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



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..

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
F	F	F	F	F
XI-1	XL-2	AL-1	HP-5	F-25
(XI)	(XP)	AL	HP	IL.
		F		
		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 cannelures. 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.

1924 HI-POWER Issues

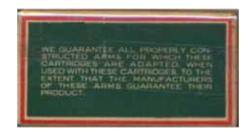
S-1





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.



S-1 <u>.22 SHORT.</u> "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 lK,IS. "A" bottom.



S-2 <u>.22 SHORT.</u> "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 lK,lS. "A" bottom



L-l <u>.22 LONG.</u> "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 <u>.22 LONG.</u> "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 lK,lS.



1924 HI-POWER Issues

LR-1





LR-2



1924 HI-POWER Issues

LR-1 <u>.22 LONG RIFLE.</u> "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,lS. "B" bottom.



LR-2 <u>.22 LONG RIFLE.</u> "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.

1928 "NON-FOULING" Issues

S-1



WE GUARANTEE ALL PROPERLY CONSTRUCTED ARMS FOR WHICH THESE CARTRIDGES ARE ADAPTED. WHEN USED WITH THESE CARTRIDGES, TO THE EXTENT THAT THE MANUFACTURIERS OF THESE ARMS GUARANTEE THESE PRODUCT.

CONTRAINT 9/7/TEXRAL METROZ CIRR

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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 "B" Bottom+







S-1 <u>.22 SHORT</u>. "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 lK,IS. "A" bottom.



S-2 <u>.22 SHORT.</u> "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 lK,lS.



- (a) "A" bottom.
- (b) "A1" bottom
- S-3 <u>.22 SHORT.</u> "SMOKELESS". S-1 box with black "SMOKELESS" over-stamp in black. "F-12" h/s on a copper case. Lead bullet with lK,IS. "A" bottom.



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



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



1928 "NON-FOULING" Issues

L-1





L-2





1928 "NON-FOULING" Issues

- L-1 <u>.22 LONG.</u> "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 lK,IS. Variations noted:
 - (a) "A" bottom.
 - (b) "B" Top hinged end flaps.
 - (c) "B" bottom with bottom hinged flaps.



L-2 <u>.22 LONG.</u> "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 lK,1S. "B" bottom. Top hinged end flaps.



1928 "NON-FOULING" Issues

LR-1



WE GUARANTEE THESE CARTRIDGES TO GIVE SATISFACTORY RESULTS WHEN USED IN ALMS DE STANDARD HARE OUR HISH SPECTION INSURES UNIFORM VELOCITY AND ACCURACY. THESE CARTRIDGES ARE SPECIALLY EFFECTIVE FOR SMALL GAME.

FEDERAL CARTRIDGE CORP., Minimagnolis, Minn. 100 (MINT 1927 FEDERAL CARRAD CORP.)

LR-2



LR-3



LR-3.5



LR-4

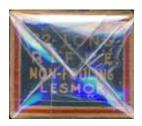






1928 "NON-FOULING" Issues

- LR-1 <u>.22 LONG RIFLE.</u> "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 lK,lS. Variations noted:
 - (a) "A" bottom.
 - (b) "B" bottom.



- LR-2 <u>.22 LONG RIFLE (HOLLOW POINT).</u> "LESMOK". Same as LR-1 except the box top is over-stamped HOLLOW POINT in black ink.
- LR-3 <u>.22 LONG RIFLE.</u> "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 lK,lS.





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



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

1931 "COPPER-COATED" Issues

S-0





S-1





S-2





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 <u>.22 SHORT.</u> "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 <u>.22 SHORT.</u> "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 lK,lS. Black "COPPER COATED" overprint. Variations noted:



- (a) "A" bottom.
- (b) "B" bottom.
- (c) "C" bottom.
- S-2 <u>.22 SHORT.</u> "SMOKELESS". Same as S-1 except now a printed box. No product code. Variations noted:
 - (a) "A" bottom.
 - (b) "B" bottom.
 - (c) "C" bottom.



1931 "COPPER-COATED" Issues

L-1



L-2



1931 "COPPER-COATED" Issues

L-l <u>.22 LONG.</u> "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,IS. Black "COPPER COATED" overprint.



- (a) "A" bottom.
- (b) "B" bottom.
- L-2 <u>.22 LONG.</u> "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.





1931 "COPPER-COATED" Issues

LR-1





LR-2





LR-3



1931 "COPPER-COATED" Issues

- LR-1 <u>.22 LONG RIFLE.</u> "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 <u>.22 LONG RIFLE.</u> "SMOKELESS". Same as LR-l 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 <u>.22 LONG RIFLE.</u> "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.

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 <u>.22 SHORT. (EXPERIMENTAL).</u> "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..



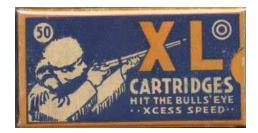


L-1 <u>.22 LONG (EXPERIMENTAL).</u> "XL" HI-POWER. This should be a development loading for the "XL" issues. The 1928 style box has XL HI-POWER stamped in black ink on the top of the box.



1932 "XL XCESS SPEED" Issues

S-2



WARRANTT THESE CARTRIDGES ARE LOADED WITH SPECIAL MAGHINERY OF OUR OWN DESIGN, CAREFULLY ADJUSTED TO PERFORM EACH OPERATION WITH GREAT EXACTNESS. THESE CARTRIDGES HAVE BEEN MADE OF MATERIALS BEST SUITED FOR THE PURPOSE ACCORDING TO OUR LONG MANUFACTURING EXPERIENCE AND THE UTMOST CARE MAS BEEN EXERCISED IN MANUFACTURE TO MEET OUR EXACTING SPECIFICATIONS. THEY SHOULD BE USED ONLY IN PROPERLY CONSTRUCTED ARMS IN GOOD CONDITION. FEDERAL CARTRIDGE CORP., Minogapalia, Mina. COPTRIBINT 1927 PEREAL CARTRIDGE CORP.

S-3



S-4



WARRANTY THESE CARTRIDGES ARE LOADED WITH BRECIAL MACHINERY OF OUR OWN DE. SIGN, CAREFULLY ADJUSTED TO PERFORM EACH OPERATION WITH GREAT ENGINESS. THESE CARTRIDGES HAVE BEEN MADE OF MATERIALS BEST SUITED FOR THE PURPOSE ACCORDING TO OUR LONG MANUFACTURING EXPERIENCE AND THE UTMOST CARE HAS BEEN EXPERIESED IN MANUFACTURE TO MEET OUR EXACTING SPECIFICATIONS. THEY SHOULD SEL USED ONLY IN PROPERLY CONSTRUCTED ARMS IN GOOD CONDITION.
PRESEAL CASTRIBSE CRAP.

BEFOREMER 1817 FRANCES CAMERAGE COM.

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

#2End Flap

#3End Flap

#4 End Flap









- S-2 <u>.22 SHORT. (HIGH VELOCITY).</u> 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 IK,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.



1932 "XL XCESS SPEED" Issues

L-1



WARRANTY THESE CARTRIDGES ARE LOADED WITH SPECIAL MACHINERY OF OUR OWN DESIGN, CARE SPECIAL MACHINERY OF OUR OWN DESIGN, CAREATON WITH ADJUSTED TO PERFORM ACCOMPANION ACCOMPANION ACCOMPANION OF THE UNIVERSE ACCORDING TO OUR LONG MANUFACTURING EXPERIENCE AND THE UTMOST CARE MAS BEEN EXECTING SPECIFICA AND THE UTMOST CARE MAS BEEN EXECTING SPECIFICATIONS. THEY SHOULD BE USED ONLY IN PROPERLY CONSTRUCTED ARMS IN GOOD CONDITION.
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PEREAL CARTRIDGE CREEK.

BENEFICIAL CARTRIDGE CREEK.

L-2



WARRANTY THESE CARTRIDGES ARE LOADEDWITH SPECIAL MACHINERY OF OUR OWN DESIGN, CAREFULY ADJUSTED TO PERFORM EACH OPERATION WITH GREAT EDACTNESS. THESE CARTRIDGES WITH GREAT EDACTNESS. THESE WEST SUITED FOR THE PURPOSE ACCORDING TO OUR LONG MANUFACTURING EXPERIENCE AND THE UTMOST CARE HAS SEEN EXERCISED IN MANUFACTURING TO MEST OUR EXACTING SPECIFICATIONS. THEY SHOULD SEE USED ONLY IN PROPERLY CONSTRUCTED ARMS IN GOOD CONDITION. PRESEAL CASTERISE SEAT.

L-3



1932 "XL XCESS SPEED" Issues

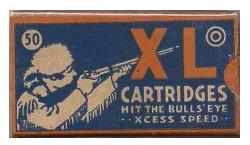
- L-1 <u>.22 LONG (HIGH VELOCITY).</u> Orange and blue box with orange and white printing. One-piece box with end flaps. No product code. "XL-2" h/s on a copper case. Cadmium plated lead bullets with lK,lS. Variations noted:
 - (a) No end flap
 - (b) #2 end flap.



- L-2 <u>.22 LONG (HIGH VELOCITY-HOLLOW POINT).</u> Same as L-l, 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 <u>.22 LONG (HIGH VELOCITY).</u> "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.

1932 "XL XCESS SPEED" Issues

LR-1



WARKANIT THESE CARTRIDGES ARE LOADED WITH SPECIAL MACHINERY OF OUR OWN DESIGN, CAREFULLY ADJUSTED TO PERFORM EACH OPERATION WITH GREAT EXACTNESS. THESE CARTRIDGES HAVE BEEN MADE OF MATERIALS BEST SUFED FOR THE PURPOSE ACCORDING TO OUR JUNE OF THE PURPOSE ACCORDING TO OUR JUNE OF THE PURPOSE ACCORDING TO OUR JUNE OF THE STATE OF THE PURPOSE ACCORDING TO OUR JUNE OF THE STATE OF TH

LR-2



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SINOSAPPILIE PLESSAL CARTRIDGE COSP.

LR-3



WARRANIT THESE CARTRIDGES ARE LOADED WITH SPECIAL MACHINERY OF OUR OWN DESIGN, CAREFULLY ADJUSTED TO PERFORM EACH OPERATION WITH GREAT EXACTNESS. THESE CARTRIDGES HAVE BEEN MADE OF MATERIALS BEST SUITED FOR THE PURPOSE ACCORDING TO OUR LONG MANUFACTURING EXPERIENCE AND THE UTMOST CARE HAS BEEN EXERCISED IN MANUFACTURE TO MEET OUR EXACTING SPECIFICATIONS. THEY SHOULD SE USED ONLY IN PROPERLY CONSTRUCTED ARMS IN GOOD CONDITION. FEDERAL CASTRIDGE COSP.

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LR-4



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1932 "XL XCESS SPEED" Issues

- LR-1 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> 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 1ead 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
 - -l(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 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "GREASED". Same as LR-1 except GREASED added to the top in silver ink. #2 end flap.
- LR-4 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "GREASED". Same as LR-l except GREASED over-stamped on the top.



1932 "XL XCESS SPEED" Issues

WRF-1





WRF-2



SIMULATED IMAGE

SE CARTRIDGES ARE LOADED WITH SPECIAL MACHINERY CAREFULLY ADJUSTED TO PER FORM EACH OPERATION WITH EXACTINESS. THEY MAYE BEEN MADE OF MATERIALS BEST SUITED TO THE PURPOSE AND THE UTMOST CARE HAS BEST SUITED TO THE PURPOSE AND THE UTMOST CARE HAS BEST SUITED TO THE PURPOSE AND THE UTMOST CARE HAS BEST SUITED FOR FURPOSE AND THE MADISTRUCTURE OF THE MOST OF THE SHOULD BE USED ONLY IN PROPERTY CONTRIBUCTION AND SHE GOOD CONDITION. THESE CARTRIDGES ARE ADMITTED TO 22 WITH CHISTIE FROM MODEL REMINISTION SPECIAL STEVENS. COLL. SMITH I WESSON AND OTHER STANDARD AND CHARREST FOR THE CALBER. FEDERAL CARTRIDGE CORP. CONTRICT THE PROPERTY CARTRIDGES CORP.

WRF-3





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-l 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 <u>.22 WIN. RIM FIRE (HIGH VELOCITY).</u> Same as WRF-1 but LUBRICATED overprinted in black ink.



1932 STANDARD VELOCITY Issues

BB-1



S-1



WARRANTY THESE CARTRIDGES ARE LOADED OWN DESIGN, CAREFULLY ADJUSTED TO PERFORM EACH OPERATION WITH SPECIAL MACHINERY OF OUR OPERATION WITH GREAT EXACTINESS. THESE CARTRIDGES HAVE BEEN MADE OF MATERIALS REST SUITED FOR THE PURPOSE ACCORDING TO OUR LONG MANUFACTURING EXPRISES ACCORDING TO OUR LONG MANUFACTURING EXPRISES ACCORDING TO WEST OUR EXACTING SPECIFICAL TOWNS THE Y SHOULD BE USED ON LY IN PROPERLY CONSTRUCTED ARMS IN GOOD CONDITION. FEDERAL CARTRIDGE CORP. Minneapolis, Minn.

S-2



WARRANTY THESE CARTRIDGES ARE LOADED WITH SPECIAL MACHINERY OF OUR OWN DESIGN, CAREFULLY ADJUSTED TO PERFORM EACH NO PREATON WITH GREAT EXACTNESS. THESE CARTRIDGES HAVE SEEN MADE OF MATERIALS REST SUITED FOR THE VIRTURE ACCORDING TO OUR LONG MANUFACTURING EQUIDATE AND THE UTMOST CARE HAS BEEN EXECUTED IN MANUFACTURE TO MEET OUR EXACTING SPECIFICAL TOMS. THEY SHOULD SE USED ON LY IN PROPERLY CONSTRUCTED ARMS IN GOOD CONDITION. FEDERAL CARTRIDGE CORP. Minneapolis, Minn.

S-3



WARRANTY THESE CARTRIDGES ARE LOADED WITH SPECIAL MACHINERY OF OUR OWN DESIGN, CAREFULLY ADJUSTED TO PERFORM EACH OPERATION WITH GREAT EXACTNESS. THESE CARTRIDGES HAVE EEN MADE OF MATERIALS BEST SUITED FOR THE PURPOSE ACCORDING TO OUR LONG MANUFACTURING EXPERIENCE AND THE UTMOST CARE HAS BEEN EXERCISED IN MANUFACTURE TO MEET OUR EXACTING SPECIFICATIONS. THEY SHOULD BE USED ON NY IN PROPELLY CONSTRUCTED ARMS IN GOOD CONDITION. FEDERAL CARTRIDGE CORP. Minneapolis, Minn

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+

WARRANTY THESE CARTRIDGES ARE LOADED WITH SPECIAL MACHINERY OF DUR OWN DESIGN. CAREFULLY ADJUSTED TO FERFORM EACH OPERATION WITH SPECIAL MACHINERY OF DUR OF MATERIALS BEST SUITED FOR THE HAVE EEEN MADE OF MATERIALS BEST SUITED FOR THE PURPOSE ACCORDING TO OUR LONG MANUFACTURING EXPERIENCE AND THE UTMOST CARE HAS BEEN EXERCISED TO MEET OUR EXACTINES SPECIFICATION OF MACHINEST OF MET OUR EXACTINES SPECIFICATION OF MET OUR EXACTINES OF MET OUR EXACT

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



1932 STANDARD VELOCITY Issues

L-1



WARRANTY THESE CARTRIDGES ARE LOADED WITH SPECIAL MACHINERY OF OUR WITH SPECIAL MACHINERY OF OUR COMMITTED TO PERFORM EACH OPERATION WITH GREAT EXACTNESS: THESE CARTRIDGES HAVE EEEN MADE OF MATERIALS BEST SUITED FOR THE PURPOSE ACCORDING TO OUR LONG MANUFACTURING EXPERIENCE AND THE UTMOST CARE HAS BEEN EXERCISED IN MANUFACTURE TO MEET OUR EXACTING SPECIFICATIONS. THEY SHOULD BE USED ON LY IN PROPERLY CONSTRUCTED ARMS IN GOOD CONDITION.

