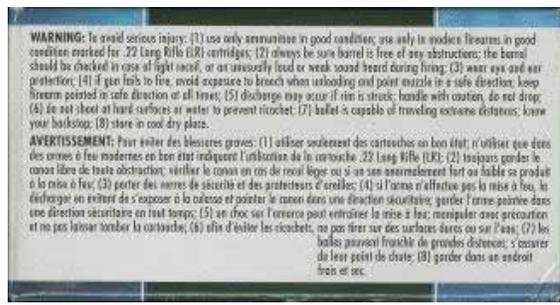
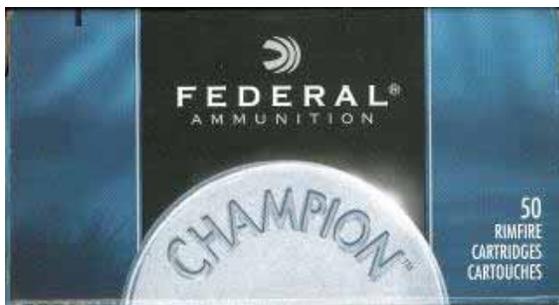
LR-2



LR-3



LR-4



2010 ShokWave Issues

Similar to FED-24 ShokWavebut different bottom and ends.

LR-1 **.22 LONG RIFLE (HYPER VELOCITY).** "GAME SHOK" Blue, black and silver box with black and white printing.. 40 gr. Copper-plated solid bullet. Brass case with. "F-8" h/s. Product code 710 on end.



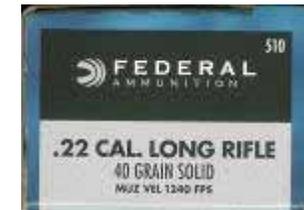
LR-2 **.22 LONG RIFLE (HYPER VELOCITY HOLLOW POINT).** "GAME SHOK" Blue, black and silver box with black and white printing.. Copper plated 31 gr hollow point bullet with 2K loaded in a brass case with. "F-8" h/s. Product code. 724 on end.



LR-3 **.22 LONG RIFLE (HIGH VELOCITY SHOT).** "GAME SHOK" Blue, black and silver box with black and white printing.. Product code 716 on end. Rose-crimped brass case with. "F-8" h/s.



LR-4 **.22 LONG RIFLE (HIGH VELOCITY).** "CHAMPION" Blue, black and silver box with black and white printing. Lead bullet loaded in a brass case with. "F-8" h/s. Product code. 510 on end.



ShokWave Issues 100 PAC Plastic Boxes

LR-1 .22 LONG RIFLE (HIGH VELOCITY). "GAME SHOK" Smoke colored plastic box and lid. A silver partial wrap-around label with blue, black and white printing. A copper plated bullet loaded in a brass case with. "F-8" h/s. Product code 810 on top and end. (2010)



FEDERAL CARTRIDGE Co.

22 WIN MAG Red Label Issues 50 rd Plastic Boxes

WMR-1, 2, & 3



FEDERAL CARTRIDGE Co.

22 WIN MAG Red Label Issues 50 rd Plastic Boxes

Starting in 1998 to 2002 CCI produced and packaged the 50 round .22 WIN MAG series of plastic boxes for Federal

WMR-1 **.22 WIN MAG (FULL METAL JACKET).** Smoke colored plastic box with black and red label. Black and white printing.. "F"-8" h/s on brass case. 40 gr. FMJ bullet. Code 737 on end.



WMR-2 **.22 WIN MAG (JACKETED HOLLOW POINT).** Smoke colored plastic box with black and red label. Black and white printing.. "F"-8" h/s on brass case. 50 gr. JHP bullet.. Code 757 on end.



WMR-3 **.22 WIN MAG (JACKETED HOLLOW POINT).** Smoke colored plastic box with black and red label. Black and white printing.. "F"-8" h/s on brass case. 30 gr. JHP bullet.. Code 767 on end.



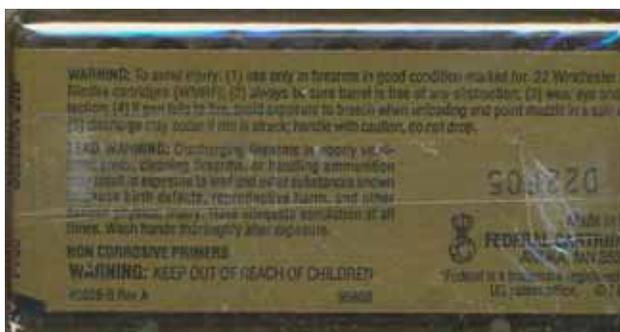
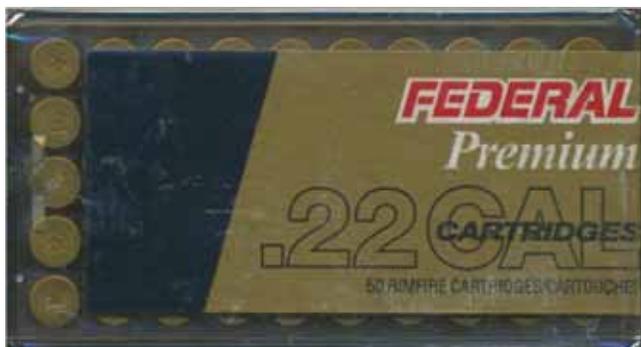
FEDERAL CARTRIDGE Co.

22 WIN MAG Gold Label Issues 50 rd Plastic Boxes

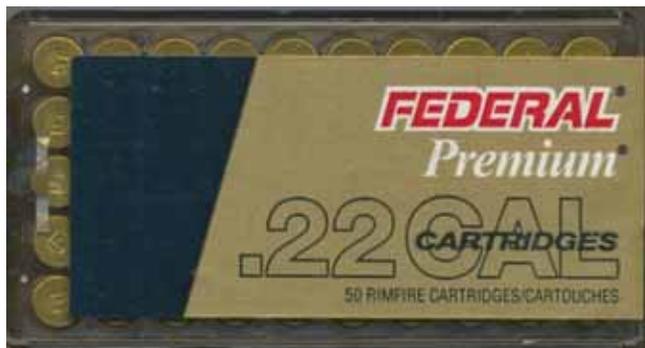
WMR-1



WMR-2



WMR-3



FEDERAL CARTRIDGE Co.

22 WIN MAG Gold Label Issues 50 rd Plastic Boxes

Starting in 1999 CCI produced and packaged the 50 round .22 WIN MAG series of plastic boxes for Federal

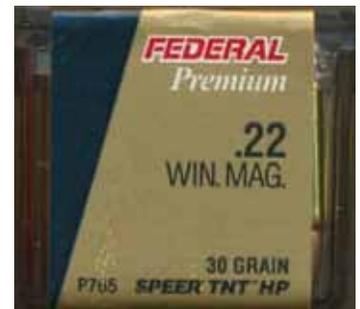
WMR-1 **.22 WIN MAG (JACKETED HOLLOW POINT)**. "SEIRRA JHP" Light smoke colored plastic box with black and gold label. Black, red and white printing.. "F"-8" h/s on brass case. 30 gr. Sierra JHP bullet. Code 765 on end.



WMR-2 **.22 WIN MAG (HOLLOW POINT)**. "SPEER TNT" Light smoke colored plastic box with black and gold label. Black, red and white printing.. "F"-8" h/s on brass case. 30 gr. Speer TNT HP bullet. Code 765 on end.



WMR-3 **.22 WIN MAG (HOLLOW POINT)**. "SPEER TNT" Light smoke colored plastic box with black and gold label. Black, red and white printing.. "F"-8" h/s on brass case. 30 gr Speer TNT HP bullet. Code 765 on end.

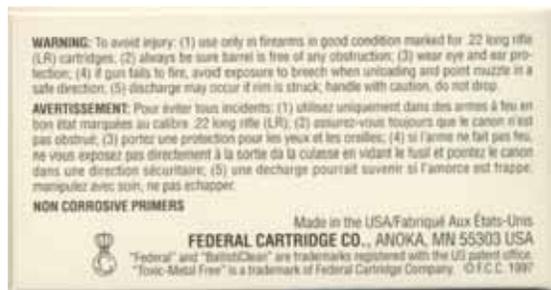


1996-97 BALLISTICLEAN

LR-1 (1996)



LR-2 (1997)

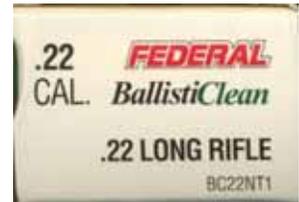


FEDERAL CARTRIDGE Co.

1996-97 BALLISTICLEAN

BallistiClean was marketed as a LEAD-FREE bullet and was produced in 1996 and 1997 It was advertised for 4 years in the Federal catalog but never distributed because of production problems with the tin bullet.