FEDERAL CARTRIDGE CORP.

Minneapolis, Minn.

L-2



WARRANTY THESE CARTRIDGES ARE LOADED WITH SPECIAL MACHINERY OF OUR OWN DESIGN, CAREFULLY ADJUSTED TO PERFORM EACH HAVE BEEN MADE OF MATERIALS BEST SUITED FOR THE PURPOSE ACCORDING TO OUR LONG MANUSACTURING EXPERIENCE AND THE UTMOST CARE HAS BEEN EXERCISED IN MANUFACTURE TO MEET OUR EXACTING SPECIFICATIONS. THEY SHOULD BE USED ON LY IN PROPERLY CONSTRUCTED ARMS IN GOOD CONDITION.

FEDERAL CARTRIDGE CORP.

Minneapolis, Minn.

L-3



WARRANTY THESE CARTRIDGES ARE LOADED WITH SPECIAL MACHINERY OF OUR OWN DESIGN, CAREFULLY ADJUSTED TO PERFORM EACH OPERATION WITH GREAT EXACTNESS. THESE CARTRIDGES HAVE EEEN MADE OF MATERIALS BEST SUITED FOR THE PURPOSE ACCORDING TO OUR LONG MANUFACTURING EXPERIENCE AND THE UTMOST CARE HAS BEEN EXECCISED IN MANUFACTURE TO MEET OUR EXACTING SPECIFICATIONS. THEY SHOULD BE USED ON LY IN PROPERLY CONSTRUCTED ARMS IN GOOD CONDITION.

FEDERAL CARTRIDGE CORP.

Minneapolis, Minn.

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 <u>.22 LONG.</u> "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 <u>.22 LONG.</u> "NON-CORROSIVE COPPER COATED". Same as L-1 except the top now states COPPER COATED.

1932 STANDARD VELOCITY Issues

LR-1



WARRANTY THESE CARTRIDGES ARE LOADED WITH SPECIAL MACHINERY OF OUR OWN DESIGN, CAREFULLY ADJUSTED TO PERFORM EACH OPERATION WITH GREAT EXACTNESS. THESE CARTRIDGES HAVE SEEN MADE OF MATERIALS BEST SUITED FOR THE PURPOSE ACCORDING TO OUR LONG MANUFACTURING EVPERIENCE AND THE UTMOST CARE HAS BEEN EXERCISED IN MANUFACTURE TO MEET OUR EXACTING SPECIFICATIONS. THEY SHOULD BE USED ON LY IN PROPERLY CONSTRUCTED ARMS IN, GOOD GONDITION.

FEDERAL CARTRIDGE CORP.

Minneapolis, Minn.

LR-2



WARRANTY THESE CARTRIDGES ARE LOADED OWN DESIGN, CAREFULLY ADJUSTED TO PERFORM EACH OPERATION WITH GREAT EXACTIVESS. THESE CARTRIDGES HAVE SEEN MADE OF MATERIALS BEST SUITED FOR THE PURPOSE ACCORDING TO OUR LONG MANUFACTURENG EXPERIENCE AND THE UTMOST CARE HAS BEEN EXERCISED IN: MANUFACTURE TO MEET OUR EXACTING SPECIFICATIONS. THEY SHOULD BE USED ONLY IN PROPERLY CONSTRUCTED ARMS IN GOOD CONDITION.

FEDERAL CARTRIDGE CORP.

Minneapolis, Minn.

LR-3



WARRANTY THESE CARTRIDGES ARE LOADED WITH SPECIAL MACHINERY OF OUR OWN DESIGN, CAREFULLY ADJUSTED TO PERFORM EACH OPERATION WITH GREAT EXACTNESS. THESE CARTRIDGES HAVE SEEN MADE OF MATERIALS BEST SUITED FOR THE PURPOSE ACCORDING TO OUR LONG MANUFACTURING EXPERIENCE AND THE UTMOST CARE HAS BEEN EXERCISED IN MANUFACTURE TO MEET OUR EXACTING SPECIFICATIONS. THEY SHOULD BE USED ON LY IN PROPERLY CONSTRUCTED ARMS IN GOOD GONDITION.

FEDERAL CARTRIDGE CORP.

Minneapolis, Minn.

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 <u>.22 LONG RIFLE.</u> "NON-CORROSIVE SMOKELESS". Same as LR-l except the powder type is called out on top of the box. The no longer states greased.

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

1932 STANDARD VELOCITY Issues

WRF-1



SIMULATED IMAGE

WRF-2



WRF-3



SIMULATED IMAGE

WARRANTY THESE CARTRIDGES ARE LOADED WITH SPECIAL POINT EACH OPERATION WITH EXACTINESS. THEY HAVE REEN HADE OF MATERIALS REST SUITED TO THE PURPOSE AND THE UTMOST CARE HAS BEEN EXERCISED IN THE MANUFACTURE OF THEM TO MEET OUR EXACTING SPECIFICATIONS. THEY SHOULD BE USED ONLY. IN PROPERTY CONSTRUCTED ARMS IN GOOD CONDITION. THESE CARTRIDGES ARE ADAPTED TO .22 WINDOWN THE STANDARD ARMS CHAMBERED FOR THIS CALIBER. FEDERAL CARTRIDGE CORP.

WARRANTY THESE CARTRIDGES ARE LOADED WITH SPECIAL FORM EACH OPERATION WITH EXACTINESS. THEY HAVE REEN HADE OF MATERIALS REST SUITED TO THE PURPOSE AND THE UTMOST CARE HAS BEEN EXERCISED IN THE MANUFACTURE OF THEM TO MEET OUR EXACTING SPECIFICATIONS. THEY SHOULD BE USED ONLY IN PROPERTY CONSTRUCTED ARMS IN GOOD CONDITION. THESE CARTRIDGES ARE ADAPTED TO 22 WINLCHESTER, 1890 MODEL, REMINISTION SPECIAL, STEVENS, COLT, SMITH & WESSON AND OTHER STANDARD ARMS CHAMBERED FOR THIS CALIBER. FEDERAL CARTRIDGE CORP. Minneapolis, Minn.

WARRANTY THESE CARTRIDGES ARE LOADED WITH SPECIAL FORM EACH OPERATION WITH EXACTINESS. THEY HAVE BEEN MADE OF MATERIALS BEST SUITED TO THE PURPOSE AND THE UTMOST CARE HAS BEEN EXERCISED IN THE MANUFACTURE OF THEM TO MEET OUR EXACTING SPECIFICATIONS. THEY SHOULD BE USED ONLY IN PROPERTY CONSTRUCTED ARMS IN GOOD CONDITION. THESE CARTRIDGES ARE ADAPTED TO 12 WINGCHESTER, 1890 MODEL, REMINISTON SPECIAL, STEVENS, COLT, SHOTH A WESSON AND OTHER STANDARD ARMS CHAMBERED FOR THIS CALIBER. FEDERAL CARTRIDGE CORP. Minneapolis, Minn.

1932 STANDARD VELOCITY Issues

Note: The following WRF offering 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.

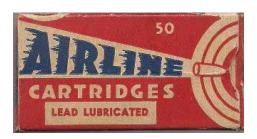
WRF-2 <u>.22 WIN. RIMFIRE.</u> "NON-CORROSIVE COPPER COATED". Same as WRF-1 except the top now states COPPER COATED.



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

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.





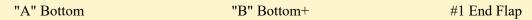
From the 1942 Federal dealer price list.

1937 "AIRLINE" Issues

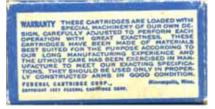
In 1937 Federal introduced the most advanced .22 rimfire cartridge development of the 1930's and perhaps for all times. The "Airline" issues featured a smooth bullet without grease grooves or knurls. The idea behind this was to reduce drag or friction as the bullet passed thru the air on the way to the 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



WARRANTY THESE CARTRIDGES ARE LOADED WITH SPECIAL MACHINERY OF OUR OWN DE-BROW. CAREFULLY ADJUSTED TO PERFORM EACH GERKATION WITH GRACK EXACTIVES. THESE CAREFULLY AND THE SPECIAL COURSE OF THE SPECI





S-1 <u>.22 SHORT (STANDARD VELOCITY).</u> "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.



1937 "AIRLINE" Issues

S-2



S-3



S-4



S-5



- S-2 <u>.22 SHORT (STANDARD VELOCITY).</u> "COPPER COATED". Same as S-1 except top is now marked COPPER COATED. "B" bottom. No end flap warning.
- S-3 <u>.22 SHORT (STANDARD VELOCITY).</u> "GREASED BULLET". Same as S-1 except top is now marked GREASED BULLET. "B" bottom. No end flap warning.
- S-4 <u>.22 SHORT (HIGH VELOCITY).</u> "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.

1937 "AIRLINE" Issues

S-6



S-7



WARRANTY THESE CARTBIDGES ARE LOADED WITH SPECIAL MACHINERY OF OUR OWN DESIGN, CAREFULLY ADJUSTED TO PERFORM EACH OPERATION WITH GREAT EXACTNESS. THESE CARTBIDGES MAY BEEN MADE OF MATERIALS BEEY SUITED FOR THE PURPOSE ACCORDING TO OUR LONG MANUFACTURING EXPERIENCE AND THE UTMOST CAME HAS BEEN EXERCISED IN MANUFACTURE TO MEET OUR EXACTING SPECIFICATIONS. THEY SHOULD SEE USED ONLY IN PROPERTY CONSTRUCTED ARMS IN GOOD CONDITION. FEDERAL CARTBIDGE CORP., MIRRAPORTS, MIRRA, COPYRIGHT 1927 FEDERAL CARTBIDGE CORP.

S-8



WARRANTY THESE CARTRIDGES ARE LOADED WITH SPECIAL MACHINERY OF OUR OWN DE-BIGN, CAREFULLY ADJUSTED TO PERFORM EACH OPERATION WITH GREAT EXACTNESS. THESE CARTRIDGES MAYE BEEN MADE OF MATERIALS BEEN SUITED FOR THE PURPOSE ACCORDING TO OUR LONG MANUFACTURING EXPERIENCE AND THE UTMOST CARE HAS BEEN EXERCISED IN MANUFACTURE. TO MEET OUR EXACTING SPECIFICATIONS. THEY SHOULD BE USED ONLY IN PROPERLY CONSTRUCTED ARMS IN GOOD CONDITION. FEDERAL CASTRIBGE COSE,

S-9



- S-6 <u>.22 SHORT (HIGH VELOCITY-HOLLOW POINT).</u> "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 <u>.22 SHORT (HIGH VELOCITY).</u> "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:



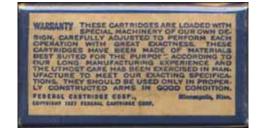
- (a) "A" bottom.
- (b) "B" Bottom.
- S-8 <u>.22 SHORT (HIGH VELOCITY).</u> This box has no callout for bullet finish. This is probably a printing error. #1 end flap warning. "B" bottom.
- S-9 <u>.22 SHORT.</u> "LEAD LUBRICATED". S-2 box with COPPER COATED blacked out on top and ends and LEAD LUBRICATED over-stamped on top.



1937 "AIRLINE" Issues

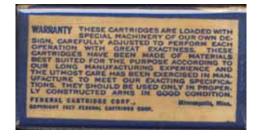
S-10





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



1937 "AIRLINE" Issues

L-1



WARRANTY THESE CARTRIDGES ARE LOADED WITH SPECIAL MACHINERY OF OUR OWN DESIGN, CAREFULLY ACQUISTED TO PERFORM EACH OPERATION WITH GREAT EXACTNESS. THESE CARTRIDGES MAVE BEEN MADE OF NATERIALS BEST SUITED FOR THE PURPOSE ACCORDING TO OUR LONG MANUFACTURING EXPERIENCE AND THE UTMOST CARE HAS BEEN EXCRESSED IN MANUFACTURINE TO MEST OUR EXCRESSED IN MANUFACTURINE TO MEST OUR EXCRESSED IN MANUFACTURINE THEY SHOULD BE USED ONLY INTROPERTURY ONSTRUCTED ARMS IN GOOD CONDITION.

L-2



L-3



L-4



WARRANTY THESE CARTRIDGES ARE LOADED WITH EPIGLAL MACHIELTY OF OUR DWIN OF SIGH, CAREFULLY ADJUSTED TO PERFORM EACH OPERATION WITH GREAT EXACTIVESS. THESE CANTRIDGES HAVE BEEN MADE OF MATERIALS BEST SUITED FOR THE PURPOSE ACCORDING TO OUR LONG MANUFACTURING EXPERIENCE AND THE UTMOST CARE HAS BEEN EXERCISED IN MANUFACTURE TO MEET OUR EXACTING SPECIFICATIONS. THEY SHOULD BE USED ONLY IN MORPHIS. LY CONSTRUCTED AIMS IN GOOD CONDITION, FEESTAL CARTINGS CORP.

1937 "AIRLINE" Issues

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



- L-2 <u>.22 LONG (STANDARD VELOCITY).</u> "COPPER COATED". Same as L-1 except for the change in bullet finish callout on the top of the box.
- L-3 <u>.22 LONG (STANDARD VELOCITY).</u> "GREASED BULLET". Same as L -1 except for the change in the bullet finish callout on top of the box.
- L-4 <u>.22 LONG (HIGH VELOCITY).</u> "XCESS SPEED CADMIUM PLATED". Blue and white box with red, white and blue printing. One-piece box with end flaps. No product code. "AL-l" h/s on a brass case. Cadmium plated lead bullet with no cannelures. "B" bottom.



1937 "AIRLINE" Issues

L-5



L-6



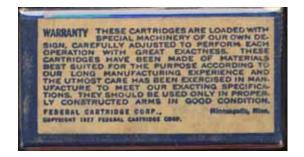
WARRANTY THESE CARTRIDGES ARE LOADED WITH SHORN, CARE SPECIAL MACHDISHY OF OUR OWN DESIGN, CARE SPECIAL MACHDISHY OF OUR OWN DESIGN OF THE SHORN SHOR

L-7



L-8





- 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 <u>.22 LONG (HIGH VELOCITY).</u> "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 <u>.22 LONG (HIGH VELOCITY).</u> "XCESS SPEED LEAD LUBRICATED". Same as L-l except red and white box. "B" bottom. This box is probably a factory error.
- L-8 <u>.22 LONG (HIGH VELOCITY-HOLLOW POINT).</u> "LEAD LUBRICATED HOLLOW POINT". Same as L-l except for the hollow point wording on the top and ends. Variations noted:
 - (a) "A" bottom.
 - (b) "B bottom.



1937 "AIRLINE" Issues

L-9



L-10



WARRANTY THESE CARTRIDGES ARE LOADED WITH SPECIAL MACHINERY OF OUR OWN DESIGN, CAREFULLY ADJUSTED TO PERFORM EACH OPERATION WITH GREAT EXACTINESS. THESE CARTRIDGES HAVE GEEN MADE OF MATERIALS BEST SUITED FOR THE PURPOSE ACCOMDING TO OUR LONG MANUFACTURING EXPENSIONS TO MANUFACTURE TO MEST OUR EXACTING SPECIFICATIONS. THEY SHOULD BE USED ONLY IN PROPERLY CONSTRUCTED ARMS IN GOOD CONDITION, FEBRAL CARTISES CORP. FEBRAL CARTISES COST. FRINTENT INS FEBRAL CARTISES CORP.

L-11





1937 "AIRLINE" Issues

- L-9 <u>.22 LONG (HIGH VELOCITY).</u> 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 <u>.22 LONG (HIGH VELOCITY-</u>"LEAD LUBRICATED HOLLOW POINT". Same as L-1 1 except the over-stamp states XCESS SPEED, Lead Lubricated.



LR-1





LR-2





LR-3



LR-4



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 <u>.22 LONG RIFLE (STANDARD VELOCITY).</u> "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.

LR-5



LR-6



LR-7



LR-8





- 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. #l 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.



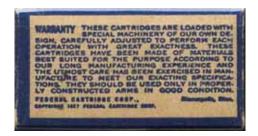
LR-9





LR-10





LR-11





LR-12





1937 "AIRLINE" Issues

LR-9 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "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 lK cannelure. 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





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.



LR-12.5



WARRANTY THESE CANTRIDGES ARE LOADED WITH SPECIAL MACHINERY OF GUR OWN DESIGN, CAREFULLY ADJUSTED TO PERFORM EACH OPERATION WITH GREAT EXACTINESS. THESE CARTRIDGES HAVE BEEN MADE OF MATERIALS BEST EUTED PICE THE PURPOSE CARD DONG TO GUR LONG MANUFACTURING EXPERIENCE AND THE UTMOST CARE HAS BEEN EXERGISED IN MANUFACTURIE TO MEST OUR EXACTING SPECIFICATIONS. THEY SHOULD BE USED GIVEN IN PROPERLY CONSTRUCTED ARMS IN GOOD CONDITION. PERSON TO THE PURPOSE CARE.

LR-13





LR-13.5





1937 "AIRLINE" Issues

LR-12.5 <u>.22 LONG RIFLE (STANDARD VELOCITY)</u>. "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 <u>.22 LONG RIFLE (HIGH VELOCITY-HOLLOW POINT)</u>. "LEAD LUBRICATED". Similar to LR-13.5 but actual printing in descripetion box with standard fonts.



1941 "BULLSEYE" Issues

S-1



WARRANTY THESE CARTRIDGES ARE LOADER OWN DESIGN, CATH'S PECIAL MACHINERY OF OUR EACH OFFERATION WITH GREAT EXACTRICES. THESE CARTRIDGES MAYE BEEN MADE OF MATERIALS HERY SUITED FOR THE PURPOSE ACCORDING TO OUR LONG MANUFACTURING EXPERIENCE AND THE UTHOST CARE HAS BEEN EXERCISED IN MANUFACTURE TO REST GUR EXACTING SPECIFICATIONS. THEY SHOULD BE USED ONLY IN PROPRET OF THEY SHOULD SE USED ONLY IN PROPRET, CONTRIBUTED ARRS IN GOOD COMDITION. FEDERAL CARTRIDGE CORP., ELPHANDOLIS, MICH. COPYANGHT 1937 FEDERAL CARTRIDGE GORP,

S-2



WARRANTY THESE CARTRIDGES ARE LOADED OWN DESIGN, CAREFULLY ADJUSTED TO PERFORM EACH OFFERATION WITH BREAT EXACTINESS. THESE CARTIBLES HAVE BEEN MADE OF MATERIALS REST EUITED FOR THE PURPOSE ACCORDING TO OUR LONG MANUFACTURING EXPERIENCE AND THE UTMOST CARE HAS BEEN EXERCISED IN MANUFACTURING EXPERIENCE AND THE TOWN FACTURE TO MEET OUR EXACTING SPECIFICATIONS. THEY SHOULD BE USED ONLY IN PROPERLY CONSTRUCTED ARMS IN GOOD CONDUTION. FEBREAL CARTRIDGE CORP., BIOMASSOIR, MIREL COPYRIGHT 1927 FEDERAL CARTRIDGE CORP.

S-3



WARRANTY THESE CARTRIDGES ARE LOADER OWN DESIGN, CAREFULLY ADJUSTED TO PERFORM EACH OPERATION WITH SPECIAL MACHINERY OF OUT CARTRIDGES AND EER MADE OF MATER'LS REST SUITED FOR THE PURPOSE ACCORDIN'T OUR LONG MANUFACTURING EXPERIENCE AND THE UTMOST CARE HAS BEEN EXERCISED IN MANUFACTURE TO MEET OUR EXECUTING SPECIFICATIONS, THEY SHOULD BE USED ONLY IN PROPERTY CONSTRUCTED ARMS IN GOOD COMDITION, FEDERAL CARTRIDGE CORP., Mineagolis, Miss. COPYRIGHT 1827 FEDERAL CARTRIDGE CORP.

S-4



WARRANTY THERE CARTRIDGES ARE LOADED OWN DESIGN, CARRESTLLY ADJUSTED TO PERFORM EXAMINATION OF THE PROBATION WITH CHEAT EXACTINESS, THESE CARREST SHIPED FOR THE PURPOSE ACCORDING TO OUT LOND MANUPACTURING EXPERIENCE, AND THE UNITED TO MERT OUR EXACTING SPECIFICAL TOWN, THEY SHOULD BE USED BULLY IN PROPERTY CONSTRUCTED ARMS IN GOOD COMPITTION, FIDERAL CARTRIDGE CORP., Minimalific, Minimalific,

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 eases. No load numbers were used.

End Flap "A"

End Flap "B"





- S-1 <u>.22 SHORT (HIGH VELOCITY).</u> "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 <u>.22 SHORT (DUMMY).</u> 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 <u>.22 SHORT (HOLLOW POINT).</u> "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 <u>.22 SHORT (STANDARD VELOCITY).</u> "MONARK LEAD LUBRICATED". Red and white box with white and blue printing. "HP-5" h/s. No end nap markings.





1941 "BULLSEYE" Issues

L-1



WARRANTY THESE CARTRIDGES ARE LOADED WARRANTY WITH SPECIAL MACHINERY OF OUR COMM DESIGN, CAREFULLY ADJUSTED TO PERPOSM EACH OPERATION WITH GREAT EXACTHESS, THESE CARTRIDGES MAYE SEEM MADE OF MATERIALS REST SUITED FOR THE PURPOSE ACCORDING TO OUR LONG MAMPIFACTURING EXPERIENCE AND THE UTMOST CARE HAS BEEN EXERCISED IN MANUFACTURE TO MEET OUR EXACTING SPECIFICATIONS, THEY SHOULD BE USED ONLY IN PROPERLY CONSTRUCTED ARMS IN GOOD CONSTITUENT FEDERAL CARTRIDGE CORP.

L-2



WARRANTY THESE CARTRIDGED ARE LOADED WARRANTY WITH SPECIAL MACHINERY OF OUR OWN DESIGN, CREEFULLY ADJUSTED TO PERFORM EACH OFFEATION WITH GREAT EXACTINESS. THESE CARTRIDGES HAVE SEEN MADE OF MATERIALS REST BUTTED FOR THE PURPOSE ACCORDING TO OUR LONG MANUFACTURING EXPERIENCE AND THE UTWOST GARE HAD BEEN SKRECHED IN MANUFACTURE TO REST OFFE EXACTURE TO REST. THE SHOULD BE USED ONLY IN PROPERTY CONSTRUCTED AREAS IN GOOD CONDITION. FIRST CONTROLL OF FEDERAL CARTRIDGE CORP.

L-3



WARRANTY THESE CARTRIDGES ARE LOADED ON DESIGN, CAREFULLY ADJUSTED TO PERSONS CARTRIDGES ARE LOADED COME DESIGN, CAREFULLY ADJUSTED TO PERSONS CARTRIDGES MAYE BEEN MADE OF MATTERIALS BEST SUITED FOR THE PURPOSE ACCORDING TO OUR LONG MANUFACTURING ERPERIENCE AND THE LYMONY CARE MAS BEEN RECEIVED IN MANUFACTURE TO MEET OUR EXACTING SPECIFICATIONS. THEY SHOULD BE USED CALLY IN PROPERLY CONSTRUCTED ARMS IN GOOD CONDITION, FEDERAL CARTRIDGE CORP.

1941 "BULLSEYE" Issues

- L-1 <u>.22 LONG (HIGH VELOCITY).</u> "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 <u>.22 LONG (HOLLOW POINT).</u> "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 <u>.22 LONG (STANDARD VELOCITY).</u> "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.



1941 "BULLSEYE" Issues

LR-1



WARRANTY THESE CARTRIDGES ARE LOADED OWN DESIGN, CAREFULLY AGUISTED TO PERFORM EACH OPERATION WITH GREAT EXACTNESS, THESE CARTRIDGES HAVE BEEN MADE OF MATERIALS BEST SUITED FOR THE FURFOSE ACCORDING TO DUR LONG MANUFACTURING EXPERIENCE AND THE LYMOST CARE HAS BEEN EXERCISED IN MANUFACTURE TO MEET OUR EXACTING SPECIFICATIONS. THEY SHOULD BE USED ONLY IN PROPERLY CONSTRUCTED ARMS IN GOOD CONDITION. FOR PEDERAL CARTRIDGE CORP.

LR-2



WARRANTY THESE CARTRIDGES ARE LOADED OWN DESIGN, CAREFULLY ADJUNTED TO PERFORM EACH OPERATION WITH GREAT EXACTINESS. THESE CARTRIDGES HAVE BEEN MADE OF MATERIALS HEST SUITED FOR THE PURPOSE ACCORDING TO OUR LONG MANUFACTURING EXPERIENCE AND THE UTMOST CARE HAS BEEN EXECUTED IN MANUFACTURE TO MEET OUR EXACTING PROFIT TIONS, THEY SHOULD SE USED ONLY IN FROPERLY CONSTRUCTED ARMS IN GOOD CONDITION, THEY SHOULD SE USED ONLY IN FROPERLY CONSTRUCTED ARMS IN GOOD CONDITION FEDERAL CARTRIDGE CORP. BIORESOIR, MIRE COPYRIGHT 1927 FEDERAL CARTRIDGE CORP.

LR-3



WARRANTY THESE CARTRIDGES ARE LOADED OWN DESIGN, WITH SPECIAL MACHINERY OF OUR COMM DESIGN, CHEST CARTRIDGES ARE LOADED EACH OPERATION WITH CHEAT EXACTNESS. THESE CARTRIDGES HAVE BEEN MADE OF MATTERIALS BEST SHITED FOR THE PURPOSE ACCORDING TO OUR LONG MANUFACTURING EXACTNESS IN MANUFACTURING THE PURPOSE AND THE UTWARDS CARE HAS BEEN EXACTNESS IN MANUFACTURING THAT SHOULD BE USED CHILT IN PROPERTY OF THE WARD OF THE USED CHILT IN PROPERTY OF THE WARD OF THE USED CHILT IN PROPERTY OF THE WARD OF THE USED CHILTING, THE CONTRIGUES OF THE WARDS OF T

1941 "BULLSEYE" Issues

- LR-1 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "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 <u>.22 LONG RIFLE. (HOLLOW POINT).</u> "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"



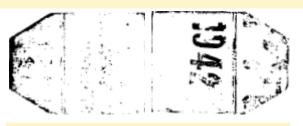
End Flap "D"



End Flap "E"



End Flap "F"



1942 "impressed" into left flaps

1950 "BULLSEYE" ® Issues

S-1



S-1,5



S-2



S-3



L-1





WARRANTY THESE CANTRIBGES ARE LOADED OWN DESIGN, CAREFULLY ADJUSTED TO PEBFORM EACH OPERATION WITH OBEAT EXACTRESS. THESE CANTRIBGES HAVE BEEN MADE OF MATERIALS REST SUITED FOR THE PURPOSE ACCORDING TO OUR LONG MANUFACTURING EXPERIENCE AND THE UTMOST CARE HAS BEEN EXERCISED IN MANUFACTURE TO MEET GUR EXACTING SPECIFICATIONS. THEY SHOULD BE USED ONLY IN PROPARED ON THE CONSTRUCTED ARMS IN GOOD CONDITION. FEDERAL CANTRIBGE CORP.

MADE IN U.S.A.

MADE IN U.S.A.

1950 "BULLSEYE" ® Issues

In 1950, the box style of 1941 issues were updated to show a R 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 <u>.22 SHORT (HIGH VELOCITY).</u> "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 <u>.22 SHORT (HIGH VELOCITY).</u> "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 <u>.22 SHORT (HOLLOW POINT).</u> "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 <u>.22 SHORT (STANDARD VELOCITY).</u> "MONARK". Red and white box with white and blue printing. Load No. 702. "F-8" h/s. "B" bottom



- L-1 <u>.22 LONG (HIGH VELOCITY).</u> "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.



1950 "BULLSEYE" ® Issues

LR-1



LR-2



WARRANTY THESE CARTRIDGES ARE LOADED OWN DESIGN, CAREFULLY ADJUSTED TO PERFORM EACH OPERATION WITH GREAT EXACTNESS. THESE CARTRIDGES HAVE BEEN MADE OF MATERIALS BEST SUITED FOR THE PURPOSE ACCORDING TO OUR LOAD MANDACTURING EXPERIENCE AND THE UTMOST CARE HAS BEEN EXPERIENCE AND THE UTMOST CARE TO MEET OUR EXACTING SPECIFICATIONS. THEY SHOULD BE USED ONLY IN PROPERTY CONSTRUCTED ARMS IN GOOD COMBITION. FEDERAL CARTRIDGE CORP.

LR-3



LR-4



WARRANTY THESE CARTRIDGES ARE LOADED OWN DESIGN, CAREFULLY ADJUSTED TO PERFORM EACH OPERATION WITH GREAT EXACTINESS. TYPESE CARTRIDGES HAVE REEN MADE OF MATERIALS HEST SUITED FOR THE PURPOSE ACCORDING TO OUR LOAD MANUFACTURING EXPERIENCE AND THE UTMOST CARE HAS BEEN EXECUSED IN MANUFACTURE TO MEET OUR EXACTING SPECIFICATIONS. THEY SHOULD BE USED ONLY IN PROPERLY CONSTRUCTED ARMS IN GOOD CONDITION. FEDERAL CARTRIDGE CORP., Minnespella, Minn. COPYRIGHT 1927 FEDERAL CARTRIDGE CORP.

1950 "BULLSEYE" ® Issues

- LR-1 <u>.22 LONG RIFLE. (HIGH VELOCITY).</u> "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 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "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 <u>.22 LONG RIFLE (HOLLOW POINT).</u> "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 <u>.22 LONG RIFLE. (STANDARD VELOCITY).</u> "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"



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

S-1



S-2



S-3



S-4



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 <u>.22 SHORT (HIGH VELOCITY).</u> "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 <u>.22 SHORT (HOLLOW POINT).</u> "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 <u>.22 SHORT (STANDARD VELOCITY).</u> "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 <u>.22 SHORT (LOW VELOCITY).</u> "MONARK". Same as S-3(a) "SPECIAL LOW VELOCITY" over -printed on top. Produced for the Advanced Marksmanship Training Unit at Fort Benning GA.

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

L-1



LR-1



LR-2



LR-3



WARRANTY THESE CARTRIDGES ARE LOADED

WARRANTY THESE CARTRIDGES ARE LOADED

OWN DESIGN, CAREFULLY ABJUSTED TO PERFORM

EACH OPERATION WITH GREAT KRACTHESS. THESE
CARTRIDGES HAVE SEEN MADE OF MATERIALS

BEST SUITED FOR THE PURPOSE ACCORDING TO

OUR LONG MANUFACTURING EXPERIENCE AND THE

UTMOST CARE HAS BEEN EXERCISES IN MANUFACTURE TO MEET OUR EXACTING SPECIFICATIONS, THEY ENOULD BE USED ONLY IN PEOEMAY CONSTRUCTED ARMS IN GOOD COMPITION,
FEDERAL CARTRIDGE CORP., MINISCOLIS, MIRE.