LR-1 **.22 LONG RIFLE.** "BALLISTICLEAN". White and green one-piece box with black, red and green printing. "F" h/s on brass case. Lead-free bullet. Code BC22NT1 on ends. Black LEAD FREE / NON TOXIC on front panel. (1996)



LR-2 **.22 LONG RIFLE.** "BALLISTICLEAN". White and green one-piece box with black, red and green printing. "F" h/s on brass case. Lead-free bullet. Code BC22NT1 on ends. Red LEAD FREE / NON TOXIC on front panel. (1997)



HeadStamp



LR-1

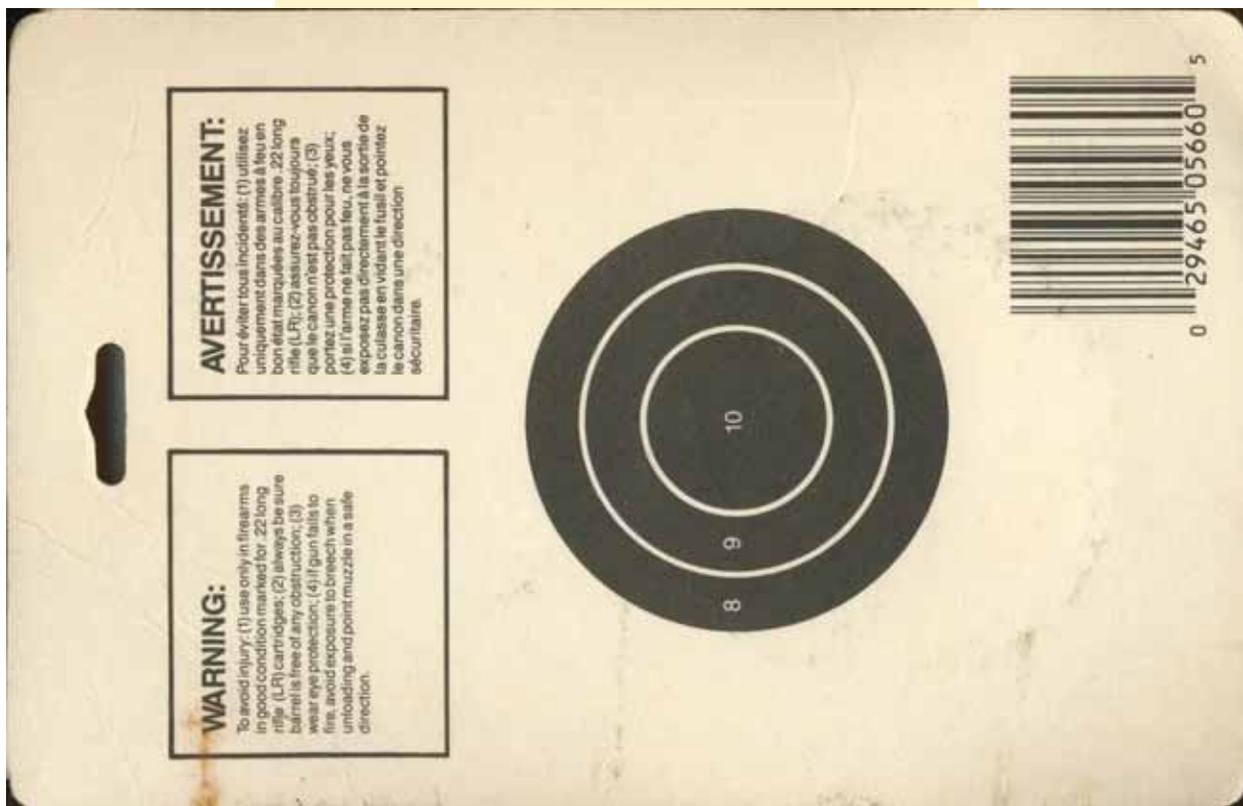


BLISTER PACK

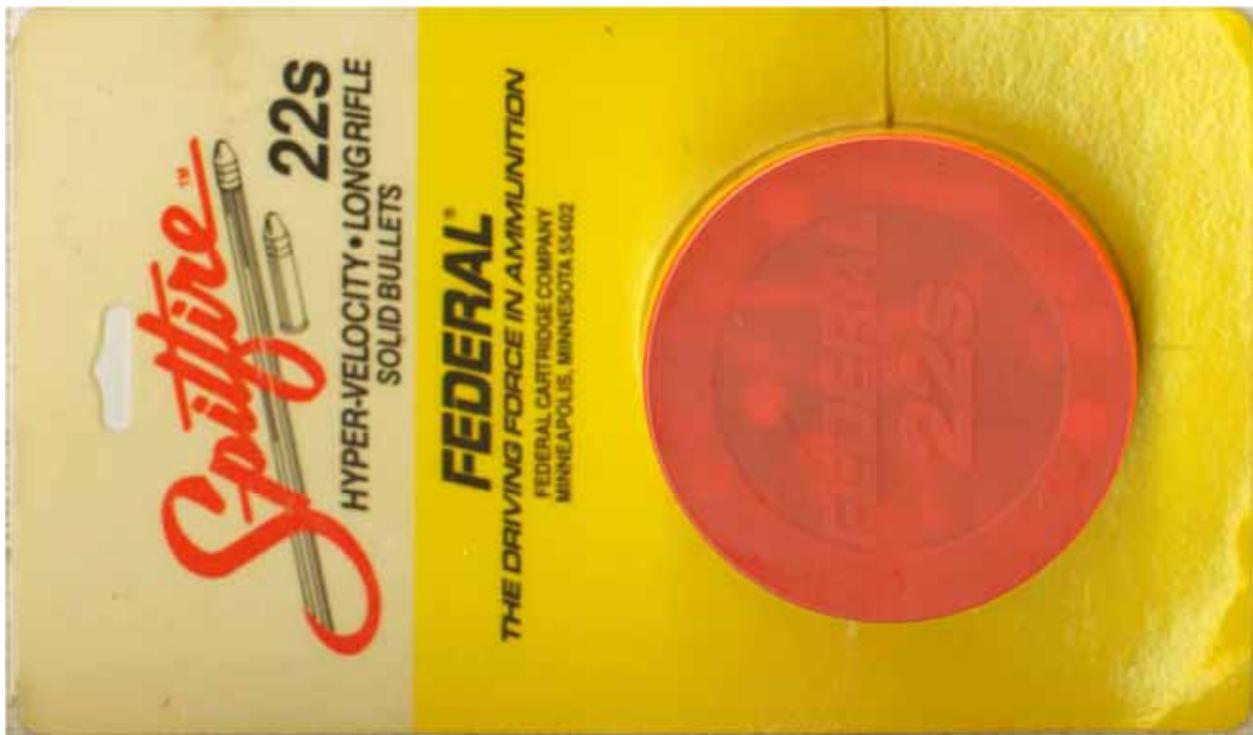
Blister packs were produced for mass merchandisers. They wanted a package that was easy to display but not easy to pilfer (over sized so it is hard to put in pocket). These cards are 4-1/4" wide and 6-1/2" high.

LR-1 .22 LONG RIFLE (HIGH VELOCITY). "LIGHTENING". A blue card with white and gold printing Load No. 510 on the card and box.

Bottom



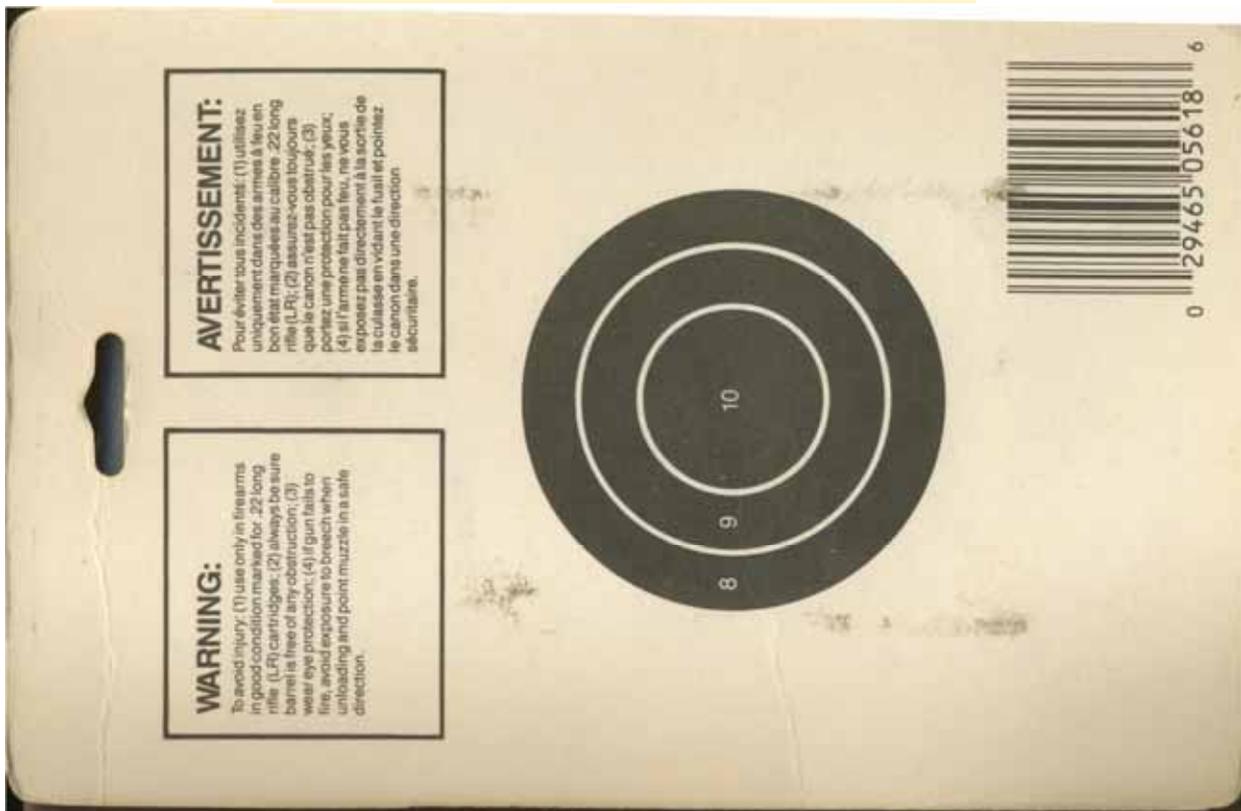
LR-2



BLISTER PACK

LR-2 .22 LONG RIFLE (HYPER VELOCITY), "SPITFIRE". A yellow and white card with red and black printing. The card holds a "SPORT PAK" of Spitfire. Load No. 720 on the side wrapper of the red plastic container. Produced in the late 80's.