COPTRIGHT 1927 FEDERAL CARTRIDGE CORP.

MADE IN U.S.A.

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

- L-1 <u>.22 LONG (HIGH VELOCITY).</u> "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 <u>.22 LONG RIFLE. (HIGH VELOCITY).</u> "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 <u>.22 LONG RIFLE (HOLLOW POINT).</u> "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 <u>.22 LONG RIFLE (STANDARD VELOCITY).</u> "MONARK". Red and white box with white and blue printing. Load No. 711. Variations noted:
 - (a) "A" warning.
 - (b) "B" warning.

Late 1962 "BULLSEYE" Issues CHILD WARNING Printed on Top

S-1



S-2



S-3



S-4



L-1



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

COPPER PLATED, WAX LUBRICATED BULLETS Non-Corrotive Priming
We warrant the exercise of reasonable care in manufacture, but make no other warranty, expressed or implied.

DEFEBRAL CARTRIDGE COPPORATION
Minneapolis, Minneapla, U.S.A.

Use FEDERAL HI-POWER 22's for hunting smell game, posts, or pinking. These cartridges have higher velocity and greater knack down power. Because they develop greater chamber pressures, use them only in qualify fearnes to good conditions, designated by the manufacturer as suitable for such ammunition.

COPPER PLATED, WAX LUBRICATED BULLETS Non-Corrosive Primming.

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

DEDERAL CARTRIDGE CORPORATION Minneapolis, Minneapolis, Minneapol. U.S.A.

MAGE IN U.S.A.

FEDERAL MONARK Standard Velocity 22's are made especially for accurate target shooting. Use them only in guns in good condition.

LEAD LUBRICATED BULLETS

NON-CORROSIVE PRIMING

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

OFEDERAL CARTRIDGE CORPORATION Minneapolis, Minneapols, U.S.A.

FEDERAL MONARK Standard Velocity 22's are made especially for accurate target shooting. Use them only in guns in good condition.

LEAD LUBRICATED BULLETS

NON-CORROSIVE PRIMING

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

OFEDERAL CARTRIDGE CORPORATION Minneapolis, Minneapols, U.S.A.

Use FEDERAL HI-POWERES's for hunting small game, peats, or pinking. These cartridges have higher velocity and greater knock from power. Because they develop greater chamber peesures, use them only in quality fearners in gond conditions, designated by the manufacturer as suitable for such annumities.

COPPER PLATED, WAX LUBRICATED BULLETS

Non-Corrosive Priming
We warrant the exercise of reasonable cere in manufacture, but make no other namely, expressed as implied.

DEFOERAL CARTRIDGE CORPORATION
Minneapolis, Minneapta, U.S.A.

MADE IN U.S.A.

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



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



Late 1962 "BULLSEYE" Issues CHILD WARNING Printed on Top

LR-1



Use FEDERAL HI-POWER 22's for hunting small game, pests, or girking. These cartridges have histher velocity and greater knock down power. Because they develop greater chamber pressures, use them only in qualify fearms in good condition, designated by the menufacturer as suitable for such ammunities.

COPPER PLATED, WAX LUBRICATED BULLETS

Non-Corrosive Priming
We warrant the exercise of reasonable cere in manufacture, but make no other warranty, operased or implied.

DEFERAL CARTRIDGE CORPORATION

Minnespolis, Minnespola, U.S.A.

MADE IN U.S.A.

LR-2



Use FEDERAL HI-POWER 25's for hunting small game, peats, or ginking. These cartridges have higher velocity and greater knack down power. Because they develop greater chamber pressures, use them only in quality fearms in good condition, designated by the manufacturer as outside for such ammunities.

COPPER PLATED, WAX LUBRICATED BULLETS

Non-Corrosive Priming

We warraid the exercise of reasonable cure in manufacture, but make no other warranty, expressed or emplied.

OFEDERAL CARTRIDGE COMPORATION

Minnespolis, Minnespola, U.S.A.

MAGE 18 U.S.A.

LR-3



Use FEDERAL HI-POWER 25's for hunting small game, pests, or girking. These cartridges have higher velocity and greater knock down power. Because they downlop greater chamber pressured, use them only in injustify finerams in good condition, designated by the manufacturer as suitable for such armounities.

COPPER PLATED, WAX LUBRICATED BULLETS

Non-Corrosive Priming

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

DEFORAL CARTRIDGE CORPORATION

Minneapolis, Minneapola, U.S.A.

LR-4



FEDERAL MONARK Standard Velocity 22's are made especially for accurate target shooting. Use them only in guns in good condition.

LEAD LUBRICATED BULLETS
NON-CORROSIVE PRIMING
We warrant the exercise of reasonable care in manufacture, but make no other warranty, expressed or implied.

OFEDERAL CARTRIDGE CORPORATION Minneapolis, Minnesota, U.S.A.

Late 1962 "BULLSEYE" Issues CHILD WARNING Printed on Top

- LR-1 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "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 <u>.22 LONG RIFLE (HOLLOW POINT).</u> "HI-POWER". Same as LR-1(b) except for HOLLOW POINT wording. Load No. 712.



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



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 goly in guns in first class condition, recommended by the manufacturer for use with this type of amenuantion.

We guarante resonable care in the manufacture of this ammunition, but assume so 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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Late 1962 "BULLSEYE" Issues CHILD WARNING Printed on Top

- LR-5 <u>.22 LONG RIFLE (SHOT).</u> "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.



1967-1972 Issues

S-1



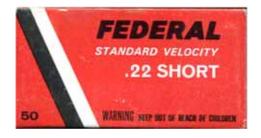




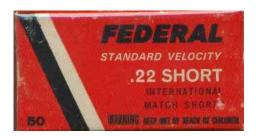
S-2



S-3



S-4



S-5



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 <u>.22 SHORT (HIGH VELOCITY).</u> Load No. 701. Copper plated ballet. Variations noted:
 - (a) "B" bottom. Plastic tray.
 - (b) "C" bottom. Plastic tray.



- S-2 <u>.22 SHORT (HOLLOW POINT).</u> Load No. 703. Copper plated bullet. Variations noted:
 - (a) "B" bottom. Plastic tray.



- S-3 <u>.22 SHORT (STANDARD VELOCITY).</u> Load No. 702. Lead bullet. Variations noted:
 - (a) "D" bottom. Cardboard tray.
 - (b) "D" bottom. Plastic tray.

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NON-CORROSIVE PRIMING
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OFEDERAL CARTRIDGE CORPORATION



- S-4 <u>.22 SHORT (STANDARD VELOCITY).</u> "INTERNATIONAL MATCH SHORTS". Same as S-3 except with a over-print on top.
- .22 SHORT
 FEDERAL
 STANDARD VELOCITY
- S-5 <u>.22 SHORT (HIGH VELOCITY).</u> "S.A.A.M.I. REFERENCE CARTRIDGES" Load No. 701. Copper plated bullet. "B" bottom. Cardboard. tray. Over-stamped on the bottom.





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1967-1972 Issues

L-1



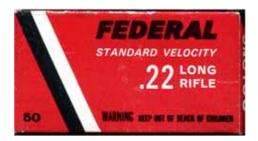
LR-1



LR-2



LR=3



LR-4













1967-1972 Issues

- L-1 <u>.22 LONG (HIGH VELOCITY).</u> 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.

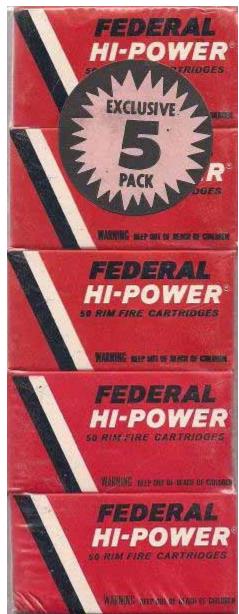


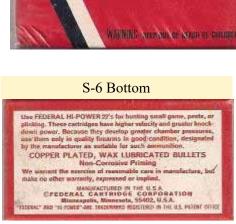
- LR-4 <u>.22 LONG RIFLE (SHOT).</u> Load No. 716. Variations noted:
 - (a) Plastic tray.
 - (b) Cardboard tray.

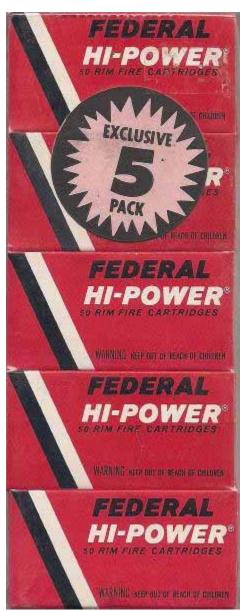


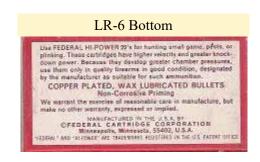
1967-1972 Issues 5-PACKS

S-6 LR-6









1967-1972 Issues 5-PACKS

- S-6 <u>.22 SHORT (HIGH VELOCITY).</u> "HI-POWER". Same as S-1 but in a five-pack.
- LR-6 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "HI-POWER". Same as LR-1 but in a five-pack.

S-1 Ends

22 SHORT	.22 SHORT	.22 SHORT	.22 SHORT	.22 SHORT
FEDERAL	FEDERAL	FEDERAL	FEDERAL	FEDERAL
HI-POWER	HI-POWER	HI-POWER	HI-POWER	HI-POWER

LR-1 Ends

22 LONG	22 LONG	29 LONG	29LONG	.22 LONG
		.∠∠ RIFLE	.CC BILL	C. C. FIFTE
REDERAL	FEDERAL	FEDERAL	FEDERAL	FEDERAL
HI-POWER	KI-POWER	HI-POWER	MI-POWER	HI-POWER

1973-1991 Issues (Bottoms)

"A" Bottom

Maximum Velocity — None Faster Accorate, hard-hitting long range 27's for busting small some or informal target practice. These carbridges have higher vesselity and power than standard speed 27's. Because they develop greater chamber pressures, use them only in modern firearms in good condition, designed for such amountlied. Non-Corrosive Priming We warrant the exercise of reasonable care in manufacture, but make no other warranty, expressed or implied. MADL IN U.S.A. 87 FEDI-RAL CARTRIDGE CORP. Minanappoins, Mn 55-022 Tarbout 3 "No Press" are trademake registered in the U.S. Pat. DR.

"C" Bottom

WARRING: To avoid possible seroom injury (1) use anly in proceely functioning firearms in good condition, nurtable for modern 22 Ling Balle Catthidges (2) keep barred fire of any distribution. If your fails to fire, a mechanically delayed firing may occur or gas may fire an opening, causing periods injury. Keep gan possible in a safe direction. Wall 30 shoods. Carefully unload, avaiding exposure to breech.
Week procent hearing protection—reported exposure to generate the arrival cycle from fixing particles.

Week procent hearing protection—reported exposure to generate yes from fixing particles.

PROMOTORROSIVE PRIMING

**FEDERAL CARTHIDGE CORP. Minneapolis. Mrs 55402

Federal A Thi Proces** are trademarks regulated in the ULI Fut diff.

"E" Bottom

WARNING: To avoid passible serious injury (1) use only in properly hypothening freezes in seed canotines, suitable for models. 22 Long Cartriages (2) keep thereof free of any obstruction. If you fails to fire, a mechanically disayed frieng may occur or you may fire on opening, causing sections injury. Neep pair posted in a sale direction, wait 20 seconds. Carefully unlimit, sweding supposes to become, carefully unlimit, sweding supposes to become fully an experience, were shoulding classes to protect yes from flying particles.

NON-CORROSIVE PRIMING

ADMINISTRATIOGE CO., Minneapoits, MN 55402

Talman 4 78-50-m or todomaks registered u.15. Fat Ot.

"G" Bottom

WARRING: To avaid possible amisos injury (1) are only in properly hynchioning firearms in good condition, suitable for modern 22 long hills Castridges 271 keep burred free of any inharustion. If gun faits in fire, a mechanically delayed firing may occur or gun may free on opening, causing across injury. Rose gun peofied in a safe direction, wait 30 seconds. Carefully subsuid, sending opposure in breach.

West proper bearing probetium—repeated exposure in genter of a damage hearing. Wast scheding slasses in protect eyes from firing particles.

NON-CORROSIVE PRIMING

MADE IN USA BY
FEDERAL CARTRIDGE CO., Minneapolis, MN 55402
Faces A 18-Proce are balanceaus inguised in the USA BY

"I" Bottom

WEARING: To ovaid opuny (1) was amy in treatment in good condition microid No. 222 ong (L.) cartridges; (2) aways his lart have the late of any obsolution; (3) was aperticular. (4) if you have to be a sound exposure to breach when semadoig and paint resume in a sub-develope.

AVERTISSEMENT: Prov. Evelor have incidents; (1) althoug semperated have be at more to fee or bear attractable as called the 22 mg (L.) (2) accords your bequire to see a more to red pos obstitute; (3) portion as any post-order your last years; (4) of lambs in his part has the fee young exposure particularly any protection poor lest years; (4) of lambs in his particular any conditions are protected by the capture are widen to have a fee for any observed on the feet pooling to capture date over the capture sets of the selections.

Makes on U.S.A. by:

FEDERAL CARTITIOGE CO, Andrea, MN 55303

Trickers, A. 74-Power, are trademarks registered in the U.S. Put. Off.

"B" Bottom

Maximum Velocity — None Faster These cartridges have higher velocity and power than standard speed 22's. Because they develop greater chambel pressures, use them only in modern financian in good condition, designed for such animunition. Non-Corrost's Priming We warrant the exercise of reasonable care in manufacture, but make no other warranty, expressed or implied. MADE (IN U.S.A. BY FEDERAL CARTRIDGE CORP. Minneapolis, Mrs. \$5402 Fished & Ni Fewer or tradepolis registered in the U.S. Far. Ct.

"D" Bottom

WARNING: To avoid possible serious injury (1) use unly in properly functioning freezems in good candidine, autable for modern 22 Lang Rifle Cartridges (2) keep barrel free of any obstruction. If you false to fire, a mechanically delayed firing may occur or gen may lire on opening, causing serious enjury. Keep gue pointed in a fale direction. Wall 30 seconds. Carefally unload, seeding exposure in breach. Wear proper hearing prediction—(expelled exposure to general free can damage hearing. Wear shooting glasses to protest eyes from flying particles.

RON-CORROSIVE PRIMING

**PEDERAL CARTRIDGE CORP. Minneapoils, Min 55402*

Federal A "H-Pawer" are trademarks registered in the II.5. Pat. OR.

"F" Bottom

WARNING To avoid possible scrious rijary (1) use only in properly functioning finantms in good condition, suitable for modern 22 Short Catholiges (2) keep barrel free of any obstraction. If gen fails to fire, a mechanically delayed firing may arous or gen may fire an opening, causing serious injury. Keep gus pointed in a safe direction. Wall 30 seconds. Carefully unload, avoiding exposure to hrench.

West primate heating protection—respected exposure be gunling can damage heating. West shooting glasses to protect eyes from figure particles.

AADE IN U.S.A. IN COMPOSIVE PRIMING

FEDERAL CARTRIDGE CO. Minneapolis, MN 55402

Tederal & Terbour are rademaks registed in the U.S. Pul. Off.

"H" Bottom

WARNING: To avoid possible serious injury (1) use only in property functioning finearms in good condition, suitable to madern 22 Long Rithe Cartridges (2) keep barrel free of any obstruction. If gon fails to fee, a mechanically delayed friend stay occur or gut may fee on appealing, causing serious injury. Here gan pointed in a safe direction, wait 30 accounts. Carefully unload, avoiding exposure in herech.