Bottom



LR-3



BLISTER PACK

LR-3 .22 LONG RIFLE (STANDARD VELOCITY), "CHAMPION". A blank piece of white cardboard. The card holds a box of "CHAMPION" load No.711. These were reported to have been made up to test for durability in shipping and handling:

Bottom



NOT FOR RESALE

LR-2

FEDERAL
22 LONG RIFLE
36 GRAIN
COPPER PLATED HOLLOW POINT

50 ROUNDS 788BF



FEDERAL CARTRIDGE Co.

NOT FOR RESALE

LR-2 **.22 LONG RIFLE (HOLLOW POINT)**. "BLACK PACK". White one-piece box with end flaps. Black printing on top and ends. Uncatalogued promo manufactured by CCI in Lewiston for Black Friday, 2018. Not for retail sales. "F" h/s on brass case. 36 gr. HP bullet.



NOT FOR INDIVIDUAL RESALE

FEDERAL
22 LONG RIFLE
36 GRAIN CPHP

41682 REV ISS MFP 20032980

MADE IN USA

SAVE
\$30



FEDERAL
.22 LR AMMUNITION

Item # 1504706

\$39.99

After \$10 Instant Savings
And \$20 Mail-In Rebate

REG. \$69.99

- 36gr copper plated round nose
- 1,260 fps
- Brass casings
- 1600 round per box
- Limit 5

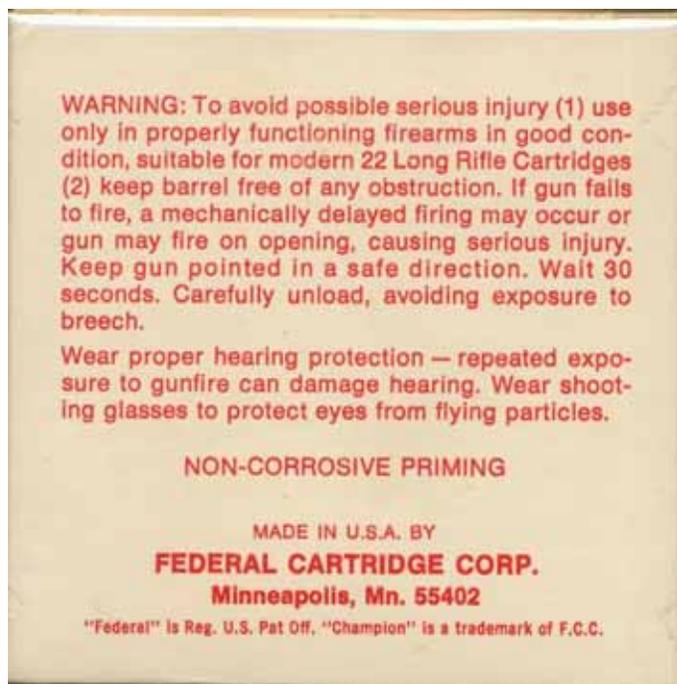
FEDERAL CARTRIDGE Co.

**BULK PACK
NOT FOR RESALE**

S-1



LR-1



S-1 .22 SHORT. A white box with red printing containing 300 rounds. Over-stamped "SHORTS" in black ink on the back of the box. This box is used by Federal to sell ammunition to their employees.

LR-1 .22 LONG RIFLE. This is the same box as S-1. Variations noted:
(a) "HI-VEL" over-stamped with black ink on top.
(b) "STD. VEL." over-stamped with black ink on top.

FEDERAL CARTRIDGE Co.

**BULK PACK
NOT FOR RESALE**

LR-4



LR-4.5



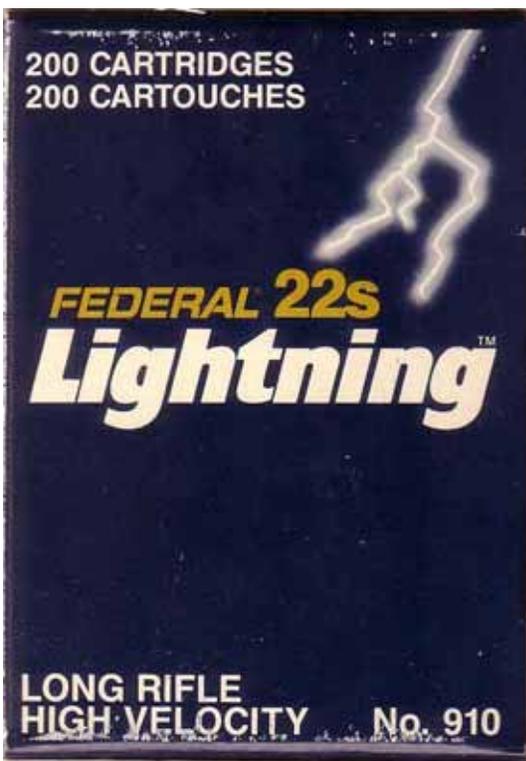
BULK PACK
NOT FOR RESALE

LR-2 & LR-3
On next page

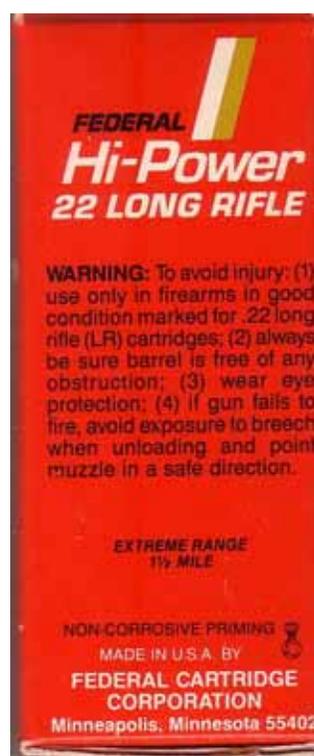
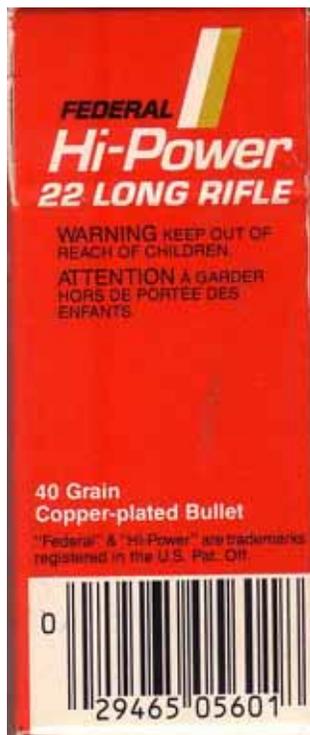
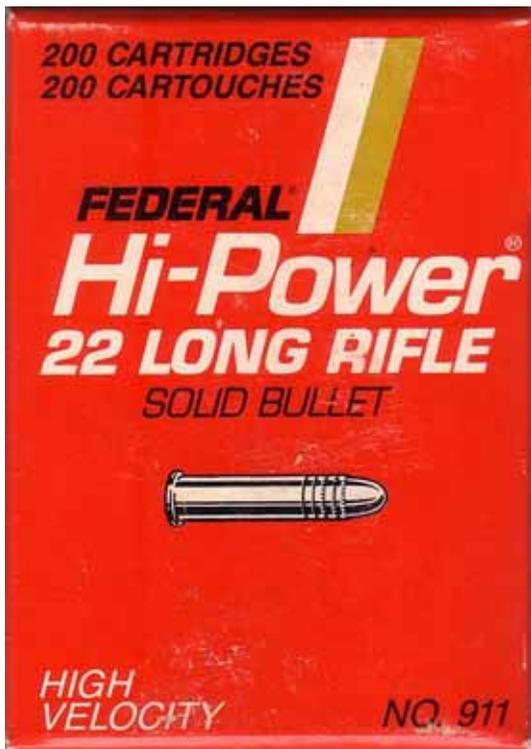
- LR-4 **.22 LONG RIFLE (HIGH VELOCITY)**. A buff two-piece lift top box containing 400 rounds. Copper plated bullet in a brass case with a "F-8" h/s. "LR SECONDS" stamped on top with black ink. A small warning label has been added to the top. This box was sold to employees.
- LR-4.5 **.22 LONG RIFLE (HIGH VELOCITY)**. A buff two-piece lift top box . White over-sticker stating NOT FOR RESALE and Child Warning in red ink. Over-stamped LONG RIFLE in black ink. Contents unknown.

BULK PACK

LR-2



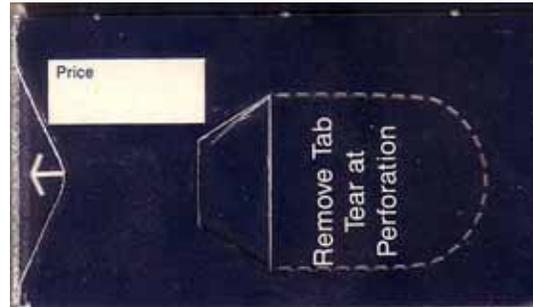
LR-3



FEDERAL CARTRIDGE Co.

BULK PACK

LR-2 **.22 LONG RIFLE (HIGH VELOCITY). "LIGHTNING".** A blue and white box with blue, gold and white printing. A bulk pack of 200 rounds. Lead bullet in a brass case with a "F-8" h/s. Load No. 910 on the front. Introduced in 1984.



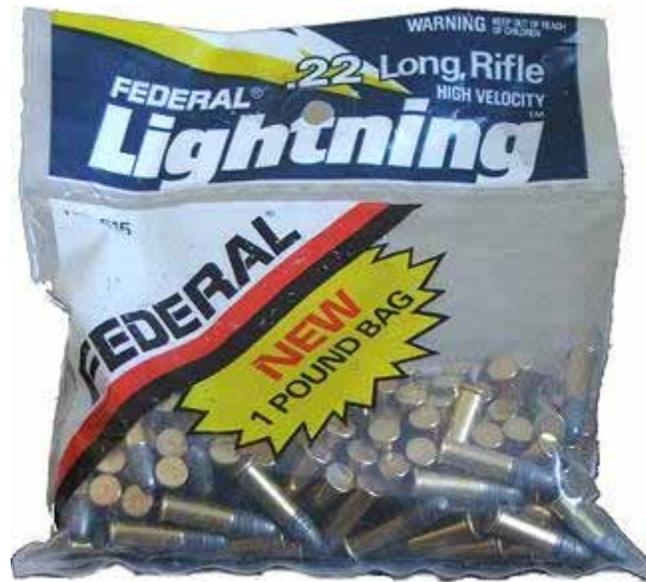
LR-3 **.22 LONG RIFLE (HIGH VELOCITY). "HI-POWER".** A red box with white, gold and black printing. Copper plated bullet in a brass case with a "F-8" h/s. Load No. 911. Introduced in 1984.



FEDERAL CARTRIDGE Co.

BULK PACK

LR-5



LR-6



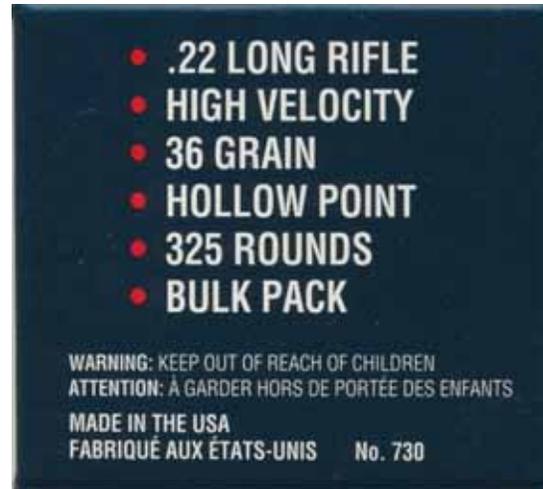
FED-71

BULK PACK

LR-5 **.22 LONG RIFLE (HIGH VELOCITY)**. "LIGHTNING". A clear plastic bag with blue, white and yellow label with blue, black, white and red printing. Lead bullet loaded in a brass case with a "F-8" h/s. The bag contains one pound (136 cartridges). Load No. 515. Introduced in 19_

LR-6 **.22 LONG RIFLE (HOLLOW POINT)**. A dark blue and white box with red, white, blue and gray printing. This box contains 325 rounds of hollow point bullets loaded in a brass case with a "F-8" h/s. Load No. 730 on the left end. Introduced in 1996. Variations noted:

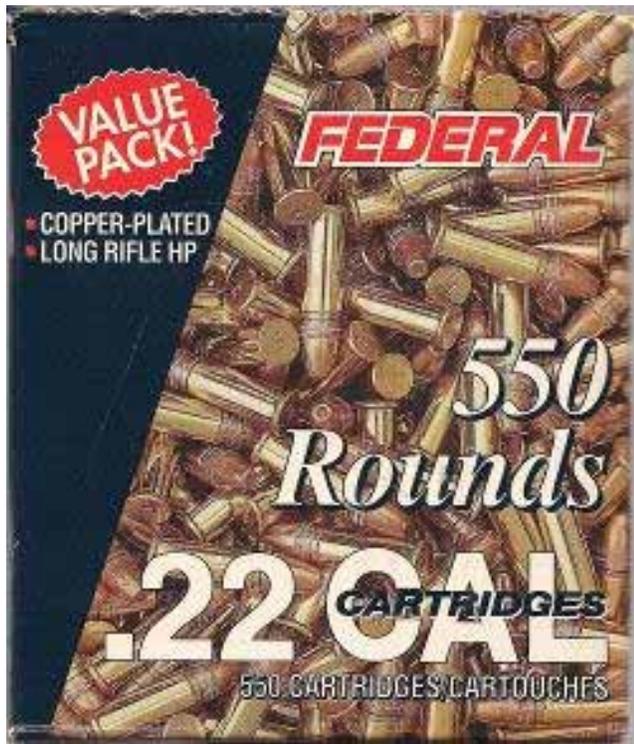
- (a) Box with 1996 date.
- (b) Box with 1997 date.



FEDERAL CARTRIDGE Co.

BULK PACK

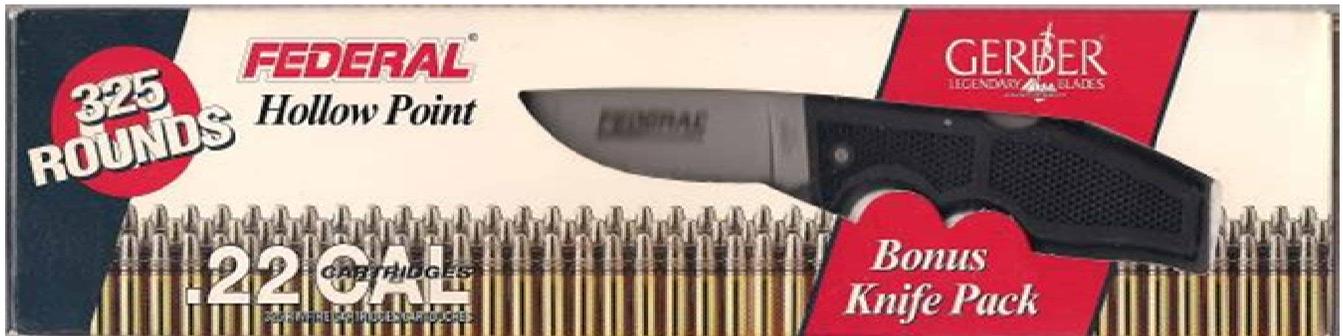
LR-7



LR-8



LR-9



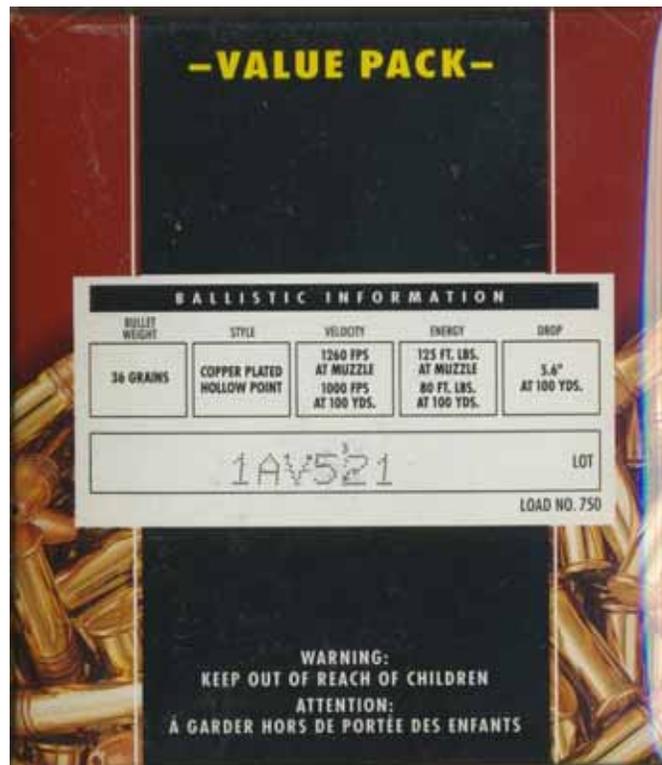
BULK PACK

- LR-7 **.22 LONG RIFLE (HOLLOW POINT)**. A dark blue and white box with black, white, red and brass colored printing. Copper plated hollow point bullets loaded in a brass case with a "F-8" h/s. Box contains 550 rounds. Load No. 750 on the left side. Introduced in 1993. Photo not to scale.
- LR-8 **.22 LONG RIFLE (HOLLOW POINT)**. Same color of box and printing as LR-6. This box was introduced in 1997.
- LR-9 **.22 LONG RIFLE (HOLLOW POINT), with knife**. This "Bonus Knife Pack" Was introduced in 1997 and contains a box of 325 rounds. Same as LR-6(b).