Was proper hearing suiteleston—topiside represent to general first can damage learning. Was shooting gistress to protect eyes from firing particles.

NON-CORNOSIVE PRIMING

PECERAL CANTRIDGE COMPANY, Arioka, Microsoota 55303

Federal S. Th. Power are trademarks replaced in the U.S. Pail ON

"J" Bottom

MATHINE: To avoid many (11) use only in freezins in pood condoor insured by 22 tong (1) cartridges; (2) elevant be sure barrel in line of any controlled. (3) what aye preferched (4) if you hash to fire, avoid exposure to breach when unloading and point matter in a set direction.

ARTHITISSEMENT: Price helder tous incidents; (1) utilizes unsystement dans des armes a tes on bon star margines au carbine 22 bong (1); (2) stavers volus tesquere que le carbon in veil apar attente; (3) point aure prefection pour les years; (4) or farrers ne fair base fine, he vince represent pour les years; (4) or farrers ne fair base fine, he vince represent pour les years; (4) or farrers ne fair base fine, he vince represent pour les years; (4) or farrers ne fair base fine, he vince represent dans une direction séquenties:

Manyfactured in the U.S.A. by

PEDERAL CANTRODE CORPANY

Anolas, MN 55305, U.S.A.

Federal 'S. Yi-Puere' are statemarks registered in the U.S. Pat. Off.

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

WARNING. To anvicing or y | 1] use only in treatmen in good condition marked by 27 long rifle (I/I) cartridges. (2) always be sure borner is fine of any obstruction. (3) wear eye protection. (4) of purit bits to the, assist sections to breach when untaiding and point motive in a suite direction. ARTHISSIMENT Prior institut ton explore (1) offices an exposment dams and armee is fin an tion stat mangales so caller 27 long rifle (1,0). (3) assured sees to legislate on expose passed in 15 prior to the gratection provides, year, (4) of armeen to be passed on the composition of provides on the year. (4) of armeen to be passed on the composition of the surface of a pulsate or violant to find of pointer to assen dam, one deviction solutions. NON COPPOSITION TRANSING. WHERE IN U.S.A. UV **FEDERAL CANTIFORE CO., Anoisa, MN 55303 U.S.A. **Violation** 6 194-Process** one brackmarks registered in the U.S. Pac CR.

"M" Bottom



"O" Bottom



"Q" Bottom

WARNING. To avoid possible serious injury (1) use only in properly functioning finearms in good condition, solitable for modern 22 Long Rife Carringon (3) were barrel free of any obstruction. Figur falls to lone, a mechanically delayed funing may occur or got may life or opening, causing serious yours, Keep gur pointed to a safe direction. Wall 20 seconds. Carefully unload, solitaing expansive to heach. Wear properly serious for expensive to gurniller a.m. darings profection—regeated expansive for professional for the profession of the

"L" Bottom



"N" Bottom



"P" Bottom



"U" Bottom



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

1973-1991 Issues (Short)

S-1







S-2



S-3



S-4













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 <u>.22 SHORT (HIGH VELOCITY).</u> "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) "0" bottom.
- (b) "P" bottom.





NOTE: W/BC =With Bar Code.

1973-1991 Issues (CB Long)

CBL-1





CBL-2





1973-1991 Issues (CB Long)

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



CBL-2 <u>.22 CB LONG (REDUCED VELOCITY).</u> "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



1973-1991 Issues (Long)

L-1





L-2





1973-1991 Issues (Long)

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



- L-2 <u>.22 LONG (MAXIMUM VELOCITY).</u> "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.



1973-1991 Issues (Long Rifle)

LR-1



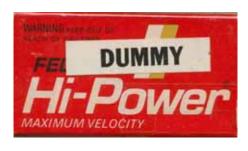


LR-2



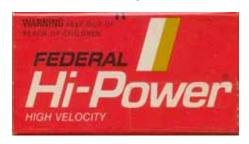


LR-2.1





LR-3





1973-1991 Issues (Long Rifle)

LR-1 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "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 <u>.22 LONG RIFLE (DUMMY-MAXIMUM VELOCITY).</u> "HI-POWER". LR-2 box with "DUMMY" over-label. "C" bottom.



LR-3 <u>.22 LONG RIFLE (HOLLOW POINT, HIGH VELOCITY).</u> "HI-POWER ".

Load No. 712. Top 11. Variations noted:

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



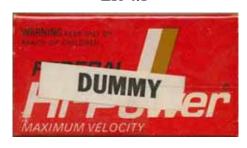
1973-1991 Issues (Long Rifle)

LR-4





LR-4.1





LR-5





LR-6





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.



"HI-POWER". LR-4 Box with DUMMY over-label. "C" bottom. (solid bullet in a hollow point box)



Hi-Powei

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



LR-6 <u>.22 LONG RIFLE (STANDARD VELOCITY).</u> "CHAMPION". Load No. 711.

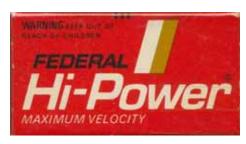
Variations noted:

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



1973-1991 Issues (Bird Shot)

LR-7





LR-8





LR-9





1973-1991 Issues (Bird Shot)

LR-7 <u>.22 LONG RIFLE (BIRD SHOT-MAXIMUM VELOCITY).</u> "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 <u>.22 LONG RIFLE (BIRD SHOT-MAXIMUM VELOCITY).</u> "HI-POWER-".

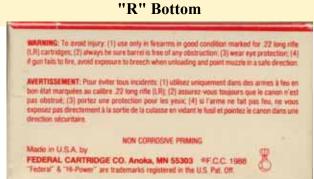
Over-sized box. Load No. 716. Variations noted:

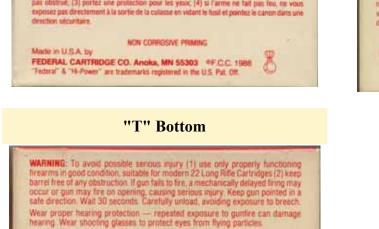
- (a) "R" bottom. W/BC.
- (b) "S" bottom. W/BC.
- (c) "T" bottom. W/BC.



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

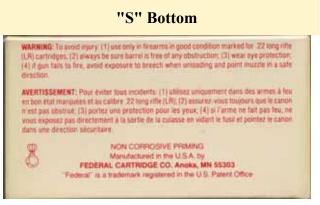






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1973-1991 Issues (Bird Shot)

LR-10





1973-1991 Issues (Bird Shot)

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





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

LR-1





LR-1.2





LR-1.4





LR-1.6





LR-2

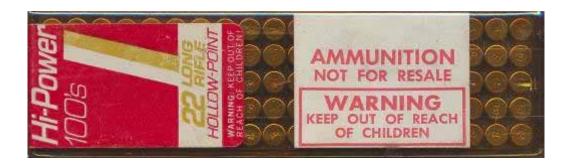




1972 100 Rd. PLASTIC PACK "HI-POWER" Issues

- LR-1 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "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 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "HI-POWER". LR-1 box with white over-label on top label stating SIZZLER. CAT No 810 on "C" bottom.
- LR-1.4 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "HI-POWER". LR-1 box with white over-label on top label stating SPITFIRE. CAT No 810 on "C" bottom.
- LR-1.6 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "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





1972 100 Rd. PLASTIC PACK "CHAMPION" Issues

LR-3





LR-4



LR-5





LR-6



LR-7



1972 100 Rd. PLASTIC PACK "CHAMPION" Issues

- LR-3 <u>.22 LONG RIFLE (STANDARD VELOCITY).</u> "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 <u>.22 LONG RIFLE (STANDARD VELOCITY).</u> "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 <u>.22 LONG RIFLE.</u> "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.



1982 100 Rd. PLASTIC PACK Issues

A-Bottom

B-Bottom





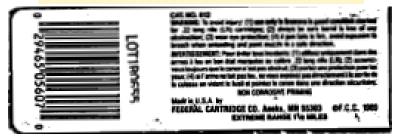
C-Bottom



D-Bottom



E-Bottom (No 812)



E-2-Bottom (No. 810)



1982 100 Rd. PLASTIC PACK Issues

F-Bottom



G-Bottom

H-Bottom





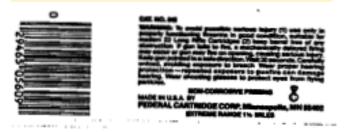
I-Bottom



J-Bottom



K-Bottom



L-Bottom



M-Bottom



O-Bottom



1982 100 Rd. PLASTIC PACK Issues

LR-1





LR-2





LR-3





LR-4



LR-5





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 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "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 <u>.22 LONG RIFLE (HOLLOW POINT).</u> "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 <u>.22 LONG RIFLE (STANDARD VELOCITY).</u> "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).

1982 100 Rd. PLASTIC PACK Issues

LR-6





LR-7



LR-8





LR-9



LR-10



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 <u>.22 LONG RIFLE (MATCH).</u> "RIFLE and PISTOL". Same as LR-6 except for "RIFLE & PISTOL" wording.
- LR-8 <u>.22 LONG RIFLE (MATCH).</u> "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 <u>.22 LONG RIFLE (HOLLOW POINT).</u> 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 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> Same as. LR-9 except loaded with a copper plated bullet. Load No. 810 hand written on the label.

1980's COBRA Experimental Issues

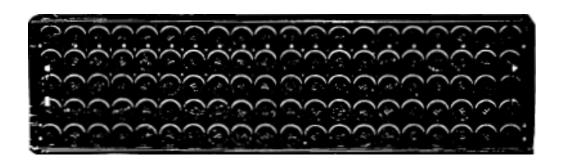
LR-11



LR-12



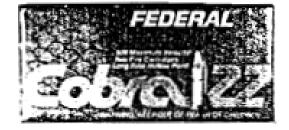
LR-13



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 <u>.22 LONG RIFLE (EXPERIMENTAL).</u> "COBRA". same as LR-11 except another design. Also produced in 1983 and never placed on the market.
- LR-13 <u>.22 LONG RIFLE (EXPERIMENTAL).</u> Amber plastic box. No label. Brass washed steel case with an "F-8" h/s. Sold to employees only.
- LR-14 <u>.22 LONG RIFLE (ULTRA VELOCITY EXPERIMENTAL).</u> "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 <u>.22 LONG RIFLE (ULTRA VELOCITY EXPERIMENTAL).</u> "COBRA". Same as LR-1, except a brown box with white and gold printing. This also is a carton sized box

1970 "POWER-FLITE"

LR-1





LR-3





LR-5





LR-6





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

curate, hard-hitting long range 22's for hunting sall game or informal target practice. These cardises have higher velocity and power than standardspeed 22's. Because they develop greater champer pressures, use them only in modern firearms in od condition, designed for such ammunition. Non-Corrosive Priming a werrant the exercise of reasonable care in manicture, but make no other warranty, expressed or pled.

Made in U.S.A. By

FEDERAL CARTRIDGE CORPORATION Minneapolis, Minnesota 55402

WARNING: To avoid possible serious injury (I) use only in properly functioning firesems in good condition, suitable for modern 22 Long fielle Cartridges (2) keep barrief free of any obstruction. If gan fails he fire, a mechanically delayed firms may occur or gan may fire so eponing, causing serious injury. Keep gun pointed in a sale distration. Wast 30 seconds. Cartrill's enfoad, avoiding exposure to breech. Wear proper hearing protection—repeated exposors to gun-line can damage hearing. Wear shooting glasses to protect ayes from flying particles. NON-CORROSIVE PRIMING FEDERAL CARTRIDGE CORPORATION
Ny Minneapolis, Minnesota 55402

WARRING: To avoid possible serious injury (1) use only in properly functioning finearms 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 replaced association accounts to buse by fully unload, avoiding exposure to breech

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

FEDERAL CARTRIDGE CORPORATION

#1 End Flap

#2 End Flap





- .22 LONG RIFLE (HIGH VELOCITY). "POWER-FLITE". Gold, white and LR-1 black one-piece box with black and white printing. Variations noted:
 - "A" bottom. Tall plastic tray. #1 end flap warning. (a)
 - (b) "A" bottom. Short plastic tray. #1 end flap warning.
 - "B" bottom. Tall plastic tray. #2 end flap warning. (c)
 - "B" bottom. Tall paper tray. #2 end flap warning.
 - "B" bottom. Short plastic tray. #2 end flap warning. (e)

- POWER-FLITE "
- 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



.22 LONG RIFLE (SEMI-HOLLOW POINT, HIGH VELOCITY). "POWER-LR-6 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.



1979 "LIGHTNING"

LR-1



50 RIM FIRE CARTRIDGES

50 RIM FIRE CARTRIDGES
HIGH VELOCITY

LR-2





"A" Bottom

"FEDERAL CARTRIDGE CORPORATION"

WARNING: To avoid possible serious injury (1) use only in properly functioning finants in good condition, suitable for modern 22 Long Rifle Cartridges (2) keep barret free of any obstruction. If gun fails to fire, a mechanically delayed fring may occur or gun may fire on opening, causing serious injury. Keep gun pointed in a safe direction. Watt 3D seconds: Carefully unload, avoiding exposure to breech.

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

NON-CORRIDGIVE PRIMING.
MADE IN U.S.A. BY
FEDERAL CARTRIDGE CORPORATION
Minnaports. Minnaports. 56402

"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 Riffle Cartridges (2) keep barrel free of any obstruction. If gun falls to fire, a mechanically delayed feing 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 breech.

Was proper hearing protection — repeated exposure to gunflire can damage hearing. Wear shooting classes to protect eyes from flying particles.

NON-CORROSIVE PRIMINES.

NON-CORROSIVE PRIMINES.

MADE IN U.S.A. BY

FEDERAL CARTRIDGE CORPORATION

Minnapolits, Minnesous 55402

"D" Bottom

"FEDERAL CARTRIDGE CO., Anoka MN"

WARNING: To avoid injury; (1) use unity in frearms in good condition marked for 22 long rifle (LR) carbridges; (2) always be suite barrel in free of any obstruction; (3) was eye protection; (4) if gus falls to fire, avoid exposure to breech when unloading and point muster on a sale direction.

AVERTISSEMENT: Pour éviter tous encidents; (1) utilises uniquement dans des artires à feu en bon état marquées au caibre. 22 ong rifle (LR); (2) assurrevieus toujours que le caron n'est pas obstruir. (3) portes une protection pour les yeax; (4) si l'arme ne fait pas feu, ne vous exposes pas directement à la sortie de la cuisses en vidant le fusil et pointes le caron dans une direction sécuritaire.

NON CORROGNE PRIMING

MADE IN U.S.A. BY

**FEDERAL CARTHIDGE CO., Anoka, MN 55303 U.S.A.*

"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 barret 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. Wat 30 seconds. Carefully unload, avoiding exposure to breech.

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

NON-CORROSIVE PRIMING

MADE IN USA BY

FEDERAL CARTRIDGE COMPANY

Minneapolis. Minnesots 55462

"E" Bottom

"FEDERAL CARTRIDGE CO., Anoka MN"

WARHING: To avoid injury (1) use only in fazarms in good condition marked for 22 long rifle (LFI) cartridges, (2) always be sure harred is free of any obstruction; (3) wear eye protection; (4) if your halfs for first, avoid exposure to breech when unloading and point muctor in a salle direction.

AFERTISSEM(RT: Pour éviter fous incidents; (1) utilisez uniquement dans des armes à fee in boin était transpales au calibre 22 long rifle (LFI; 2) assures vious boujours que le cannon ir est pac obstruit; (3) portiza une protections pour les year, (4) if arme ne fait pas feu, ne vious exposés pas directioneres à la corte de la cultatase en violant le fusal el pointez le cannon ir est pas derectioneres à la corte de la cultatase en violant le fusal el pointez le cannon dans sure d'enclors alsocratians.