FEDERAL CARTRIDGE Co.

BULK PACK

LR-10



FED-71

FEDERAL CARTRIDGE Co.

BULK PACK

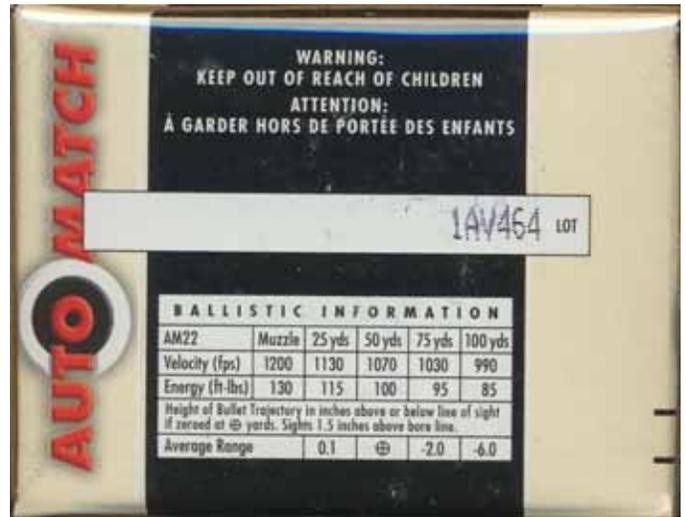
LR-10 **.22 LONG RIFLE (HIGH VELOCITY-HOLLOW POINT "VALUE PACK"**. Brown and black one-piece box of 550 rds. Yellow and white printing. Load No. 750. Brass case with "F-12" h/s Copper plated bullet. (2007)



FEDERAL CARTRIDGE Co.

BULK PACK

LR-11



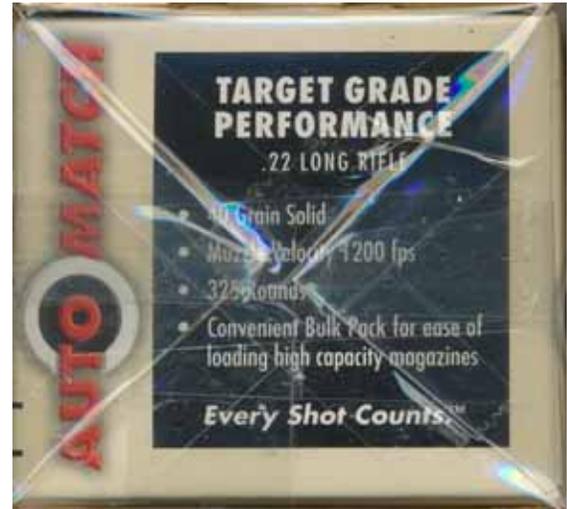
LR-11.5



FEDERAL CARTRIDGE Co.

BULK PACK

LR-11 **.22 LONG RIFLE (TARGET)**. "AUTO MATCH". Off-white one-piece box with black, white and red printing. Product code AM22. "F-8" h/s on a brass case. Lead bullet. (2006)



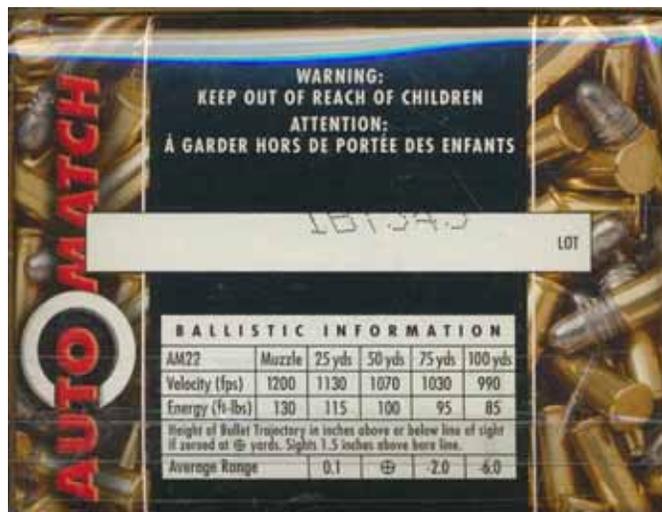
LR-11.5 **.22 LONG RIFLE (TARGET)**. "AUTO MATCH". Same as LR.11 but different back and bottom. (2008)



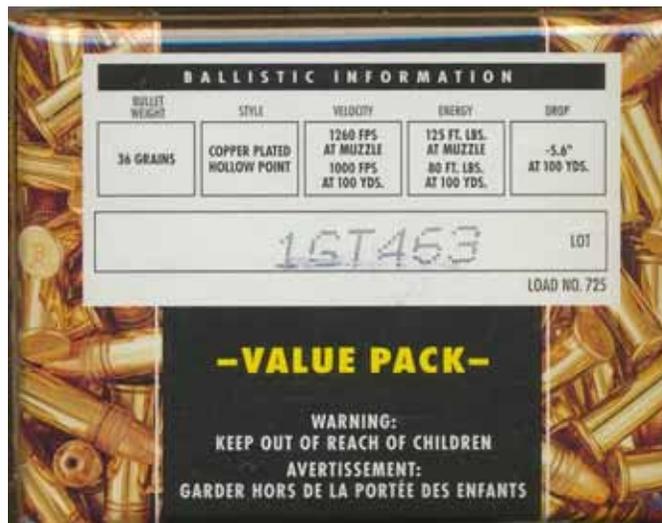
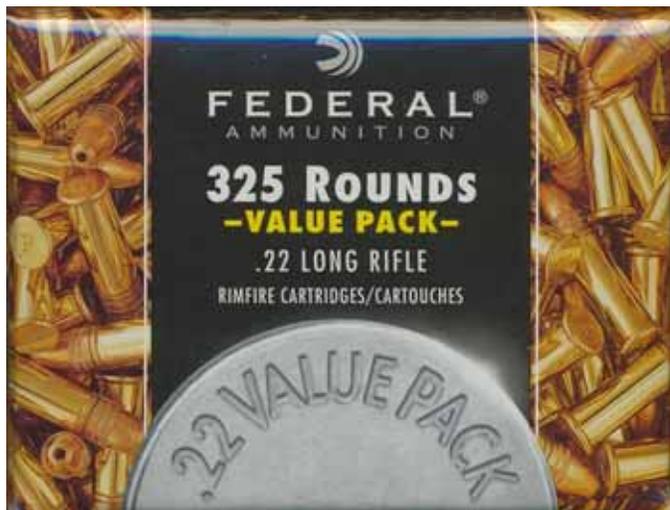
FEDERAL CARTRIDGE Co.

BULK PACK

LR-12



LR-13



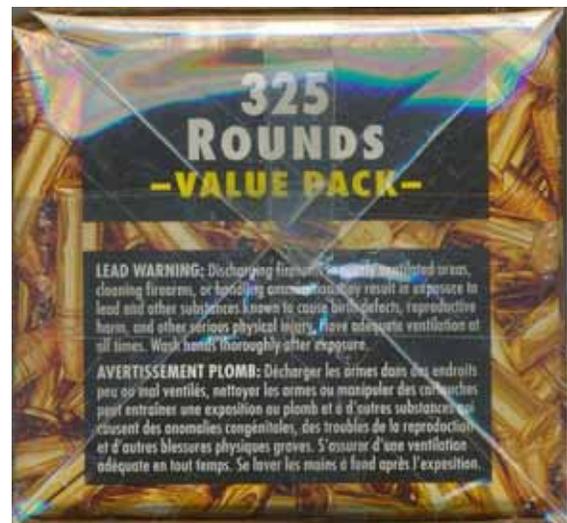
FEDERAL CARTRIDGE Co.