Made in U.S.A. by WON CORROSIVE PRIMING

FEDERAL CARTRIDGE CO. Anokoa, MN 55303. PF.C.C. 1988

FEDERAL CA STATRIDGE CO. Anokoa, MN 55303. PF.C.C. 1988

Lughtsing" in a trademark of F.C.C.

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 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "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.



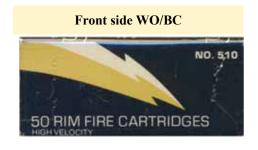


- LR-2 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "LIGHTNING" Blue and white box with blue, white and gold printing. Introduced in 1983. Variation. noted:
 - (a) "A" "bottom.. WO/BC
 - (b) "B" bottom. WO/BC & W/BC
 - (c) "C" bottom. W/BC
 - (d) LR-2c box with white front over-label.





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



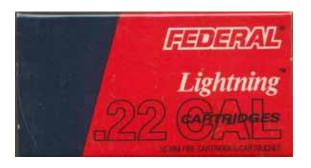


"LIGHTNING" (1991-1998)

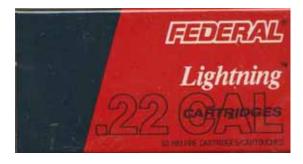
LR-3



LR-4a



LR-4 b



LR-4c



"F" Bottom

WARNING: To avoid injury: (1) use only in frearms 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) it gun talls to fire, avoid exposure to breech when unloading and point muzzle in a safe direction. AVERTISSEMENT: Pour éviter tous incidents: (1) utilissez uniquement dans des armes à feu en bon état marquées au calibre. 22 long rifle (I,R); (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 culiasse 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 O.F.C.C. 1991 "Federal" is a trademark registered in the U.S. Pat. Off. "Lightning" is a trademark of F.C.C.



"G" Bottom



"G" Bottom



"H" Bottom



"LIGHTNING" (1991-1998)

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







- LR-4 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "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 avaid seriese injury: [1] are only aremantition in good condition, use only in modern freewer in good condition merical for .22 Long title [12] carnidges; (2) things be set borred is less of any obstruction; the borred should be checked in one of light recoil at an assessably inside at week stouch beard during lifting; [2] were set early protection; (4) gun tolds to fire, and appears to be sets described and give great protection and the protection of the protection of the protection of the sets of the protection of the sets of the protection of the pr

"LIGHTNING" (2008-2015)

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





PROMOTIONAL 1982 "CHAMPION"

LR-1



"A" Bottom

WARNING: To avoid possible serious injury (1) use only in properly functioning financies in good condition, suitable for modern 22 Long filte Cartridges (2) keep barrief free of any obstruction. If gun talls to file, a mechanically delayed fixing may accur or gun may fire on spering, causing serious injury. Keep gun pointed in salle direction. Walt 30 seconds. Carefully unload, avoiding exposure to breach.

Wear proper hearing protection — repealed exposure to guntire can itamage hearing. Wear shooting pleases to protect eyes from flying

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

"C" Bottom

WARRING: To avoid injury. (1) use brily in firearms in good condition marked for 22 long rifle (LR) catrioges. (2) aways be sure barried the sit any obstruction. (3) was eye protection. (4) if gun fails to fire, avoid exposure to breech when untolong and point muster in a safe direction.

AVENTISSEMENT: Pour eviter tous incidents: (1) utilisez uniquement dans des armes à les en bon état manquées au calibre. 22 long rifle (LPI): (2) assuraz-vous haijaves que le camon n'est pas sibstiné; (3) portes une prutection pour les youx. (4) si fame de tat pas les cue vois responez 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 *FEDERAL CARTRIDGE CO., Anoka, MN 55303 U.S.A. MARNING: To avoid possible senious mury (1) use only in properly functioning finantins in good condition, suitable for modern 22 Long Rifle Cartridges (2) keep barrel free of any dostruction. If gun fails to fire, a mechanically delayed firing may social or gun may fire on opening, causing senious injury. Keep gun pointed in a safe direction. Wall 30 seconds. Carefully unload, avoiding exposure to breech.

"B" Bottom

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 Minnespolls, Minnesota 55402



"D" Bottom

(\$3,00000. To around repart; 17) use serily in forearms in good condition marked for 22 bring risk (LP) considers; (1) whose the suits barred in the of any obstruction; (2) were representations; (4) if give fails to five, avoid expenses to breach when unmaring and power muscle or a safe direction.

poor mustre er a safe direction.

ARETISCENSENT: Pour évelt tous recidents; (1) althieu uniquement dans des primes à tes entre de la recident de la cultura de la recident de la cultura de la recident de la cultura de la cultura de la recident de la cultura de la cultura de la recident de la r

FEDERAL CARTRIDGE CO. Anoka, MN 55303 *F.C.C. 1988
"Initinal" is trademark registered in the U.S. Pet. DR.
"Changeon" is a brademark of F.C.C.

"E" Bottom

WATRENC: To avoid orany (1) use only in finance in good condition marked for J2 long-chie (J1) cartridges (2) always be sure barrie to tree of any abstruction; (3) wear eye protection; (4) if gue fails to fine, avoid exposure to breach when uncoding and point insures in a safe direction.

FEDERAL CARTRIDGE CO. Ancka, MN 55303 FCCC 1988 Trodital is a Valenciar registered in the U.S. Put Off "Therefor" is a Instalment of FCC



"F" Bottom

WARMING: To avoid possible serious injury (1) use only in properly functioning financies in good condition, suitable for modern 22 Long Rifle Cartridges (2) keep barrel free of any obstruction. If gon talks to free, a mechanically delayed leng may occur or gun may fire on opening, causing serious mary. Keep gun pointed in a sale direction. Wall 30 seconds. Carefully utilized, avoiding exposure to breech.

Wear proper hearing protection — repeated exposure to quiffire 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



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 <u>.22 LONG RIFLE (STANDARD VELOCITY).</u> "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.







1983 "SPITFIRE"

LR-1



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 or 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 expoure to breech.

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

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



LR-1.5



WARRIGE to exist may if you only in terms in good condition marked to 20 Long Rife (AF) control (S) always to some band in their of any poblacidors. (S) wear eye and ear protections (AF) gos high to be used degreemen to breach when introducing and good mustrie in a safe develors. (S) declarage may occur if in this, it handwish with cashon, do not drop.
Applications (AF) the development of the depth of the development of the development

AVERTISSEMENT: And planet is bleasures (1) diffect orapported date date attends it has not both effort integration port controvation as called to 2 Juny 146 o (Fz.) to souther-to-be busings are to attend in the sibilities (3) portat on frequipment protection pour less your etter oranities (4) in 1 limits frait page 15s, white de yours opposed description of a business or vident frame of protect is bouched from committee and destinaspectation, (5) lamp opunities of octobage of lamours self happers manipules away does, no pas 60 Apper ACM-CORROSSE PRANNO

WARNING: KEEP OUT OF REACH OF CHILDREN ATTENTION: A GAPCIER HOPS DE PORTEE DES ENFANTS

Facings Ave Date of Pacific Ave Time of Pacifi

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 <u>.22 LONG RIFLE (HYPER VELOCITY).</u> "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.







LR-1.5 <u>.22 LONG RIFLE (HYPER VELOCITY).</u> "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)







1983 "SPITFIRE"

LR-2



LR-3





LR-4





1983 "SPITFIRE"

- LB-2 <u>.22 LONG RIFLE (EXPERIMENTAL CAN).</u> "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 <u>.22 LONG RIFLE (HYPER VELOCITY).</u> "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 <u>.22 LONG RIFLE (HOLLOW-POINT, HYPER VELOCITY).</u> "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.

Oversized Boxes 22 WIN MAG

WMR-1





WMR-2



WMR-3



"A" Bottom WARNING: To evolutionary (trusse only in finance in good condition reshood for 30 Winchester Magnum Remition on those (WMRF). (2) weeps to sure burrel in free of any obstaction (3) were say protection (4) and put halls of the audic exposure to breach when unloading and point insure in a sale direction. AVERTISSEMENT: Pour eview local incidents: (1) artifacts saniquement dates arreas a less box data marqueles as callons. 37 Winchester Magnum Rimites (MRR): (1) actures vous fourpours pour le canon most pas obstruct, (3) protect are protection pour les years (4) all fames has box de canon end pas obstruct, (3) protect are protection pour les years (4) all fames has label on a box de canon dates see described at a sonité de la collège en vidant le fasti et pointeur le canon dans see describe absenteur les la collège en vidant le fasti et pointeur le canon dans see describe absenteur les la collèges en vidant le fasti et pointeur le canon dans see describe a stradement celles.

"C" Bottom

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

AVERTISSEMENT: Pour eview tous incidents: (1) utilised uniquement dans des armes à feu bon état marquées au calibre. 22 Winchester Magnum Rintfire (WMRF); (2) assurez-vous toujours que le canon n'est pas obstrué, (3) portez une protection pour les yeux; (4) si Came n'est pas feu; ne vois est pas directiment à la sortie de la culaisse en vidant le fusil et pointes le canon dans une direction sécuritaire.

Marufactured in the USA by

*FEDERAL CARTRIDGE CO., Anoka, MN 55303 U.S.A.

Teideral' is a trademark registered in the U.S. Patent Ot.

Oversized Boxes 22 WIN MAG

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

- WMR-1 <u>.22 WIN. MAG. RIMFIRE. (PROTOTYPE BOX).</u> 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 <u>.22 WIN. MAG. RIMFIRE (PROTOTYPE BOX).</u> 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





Oversized Boxes 22 WIN MAG

WMR-4



WMR-5





"A" Bottom

WARNING: To avoid injury: (1) use sity in finantis in good condition marked for .22 Windipase Magnum Finnine cartridges (WMRF); (2) suways be sure buried in fine of any distinction. (3) wear we protection; (4) tig un fails to first and acquaint to breach when unloading and point invazio in a safe direction.

AVERTISSEMENT: Pour every bous incidents: (1) utilises uniquement dans des armies à fau bon état marquées au calibre. 22 Winchestes Magnum Firnine (WMRF); (3) assurce voix boujours que le carion n'est pas obstrue. (3) pointez une protection pour les yeux; (4) si l'armie n'att pas leu, ne vous exposes pas directement à al sortie de la cultasse en vidant le fuell et pointez le canon dans une direction accuritaire.

"Federal" is a trademark registered in the U.S. Pat. Off,

"B" Bottom

Machinery To avoid injury (1) use only in financia in good condition marked for 22 Winchester Magnam Render curvidages (MARY); (2) always be some barred in time of any abstraction, (3) wear eye protection, (4) if you take to fire, avoid exposure to breach when unleading and point muster in a safe direction.

ARENTESSENENT: Pour evitor tous moderns: (1) offices uniquement dama das armes a less on bon state manageless as califore 22 Winchester Magnam Render (WARY); (2) asserts vitors traigeness of carriers in care on the carriers in the postesser pas directions of its sortice de la califora on vitoral le head of pointes in care of the care of the free characterists.

MOR COPRISONE PRIMARY

Made in U.S.A. by

PEDERIAL CARTITEDGE CO. Amoka, MM 55303 MF.C.C. 1989

Oversized Boxes 22 WIN MAG

WMR-4 <u>.22 WIN. MAG. RIMFIRE (HOLLOW POINT).</u> 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



"AMERICAN EAGLE"

LR-1



LR-1.5



"A" Bottom

WARNING: 1s avoid aury (1) use only linearms in good condition marked for 22 imprifie (LR) carridges, (2) always be sure barrel in line of any obstruction; (3) was eye protection; (4) if gun laks to line, avoid exposure to breach when uniqueling and point cruzzle in a sale direction.

AVERTISSEMENT: Pour éviter tras incidents (1) utilisse uniquement dans des ammin à leu en bon étai marquées au calibre 22 long rifle (LR). (2) assurer vaux 16 jaurs que le carcinn est pas abstiné, (3) portez uns protection pour les years. (4) si l'artine ne fair pas less, ne visus coposez pas divectionnent à la sortie de la cuisante en vetent le hail et pointez le coron dans une direction sécuritaire.

NON-CORROSIVE PRIMING Made in U.S.A. By FEDERAL CARTRIDGE COMPANY Minneapolis, Minnesota 55402



"B" Bottom

WARNING: To avoid injury: (1) use only in trearms in good condition marked for .22 long risk (IR) cartridges (2) always be sure barrel & from of any obstruction; (3) wear eye protection; (4) gain that to five, avoid exposure to breedt when unloading and poet muchs in a safe direction.

WERTISSEMENT: Pour evinor tous incidents. (1) attisse uniquement dans des armes à feu en bon (dan mangules au cathes 22 bing rifle (LR); (2) assures - vous trugains que le canon it est au soberiue. (3) outre une prodection que le syeur (4) al farmer le habit feu. Its vous évapours pas directiement à la sorté de la nutace en vistant le fusil et pointer. In canon dans are direction securitaire.
NON CORROSIVE PRIMING.

FEDERAL CARTRIDGE CO. Anoka, MN 55303 F.C.C. 1988



"C" Bottom

WARNING: To avoid ejury. (1) use only lessons in good condition marked for 22 long rife (I, R) cartridges. (2) always be sure barrel in the of any obstruction. (3) were eye protection; (4) if gun talls to fire, avoid exposure to breech when unloading and point mustle in a safe direction.

AVERTISSEMENT: Prurievne roujinoidents (1) utiliseruniquement dans des ames à fois en bon état marquées au carbée. 22 long rife (1.8); (2) assures vous toujours que le canon n'est pas obstrué; (3) parter une protection plour les yeux. (4) si l'arme de fait pas leu, ne vous exposur pas deschangent à le sonte de la culasse en vidant le fuoi et pontaz le canon dans une d'exclus els exclusives.

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



"D" Bottom

WARNING: To avoid rigary (1) use only therms in good condition marked by 22. longriffe (I.R) cartrisper. (2) always be over barrells from fany distruction. (3) was eye protection. (4) if gen fails to fine, avoid exproves to breach when unlooking and point mustle in a safe direction.

AVERTISSEMENT: Pour éviter tous incidents (1) utilitats uniquement dans des armes. À leu en bon état marquées au cariter. 22 long rille (LR); (2) assurez veus l'oxiders que le caron n'est parobistrué. (3) portez une praiection pour les yeax; (4) si hanne rei toit pas les, ne vous exposez pos directement à la sortie de la cuisene en vident le fusif et pointer le canon dans une direction sécuritaire

NON-CORROSIVE PRIMING FEDERAL CARTRIDGE COMPANY Anoka, Minnesota 55303



"AMERICAN EAGLE"

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

- LR-1 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "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 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "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 <u>.22 LONG RIFLE (HOLLOW POINT, HIGH VELOCITY).</u> "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:

AMERICAN EAGLE 22'S
.22 LONG RIFLE
OODBER
PLATEU
HIGHAERE VELOCITY

- (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 <u>.22 LONG RIFLE (HOLLOW-POINT, HIGH VELOCITY).</u>

"AMERICAN EAGLE". Same as LR-3 except "38 GRAIN HOLLOW POINT AE 22" on end. (1997-2008)







"AMERICAN EAGLE"

LR-4



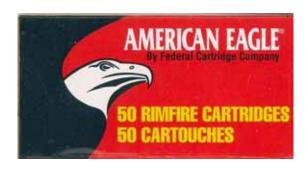


LR-4.2





LR-4.4





LR-4.6





"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 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "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 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "AMERICAN EAGLE". Same as LR-4.2 except different date on bottom (1997)







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







"AMERICAN EAGLE"

LR-5





LR-5.5





"AMERICAN EAGLE"

1992-2008 50 Round Boxes

LR-5 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "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 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "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"

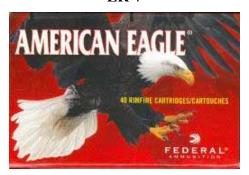
LR-6



"L" Bottom

ANDTHISSEMENT First denied des biesoules grasses (1) utilises antinemment des cartaientes en den eithe minister auc corre des ammes à les modernes en tour entrainent (utilisation de la cartaiente 22 July 1804 (1805), commes à les modernes en tour entrainte (1805), commes de carve en sur de model des grasses qu'un se model de carve en sur de model de grasse en sur des models des commes de carve en la carve en la des commes de carve de la grasse en la carve en

LR-7



"M" Bottom



LR-8



WARNING: To avoid serious lighty. [1] use only ammunition in good condition, use only in modern finearms in good condition marked for .22 Long Riffe (LR) contridges. [2] always be sure bornel is fines of any obstructions; the bornel should be checked in case of light recoil or an insusability load or week sound becord during thing, [3] wear eye and can protection. [4] If gur falls to fine, avoid exposure to breech when unbashing and point necess in a safe direction, lever informs protection as did theres, (b) elaborage may occur if fini is struck; handle with causium, do not drop; [8] do not shoot at hard surfaces or water to prevent risoched. [7] builet is capable of threwing mothers distances, level year backstop; (8) state in each of by place.

LEAD WARMING: Discharging breams in posity wintfalled areas, clearing freams, or handing armunition ring result in represent to lead and other substance known to cause beth defects, reproductive from and other service physical injury. Have adequate wortilation at all times Wash hands thereighty after exposure.

WARNING: KEÉP OUT OF REACH OF CHILDREN
AVERTISSEMENT: GARDER HORS DE LA
PORTÉE DES ENFANTS
41525 RING WAP 8200317 OFF.C.C. 2813

Made in the USA/Fabrique Aux États-Unis Federal Cartridge Co. Amoka, MN 55303 USA "American Eagle" is a registered

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 <u>.22 LONG RIFLE (HOLLOW POINT-HIGH VELOCITY).</u> "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 <u>.22 LONG RIFLE (SUPPRESSOR).</u> "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.



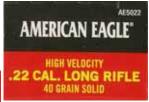




LR-9 .22 LONG RIFLE (HIGH VELOCITY). "AMERICAN EAGLE". Red, 50 round box with black white and yellow printing. A 40 gr. solid lead bullet in a brass case with "F-8" h/s. Load No. AE5022. (2016)







"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

1992 "CLASSIC"

Small Box



LR-1



LR-2



LR-3



COMMON BOTTOM

WARNING: To avoid injury: (1) use only in firearms in good condition marked for .22 Winchester Magnum Rimfire cartridges (WMRF); (2) always be sure barrel to 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 sale direction.

AVERTISSEMENT; Pour eviter tous incidents; (1) utilises uniquement dans des armes à fire en bon état marquées au calibre .22 Winchester Magnum Rimfire (WMRF); (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.

NON CORROSIVE PRIMING

FEDERAL CAPITRIDGE CD.

ANOKA, MN 55303

"Classe" le a trademark et E.C.

OF.C.C. 1931

Large Box



LR-4



WMR-1



WMR-2



COMMON BACK



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 <u>.22 LONG RIFLE (HOLLOW POINT, HIGH VELOCITY).</u> Copperplated. Hollow point bullet. Load. No. 712.



LR-3 <u>.22 LONG RIFLE (STANDARD VELOCITY).</u> "CHAMPION". Lead bullet. Load. No. 712.



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



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

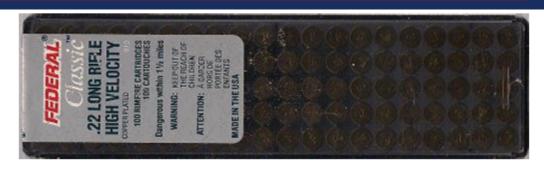


WMR-2 .22 WIN. MAG. RIMFIRE (HOLLOW POINT). A 50 gr. Jacketed, hollow point bullet. Load No. 757.



1992 100 Rd. PLASTIC PACK Issues

LR—1



LR—2



LR-3



LR-4



"A" Bottom



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:

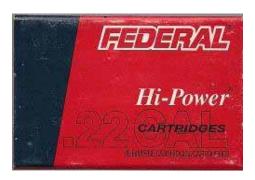
- (a) Small ® above CLASSIC.
- (b) Large ® above CLASSIC.
- LR-3 .22 LONG RIFLE (HIGH VELOCITY). "CLASSIC". Smoke colored plastic box with clear lid. A silver partial wrap-around label. A copper plated bullet loaded in a brass case with. "F-8" h/s. Load No. 810 on top and end. "D" bottom.
- LR-4 .22 LONG RIFLE (HIGH VELOCITY). "CLASSIC". LR-3 box with white export over-label on top.





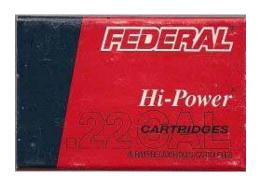
1993 40 ROUND Hi-Powe Boxes

LR-1



WARDING IN Avoid num. It is not offer or meaning the operation of the common of the co

LR-2



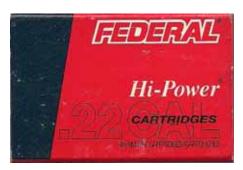


LR-3





LR-4





1993 40 ROUND Hi-Powe Boxes

These 40 round boxes were manufactured tor 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 <u>.22 LONG RIFLE (HYPER VELOCITY).</u> "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.









1993-94 CLASSIC

Small Box



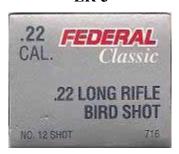
Large Box



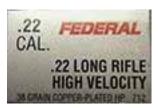
LR-1



LR-3



LR-2



WMR-1



WMR-2



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 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "CLASSIC". A copper-plated 40 gr. solid bullet. Load No. 710.
- LR-2 <u>.22 LONG RIFLE (HOLLOW POINT, HIGH VELOCITY).</u> "CLASSIC". A 38 gr. copper-plated hollow pointed bullet. Load No. 712.
- LR-3 <u>.22 LONG RIFLE (SHOT).</u> "BIRD SHOT". Loaded with 25 gr. No. 12 shot. Load No. 716.
- WMR-1 <u>.22 WIN.MAG. RIMFIRE. (HIGH VELOCITY).</u> "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 <u>.22 WIN.MAG. RIMFIRE. (HOLLOW POINT, HIGH VELOCITY).</u> "CLASSIC". A 50 gr. jacketed hollow point bullet. Load No. 757.

WARNING: To avoid injury: (1) use only in finantine its good condition marked for .22 Winchester Magnum Rimiter cartridges (WMRF): (2) always be sure barrel to fine in any obstruction; (3) wear eyn and sar protection; (4) if you fails to fire, avoid exposure to breech when unloading and point imaze in a sare direction. AVERTISSEMENT: Pour evolut tous incidents: (1) utilises unsqueement dans des arms a fest en boo star marquines au calibre. 22 Winchester Magnum Rimiter (WMRF); (2) assures vois hougers que be cando it of est pas obstruit; (3) portez une potection pour les yeins et les ornilles. (4) si l'arme ne fait pas leu. Ne vous exposes pas directioner à la cutaisse en vidant le fusil et pointez le canon dans une direction securitaire. NON CORROSIVE PRIMING Along on the LSA formation of a substance of colors of a substance of colors.



1995 CLASSIC

Small Box



Large Box



LR-1



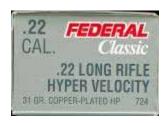
LR-4



LR-2



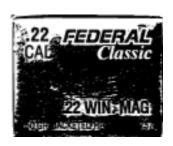
LR-3



WMR-1



WMR-2



WMR-2



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 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "CLASSIC". A copper-plated 40 gr. solid bullet. Load No. 710.
- LR-2 <u>.22 LONG RIFLE (HOLLOW POINT, HIGH VELOCITY).</u> "CLASSIC". A 38 gr. copper-plated hollow point bullet. Load No. 712.
- LR-3 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "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 <u>.22 LONG RIFLE (SHOT).</u> "BIRD SHOT". Load No. 716. Variations noted:
 - (a) No. 12 shot.
 - (b) No. 10 shot.
- WMR-1 <u>.22 WIN. MAG. RIMFIRE (HIGH VELOCITY).</u> "CLASSIC". A 40 gr. full metal jacketed bullet. Load No. 737.
- WMR-2 <u>.22 WIN. MAG. RIMFIRE (HOLLOW POINT, HIGH VELOCITY).</u> "CLASSIC". A 50 gr. jacketed hollow point bullet. Load No. 757.
- WMR-3 <u>.22 WIN. MAG. RIMFIRE (HOLLOW POINT, HIGH VELOCITY).</u> "CLASSIC". A 30 gr. jacketed hollow point bullet. Load No. 767.







199-97 22 WIN. MAG PREMIUM

WMR-1









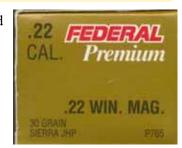
WMR-2



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

1996-97 CLASSIC

Small Box



WARRING: To peried digary, (1) pale andy in franciscus to good constituen marked for 22 king info (LF) contrologies. (2) shows for face the latest of any continuous (LS) made and any one periodicities (LS) which he face, would operation to better international and pulse incertainty. Four matter toom seconds: 115 unities; unsqueezed there does not mark the control toom seconds: 115 unities; unsqueezed there are a second as the piece of the united toom of the period pool of the period of the control of the contro

Large Box



WARNING: To avoid enury. (11) use unity in finantina in good condition marked for 22 long rifle (LR) participes. (2) where he save burnel is fine of any obstruction; (2) were type and nar protection; (4) if you fails to fee, avoid exposure to breech when alreading and point martile in a safe direction.

AVERTISSEMENT: Pour eviter tous sections: (1) utilizes unsquereed dans des armes à fou en bur stat marquiées ào calibre 20 aniqui the (LR). (2) assuraz-vous toujours que le canon it est pas obstrué. (3) portez une protection pour les yeux et les desilles; (4) of farme in fait pas fou, in vous exposez pas directement à la cuisses en vidant le fusil et poetiez le canon dans une direction sécuritaire.

Made in the USA Fosting Co. ANCRA MN ESSISS USA Federal à sa trademark registered with the US patent office.

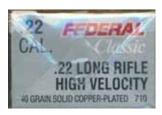
Cleenic is a trademark of EC.C. © EC.C. 1996



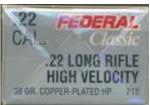


1996-97 CLASSIC

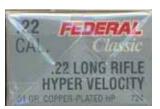
LR-1 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "CLASSIC". A copper-plated 40 gr. solid bullet. Load No. 710.



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



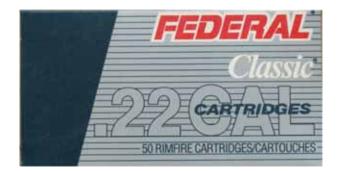
LR-3 <u>.22 LONG RIFLE (HYPER VELOCITY).</u> "CLASSIC". A 31 gr. copperplated hollow point bullet. Load No. 724. .



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



1998 CLASSIC



WARNING: To avoid injury: (1) use only in frearms in good condition marked for :22 long rifle (LR) cartridges; (2) always be sure borrel in line of any obstruction; (3) wear eye and air protection; (4) if guintains to fire, avoid exposure to breech when unliading and point intuition as a safe direction; (5) discharge may occur if rims is shock; handle with caption, do not through a rims of the caption; (5) discharge may occur if rims is the caption of the caption of the marquies are cabler 22 long rifle (LR); (2) assure-vous busious que le carion in est pas distribut. (2) postes use protection pour les veux et les contests; (4) is farmine the all pas fers, in evulus exposure pas directement à la sortie de la cultarae en vidant le fusil et pointez le carion filers une direction sécuritare.

(5) ane decharge pourrait survenir si le culot est happe; manipulez avec soin, né pas echappes.

NON CORROSIVE PRIMING

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1998 CLASSIC

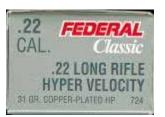
LR-1 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "CLASSIC". A copper-plated 40 gr. solid bullet. Load No. 710.



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



LR-3 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "CLASSIC". A 31 gr. copperplated hollow point bullet. Load No. 724



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



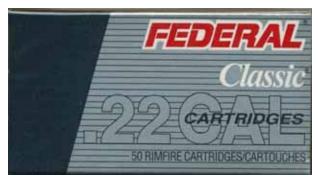
1999 CLASSIC

Small Box



MARKING: So pend injury (1) was only in fresome so good condition murked for 22 long rifle (1.5) cartridges; (2) should be suite harrel in free of any obstitution; (2) west eye and ear provideo; (4) if gain fairs 10 lifes, send deposite at 10 send when installing and point micros in a safe deviction; (5) obstitution by because if not in stream, handle when existing on all point micros in a safe deviction; (5) obstitution of the control o

Large Box



WARNING: To avoid Higher; (1) case printy in features, in good condition marked for 22 leng rifle (LR) conninges; (2) always the card harms in the of any obstruction; (3) what yet and six printed car, (4) if you fails to fire, avoid exposure to breach when overalling and posts march in a said direction; (3) discharge from your of an in to struck handle with castlook, the rind short interpulsed as particular 22 leng rifle (LR); (3) asserting to the control of them in the card of the analysis of the control pour interpretability (2) asserting to the property card in the card of the control pour interpretability (2) asserting to the control card on the card of the control of





1999 CLASSIC

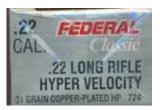
LR-1 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "CLASSIC". A copper-plated 40 gr. solid bullet. Load No. 710.



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



LR-3 <u>.22 LONG RIFLE (HYPER VELOCITY).</u> "CLASSIC". A 31 gr. copperplated hollow point bullet. Load No. 724.



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



2002 CLASSIC

Small Box

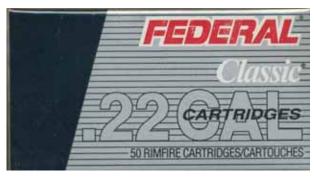


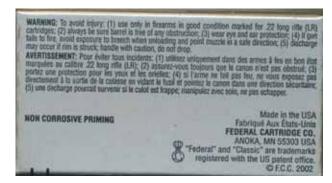
WARNING: To avoid insury: (1) use only in finances in good condition marked for .22 long vitle (I,R) cannot per (2) elected be sure barrel in free of any obstituation; (1) war eye and early protection; (3) if gun fails to fire, avoid exposure to treech when opticating and point murse if a safe direction; (1) discharge may occur if one is struck; handle with caustion, do not drop.

AVERTISSEMENT: Pour evitor tous localization in its struck; handle with caustion, do not drop.

AVERTISSEMENT: Pour evitor tous food fails and fail to not a structure of the control of the structure o

Large Box







2002 CLASSIC

- LR-1 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "CLASSIC". A copper-plated 40 gr. solid bullet. Load No. 710.
- LR-2 <u>.22 LONG RIFLE (HOLLOW POINT, HIGH VELOCITY).</u>
 "CLASSIC". A 38 gr. copper-plated hollow point bullet. Load No. 712.
- LR-3 <u>.22 LONG RIFLE (STANDARD VELOCITY).</u> "CLASSIC". A 40 gr. lead bullet. Load No. 5035.







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 breech when unbodding and point muzzie in a safe direction.