BULK PACK

LR-12 **.22 LONG RIFLE (HIGH VELOCITY). "AUTOMATCH".** Cartridge images and black one-piece box of 325 rds. black and white printing. Load No. AM22. Brass case with "F-8" h/s Lead bullet. (2005)

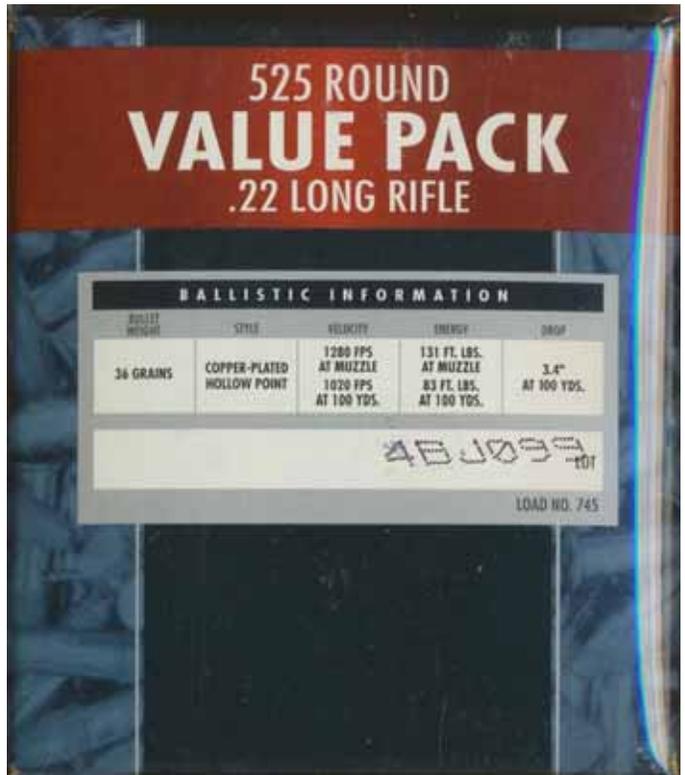


LR-13 **.22 LONG RIFLE (HOLLOW POINT). "VALUE PACK".** Cartridge images and black one-piece box of 325 rds. black and white printing. Load No. 725. Brass case with "F-8" h/s Copper plated HP bullet.. (2011)

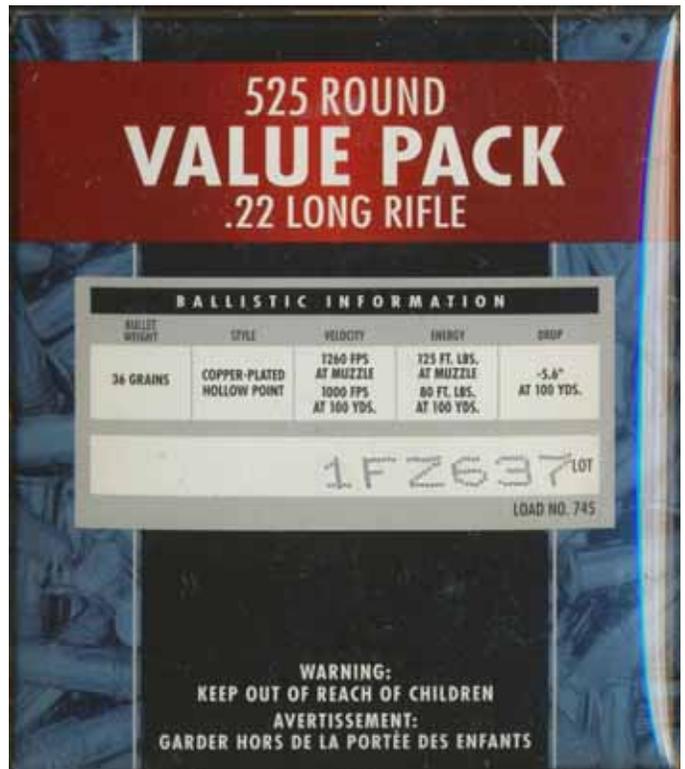
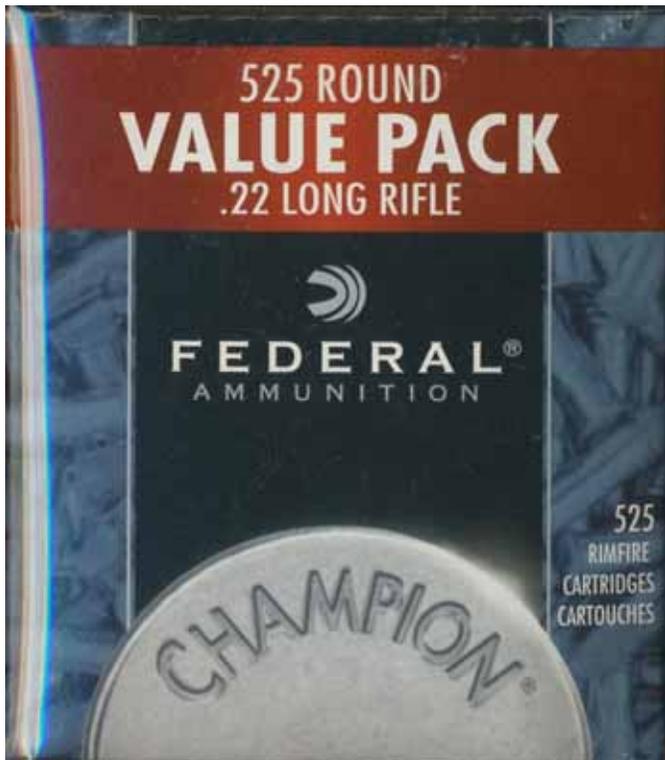


BULK PACK

LR-14



LR-14.5



FEDERAL CARTRIDGE Co.

BULK PACK

LR-14 **.22 LONG RIFLE (HIGH VELOCITY)**. "VALUE PACK". Blue and black one-piece box of 525 rds. black and white printing. Load No. 745. Brass case with "F-8" h/s Copper plated bullet. (2003)



LR-14.5 **.22 LONG RIFLE (HIGH VELOCITY)**. "VALUE PACK". Same as LR-14 but different bottom and side.. (2008)

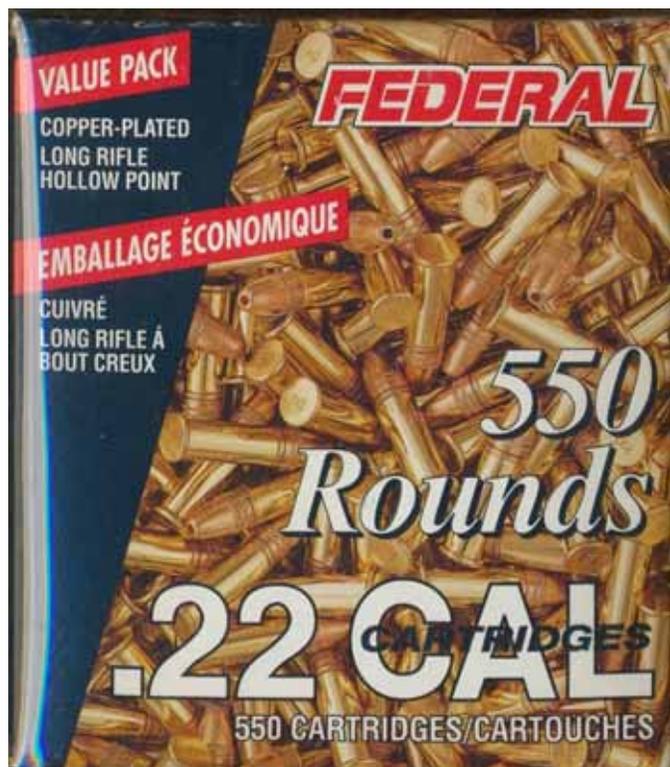


BULK PACK

LR-15



LR-16



FEDERAL CARTRIDGE Co.

BULK PACK

LR-15 **.22 LONG RIFLE (HOLLOW POINT-HIGH VELOCITY)**. "VALUE PACK". Cartridge images and dark blue one-piece box of 600 rds. black and white printing. Load No. 760. Brass case . Copper plated bullet. (2000)

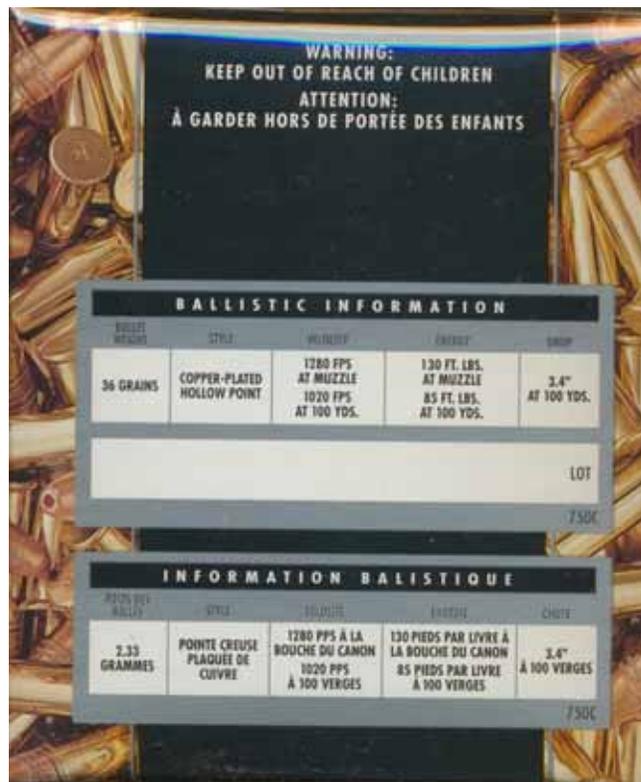
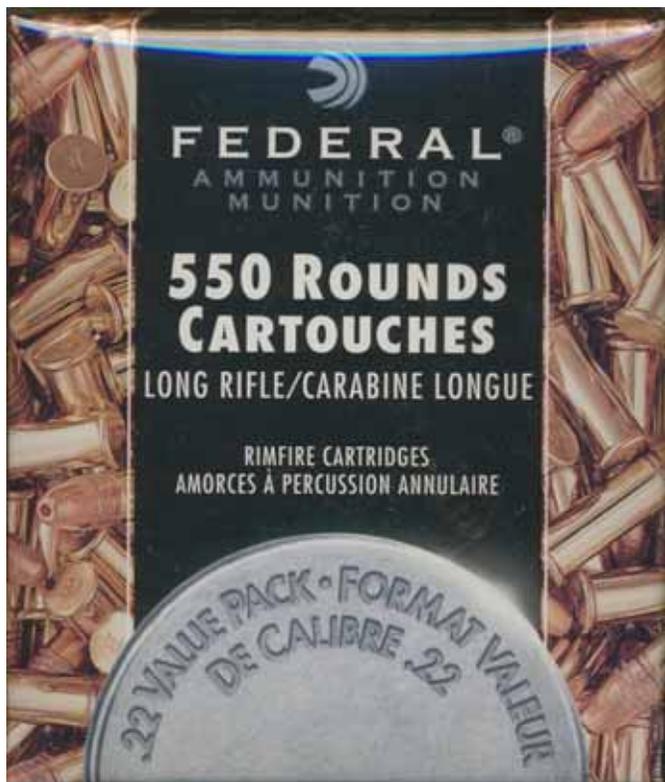


LR-16 **.22 LONG RIFLE (HOLLOW POINT-HIGH VELOCITY)**. "VALUE PACK". Cartridge images and dark blue one-piece box of 550 rds. black and white printing. Load No. 750C. Brass case . Copper plated bullet. (2000)



BULK PACK

LR-17



BULK PACK

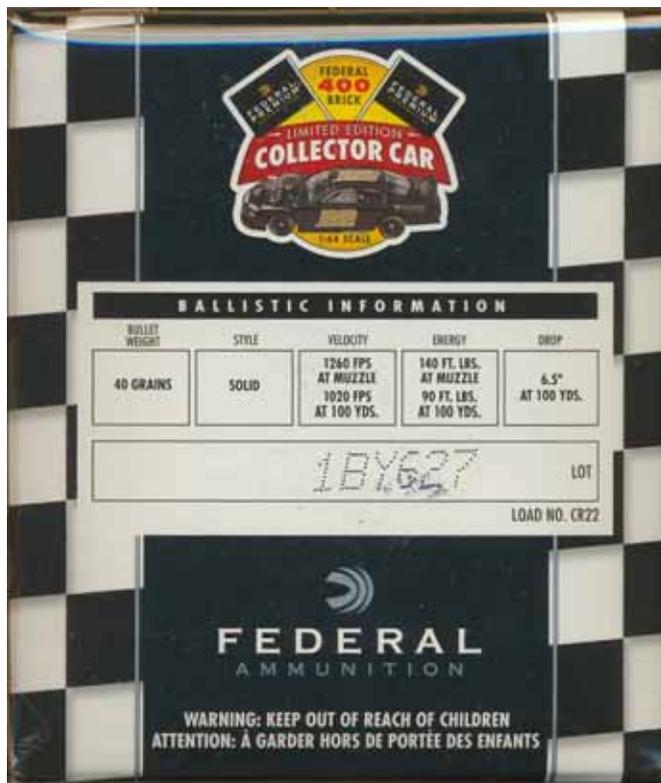
LR-17 **.22 LONG RIFLE (HOLLOW POINT-HIGH VELOCITY), "VALUE PACK"**. Cartridge images and black one-piece box of 550 rds. black and white printing. Load No. 750C. Brass case Copper plated HP bullet.. Bilingual (ENG-FR). Probably produced for export.



FEDERAL CARTRIDGE Co.

BULK PACK

LR-18



FED-71

BULK PACK

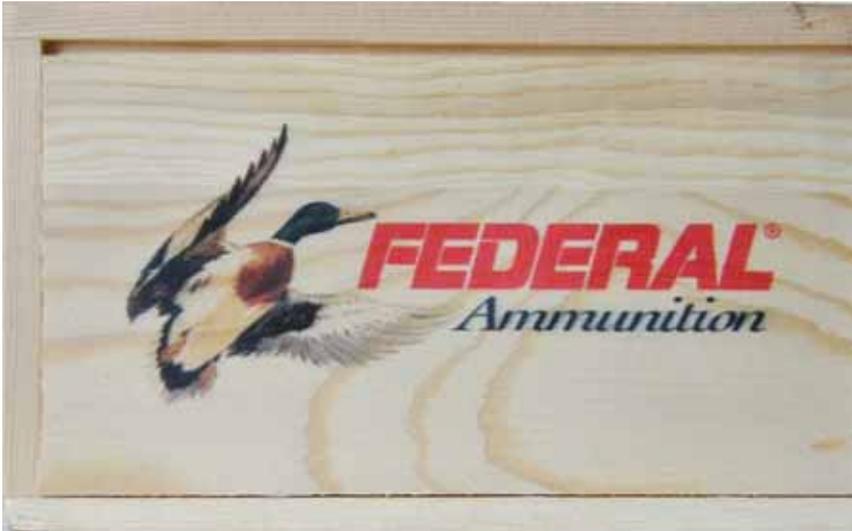
LR-18 **.22 LONG RIFLE (HOLLOW POINT-HIGH VELOCITY)**, "LIMITED EDITION COLLECTOR CAR". Cartridge images and black one-piece box of 400 rds. black and white printing. Load No. CR22. Brass case Copper plated bullet.. (2005)



FEDERAL CARTRIDGE Co.

BULK PACK

LR-19

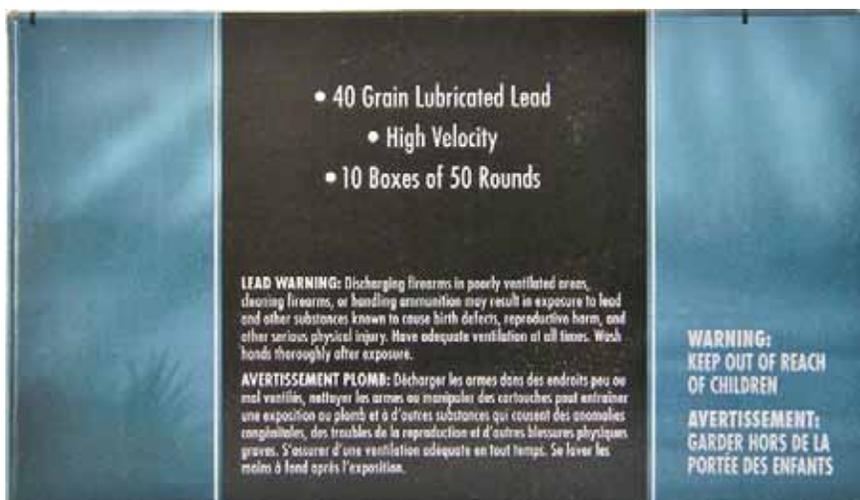
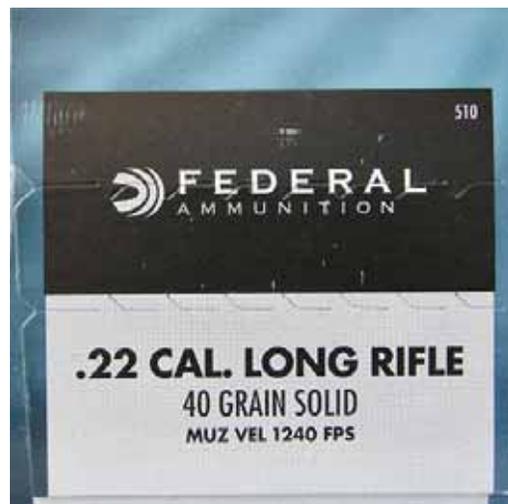
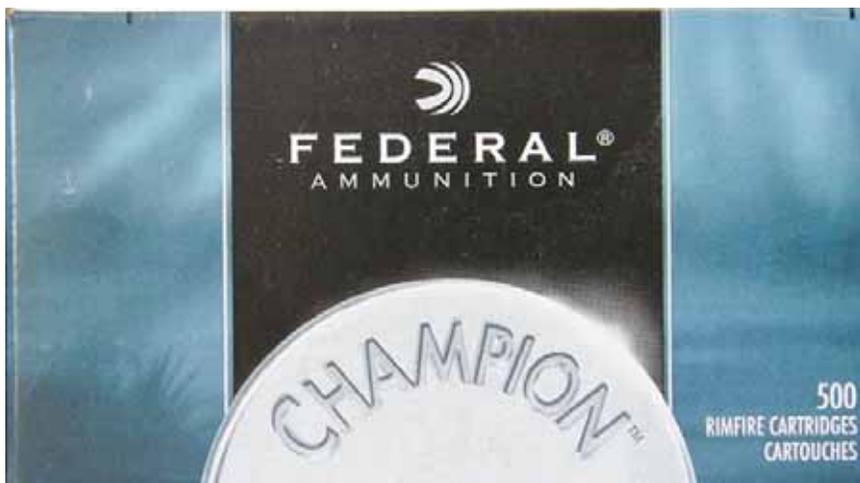


FED-71

FEDERAL CARTRIDGE Co.

BULK PACK

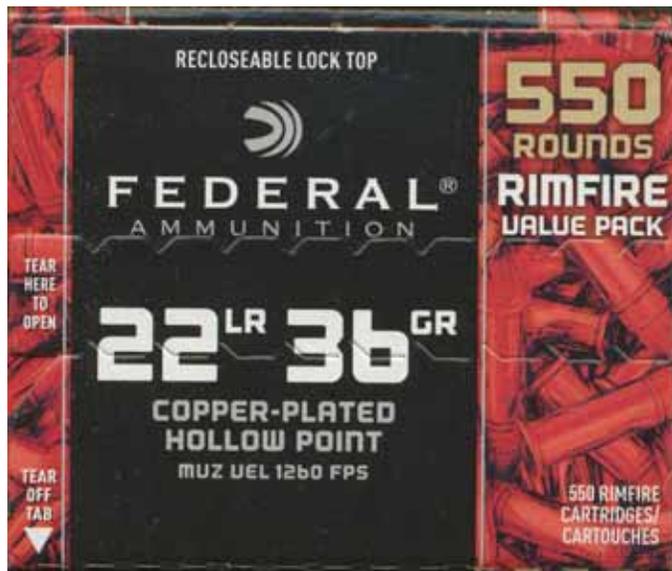
LR-19 **.22 LONG RIFLE (STANDARD VELOCITY)**, "CABELLAS WOOD BOX w/ CHAMPIONS". 50th Anniversary (1961-2011) Cabellas wooden brick box product code 510CAB. Filled with 500 rd. blue and silver brick of FED-24-LR-6, product code 510. "F-8" h/s on brass case. 40 gr. Lead bullet. (2011)



FEDERAL CARTRIDGE Co.

BULK PACK

LR-20



BULK PACK

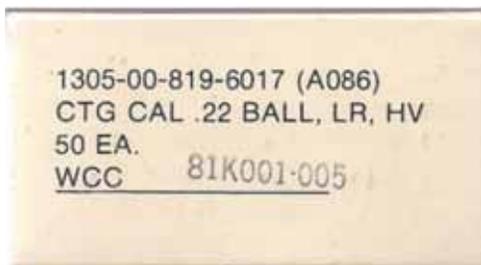
LR-19 22 LONG RIFLE (HOLLOW POINT-HIGH VELOCITY). "VALUE PACK". Cartridge images and black one-piece box of 550 rds. black and white printing. Load No. 760. Brass case . Copper plated bullet.



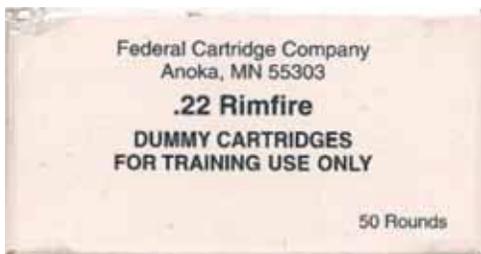
FEDERAL CARTRIDGE Co.

MILITARY and TRAINING

LR-3



LR-4



LEAD WARNING: Discharging firearms in poorly ventilated areas, cleaning firearms, or handling ammunition may result in exposure to lead and other substances known to cause birth defects, reproductive harm, and other serious physical injury. Have adequate ventilation at all times. Wash hands thoroughly after exposure.

LR-5



WARNING: To avoid injury, (1) use only in firearms in good condition marked for .22 long rifle (LR) cartridges; (2) always be sure barrel is free of any obstruction; (3) wear eye and ear protection; (4) if gun fails to fire, avoid exposure to breech when unloading and point muzzle in a safe direction; (5) discharge may occur if rim is struck; handle with caution, do not drop.

LEAD WARNING: Discharging firearms in poorly ventilated areas, cleaning firearms, or handling ammunition may result in exposure to lead and other substances known to cause birth defects, reproductive harm, and other serious physical injury. Have adequate ventilation at all times. Wash hands thoroughly after exposure.

WARNING: KEEP OUT OF REACH OF CHILDREN
Manufactured by
Federal Cartridge Company, Anoka, MN
Made in the USA

FEDERAL CARTRIDGE Co.

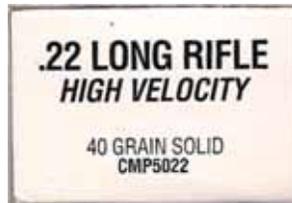
MILITARY and TRAINING

LR-3 **.22 LONG RIFLE (HIGH VELOCITY)**, "MILITARY". White box with black printing. Lead bullet in a brass case with a "F-8" h/s. NOTE: WCC marking on the top. This is from a contract that was issued to Western Cartridge Co., then taken over by Federal in 1981.

LR-4 **.22 LONG RIFLE (DUMMY)**. White box with dark blue printing. States "DUMMY CARTRIDGES FOR TRAINING USE ONLY". Blackened brass case with no h/s. Hole drilled in base. 40 gr. Lead bullet with 3K.. (2004)



LR-5 **.22 LONG RIFLE. (HIGH VELOCITY)** "CIVILIAN MARKSMANSHIP PROGRAM". 50 round box. White one-piece box with black printing. "F-8" h/s on a brass case. 40 gr. Solid bullet. Product code CMP5022. .



LR-6



FEDERAL CARTRIDGE Co.

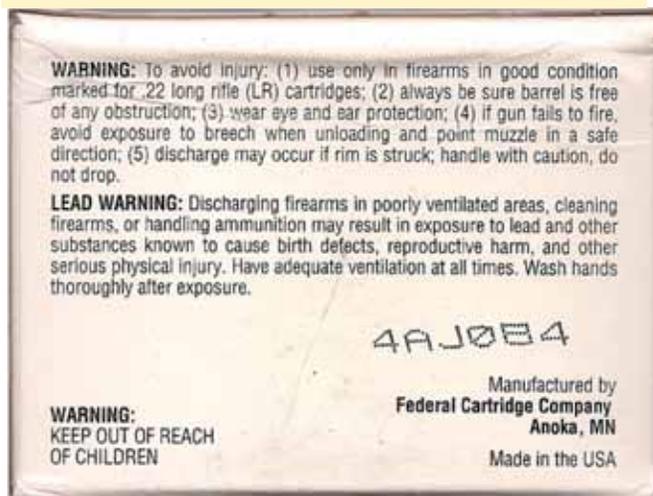
MILITARY and TRAINING

LR-6 .22 LONG RIFLE.(HIGH VELOCITY) "CIVILIAN MARKSMANSHIP PROGRAM". 325 round box. White one-piece box with black printing. "F-8" h/s on a brass case. 40 gr. Solid bullet. Product code CMP325.

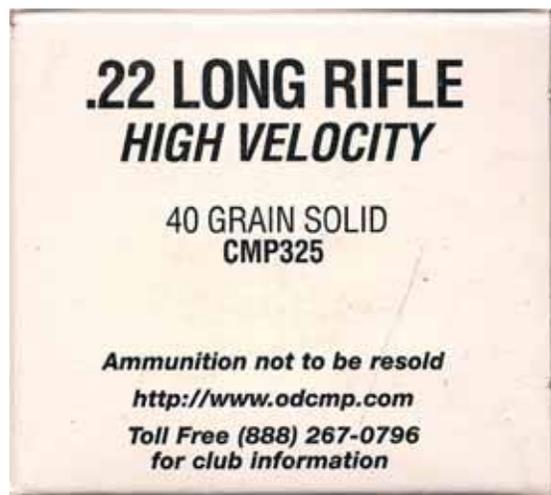
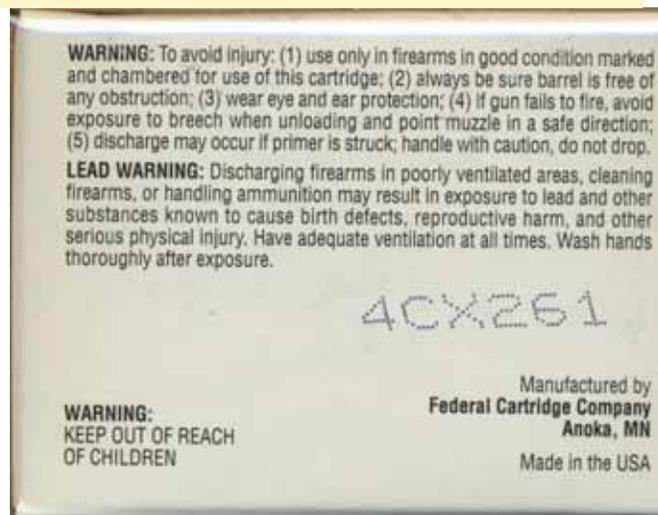
Variations:

- (a) Bottom "A"
- (b) Bottom "B"

Bottom "A"



Bottom "B"



MISC.

LR-1



FEDERAL CARTRIDGE Co.

MISC.

LR-1 .22 LONG RIFLE (HOLLOW POINT). "FRESH FIRE PACK". Blue and black sealed can of 325 rds. black and white printing. Load No. 745.FF Brass case 36 gr. Plated HP bullet.