AVERTISSEMENT: Pour eviter tous incidents: (1) utilisez uniquement dans des armes à leu en bon état marquées au calibre .22 long rifle (LR); (2) assurez-vous toujours que le canon n'est pas obstrué; (3) portez une profection pour les yeux et les oreilles; (4) si l'arme ne lati pas leu, ne vous exposez pas directement à la cutasse 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) carridges; (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.

AVERTISSEMENT: Pour éviter tous incidents: (1) utilisez uniquement dans des armes à feu en bon état marquées au calibre .22 leng rille (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 veus exposez pas directement à la culasse en vidant le fusil et pointez le canon dans une direction sécuritaire.

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LR-3





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

AVERTSSEMENT: Pour éviter tous incidents. (1) utilisez uniquement dans des armes à leu en bon état marquées au calibre. 22 long rille (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 fail 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 sur protection; (4) if gun falls to free, avoid exposure to breech when unloading and point muzzle in a safe detection.

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

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FEDERAL CARTRIDGE CO.
ATRICO CO.
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ATRICO CO.
ATRICO C

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 <u>.22 LONG RIFLE (STANDARD VELOCITY).</u> "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 <u>.22 LONG RIFLE (STANDARD VELOCITY).</u> "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)





GOLD MEDAL Paper Box 1996-1999

LR-5



WARRING: To avoid eijary: (1) one only in firsamin in good condition marked for 22 long rifle (LE) carhridges: (2) slewpy be sure burns in two of any destruction; (3) wear eye and ear protection; (4) if you fails to fire, avoid exposure to breech when selecting and point muzzle in a safe direction; (5) discharge may occur if his is struck; laundle with caution, do not drag.

AREKTESSENENT Pour feither tass socidents; (1) offices programment dates des armes à fru en bon état marchine protection pour les your et les orielles; (4) is l'arme ne fait pas four, ne vous exposer pas disschement à ta sontre de la culaisse en vidant le haut of parties le canon teur une direction sociations; (5) portez aux protections pour les your et les orielles; (4) is l'arme ne fait pas four, ne vous exposer pas disschement à ta sontre de la culaisse en vidant le haut of parties le canon time une direction sociations; (5) portez aux pour pas despons.

Maide in the USA Fabriquié Aux Estats-Units NON CORROSIVE PRIMING

NON CORROSIVE PRIMING

Federal and *Gold Medal* are trademarks registered with the US patent office.

(5) F.C.C. 1997

LR-6



WARRING: To avoid Injury: (1) user only in finearms in good condition marked for 22 long rifle (LR) cartridges; (2) always be sure three is five of any obtaination; (3) was eye and ear protection; (4) if you fails to fire, avoid exposure to breach when unlocking and point master is a safe direction; (5) discharge may occur if rim is struck handle with caution, do not drop.

AVENTESSEMENT: Proof white those incidents; (1) utilizes uniquement date destames à leu en box état mangules au califier 22 long file (LR); (2) souter-voot brobunn, oue le caron riest pas obstitut, (2) points une protection pour les years et les oneiles; (4) is farme er full pas for, no vous exposer pas directiment à la sorte de la cultaine et volunt le full et pourbaire le caron date une defencion butunities; (5) une focharge pourrait survenir si le caloid est fragger, manipulez avec soin, ne pas schappe.

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ANOKA, MM 55300 USA

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GOLD MEDAL Paper Box 1996-1999

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







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







GOLD MEDAL Paper Box 1996-1999

LR-7



WARNING: To avoid injury. (1) use only in finamins in good condition marked for 22 long rifle (LE) cartridges; (2) always be sure barrel in tree of any obstruction; (3) wear eye and ear protection; (4) if you halfs to fire, avoid exposure to breach when unloading and point marble in a still direction; (5) discharge may occur if fin in struck handle with castlon, do not drop.

AFERISSEMENT: Pour évite tour incidents; (1) utilizes unlawment dans des armes à leu en boil init manquies au catière; 22 long rifle (LE); (2) aussure-void stologious que le canon n'est pas obtaine; (3) points une protection pour les yeux et les onteiles; (4) sil farme ne tait pas fou, ne vous expose; pas directment à la sortie de la culasse en violant le faut et pointez le canon dans une direction stoloutifier; (5) une decharge pourrait survenir si le culot est frappe; manipulez avec soin, ne pas echapper.

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ANONCA MIN SSOSO USA

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LR-8 (a)





LR-8 (b)



WARRING To award eighty (1) you may in financing in good conditions marked for 22 may rifle (I.Ricartinidges, (2) always the sum's barrief of the of any obstituation, (3) wear eye and say protection, (4) if you have to five, wood exposure to breach when unfooding and point mustre in a sale direction, (5) discharge may value if rim in struct; boodle with bandium, do not drow.

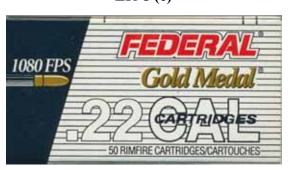
ANTIFICIONEMENT: Four death thank excents: (1) inflined prosperiment direction are protection poor layer years of the sentine; (3) in Terms on the past to not income operate participation of its softle of its collection poor layer and its sentine; (3) in Terms on the past to no vision operate participation of its softle of its collection of its sentine; (3) in Terms on the past time, and operate the collection of its softle of its collection of its sentine; (3) in Terms on the past time, and operate discretism (5) one occluspe pounds surviver in its color self bapoe, manipules avec soon, we past echapper

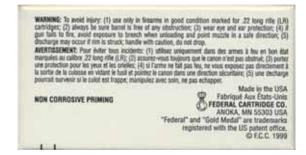
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Fodersal and "Gold Medical" are incodemarks registered with the US patient office.

O Y C.C. 1997

LR-8 (c)





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 <u>.22 LONG RIFLE (STANDARD VELOCITY).</u> "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









2002 TARGET Boxes

LR-1 <u>.22 LONG RIFLE (TARGET).</u> 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)

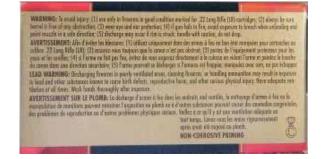


2004-2008 FEDERAL PREMIUM- GOLD MEDAL Paper Box

LR-1









LR-2









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



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



2009-2015 FEDERAL PREMIUM- GOLD MEDAL Paper Box

LR-1



MEAN TO SERVICE TO SERVICE AND AND A SERVICE TO SERVICE AND AND A SERVICE TO SERVICE AND AND A SERVICE AND A SERVI

LR-2





LR-3



WARNING to start miner in price of the start of the start

LR-4





2009-2015 FEDERAL PREMIUM- GOLD MEDAL Paper Box

- LR-1 <u>.22 LONG RIFLE (TARGET).</u> "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 <u>.22 LONG RIFLE (TARGET).</u> "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 <u>.22 LONG RIFLE (TARGET).</u> "HV MATCH". "F-8" h/s on a brass case. Lead bullet. Load No. 719.



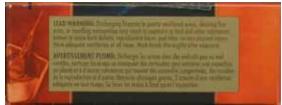




LR-4 <u>.22 LONG RIFLE (TARGET).</u> "TARGET". "F-8" h/s on a brass case. Lead bullet. Load No. 711B. Also shown is white Russian over-sticker on bottom.



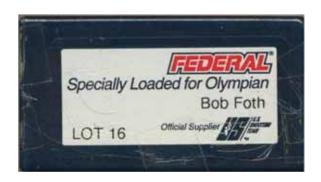




GOLD MEDAL Plastic Box

LR-1



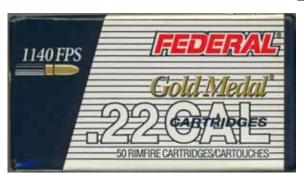


LR-2





LR-3





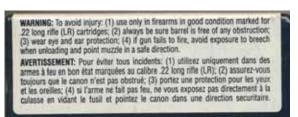
GOLD MEDAL Plastic Box

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 <u>.22 LONG RIFLE (MATCH).</u> "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 <u>.22 LONG RIFLE (MATCH).</u> "ULTRA MATCH". Load No. UM1.



40 GR SOLID

WARNING: 10 avoid injury: (1) use only in measure in good common marked for 22 long rifle (LR) cartridges; (2) always be sure barrel in free of any obstruction; (3) wear eye and ear protection; (4) if gun fails to fire, avoid exposure to breach when unloading and point muzele in a safe direction.

AVERTISSEMENT: Pour eviter tous incidents: (1) utilisez uniquement daies des armes à feur en bon état imarquées au cafére 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 securitaire.



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



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 sale direction.

AVERTISSEMENT: Pour eviter tous incidents: (1) utilisez uniquement dans des arms à les en bon êtet marquièse au califore .22 lean eite (II II).

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

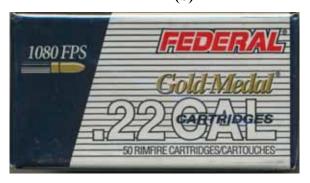


GOLD MEDAL Plastic Box

LR-4 (a)



LR-4 (b)



Cofficial Supplier

SECTION

10 29465 05669 8

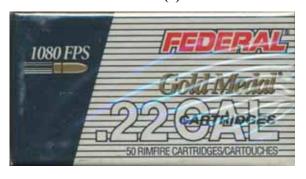
(b1) Bottom



(b2) Bottom



LR-4 (c)





GOLD MEDAL Plastic Box

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



WARNING: To avoid elury: (1) use only in trearms in good condition member 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 sate direction.

AMERTISSEMENT: 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.



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



WARMINU: To avoid injury. (1) use only in meanins in good condition ination 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 muzde in a safe direction.

AMERTISSEMENT: 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.



LR-4 (c) Load No. UM1B.



WARNANC: To avoid injury: (1) use only in firearms in good condition marked for 22 long rifle (LR) cartridges; (2) always be sure barrie's their of any obstruction; (3) wear eye and ear protection; (4) if gun fails to fire, avoid exposure to breech when unloading and good mazzle in a safe direction; (5) discharge may occur if min is stuck; handle with cartion, do not drop.

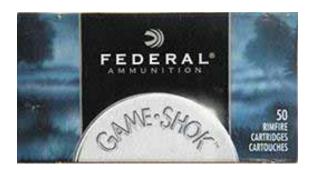
AMERIOSEMENT: Pour either toes incidents; (1) utilises uniquement dans des armes à finu en bon état marquies au calibre: 22 long rifle (LR); (2) assurer-vous toujours que le canon n'est pas obstrué; (3) gootez une protection pour les yeux et les orielles; (4) al farme ne fait pas fles, ne vous exposez pos directement à in sortie de la calasse en vidant le fusil et pointez à canon dans une d'inscho absolutaire.

(5) une decharge pourrait surveini si le cultit est frappe; manipalez avec soin, ne pas echapper.



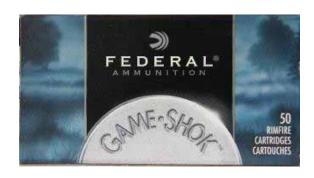
ShokWave Issues 2008 "Game-Shok"







LR-2





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 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "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)







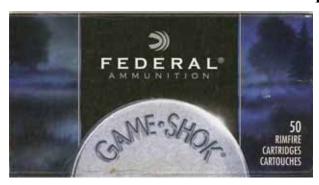
ShokWave Issues "Game-Shok"

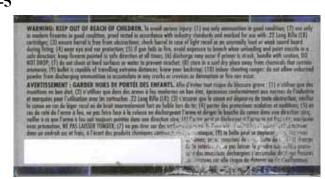
LR-4





LR-5

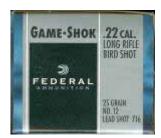




ShokWave Issues "Game-Shok"

- 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 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "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







ShokWave Issues "Champion"

LR-5





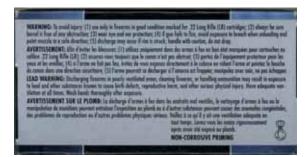
LR-6





LR-7





WMR-1





ShokWave Issues "Champion"

LR-5 <u>.22 LONG RIFLE (TARGET, STANDARD VELOCITY).</u> "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 <u>.22 LONG RIFLE (TARGET, HIGH VELOCITY).</u> "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 <u>.22 LONG RIFLE (TARGET, STANDARD VELOCITY).</u> "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



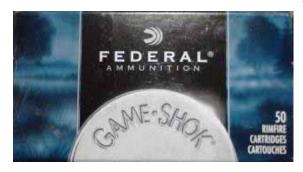
WARNING: to evaid serious injury; (1) use only ammeriten in good condition; use only in modern finances in good condition merical for: 22 long little (EX) carridges; (2) shows be sue harred in the of any obstantions; the bornel should be chacked in type of light result, or an executive base of week wourd beard during firing; (3) were eye and any revokation; (4) figure final to the covid coapsers to breach when selecting and point princip; (3) were reversed and the chacked of the conditions of the chacked of the conditions of the conditions of the chacked of the conditions of the chacked with condition, long heart point for some of the chacked of the chacked with condition, do not drop; (6) do not should not all bases of the chacked of the chacked

LR-2



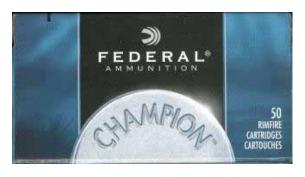
WEANING It was been been been (1) and only interesting in part subtract as a left in relative to the part subtract in the control for 27 Cap Std. (2) introduce, (3) there has not been been been do not an electrical to the control of the control o

LR-3



WARNING: To evod sensus injury; (1) use only accountion in good condition, use only in rectam treatment appost condition merical for .22 (cop fills (LIX cuttidigm; (2) always to use harmle time of any intrustions; the best should be checked in our as all high receit in one assumably sold in week count based doing liming. (2) menty and our present place of a light receit in our assumably sold in week count based doing liming. (2) menty and our present person person of in only distinctions of the first present person of in only distinctions; the present person of in one distinction of the first (3) discharge may could if in an attack handle with contain, to early drag place. (4) and inhost in handle with contain, to early drag place. (5) do not about a transfer of the treatment of the first person of couldness; (7) tables in capable of the relief couldness of the sense of the could large are an object of safety and could so cross a few members of the first of the base of the could be a few or mean concentrations of the fact the destruction, when the canon on cat the could large are an early one and one of the could be a few or the sense of the could be a possible of the production of the fact of the could be a possible of the production of the fact of the could be a possible of the production of the fact of the could be a possible of the production of the fact of the could be a possible of the production of the fact of the could be a possible of the production of the fact of the could be a possible of the production of the fact of the could be a possible of the production of the fact of the could be a possible of the production of the fact of the could be a possible of the production of the fact of the could be a possible of the production of the fact of the could be a possible of the production of the fact of the could be a possible of the production of the fact of the could be a possible of the production of the could be a possible of the producting of the production of the could be a possible of the production

LR-4



WARNING: To avaid serious injury, 11) use only remaintine in good condition; use only in modern linearms in good condition resided for 22 Lang Bitle GRI cartifulges, 170 clause be use barrel in free of any abstraction; the barral should be charted in case of large assets of the condition of the

2010 ShokWave Issues

Similar to FED-24 ShokWavebut different bottom and ends.

LR-1 <u>.22 LONG RIFLE (HYPER VELOCITY).</u> "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 <u>.22 LONG RIFLE (HIGH VELOCITY SHOT).</u> "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 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "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



LR-10Bottom



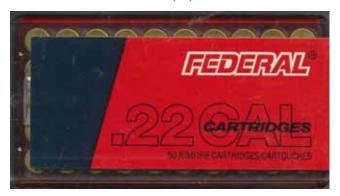
ShokWave Issues 100 PAC Plastic Boxes

LR-1 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "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)



22 WIN MAG Red Label Issues 50 rd Plastic Boxes

WMR-1, 2, & 3





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.





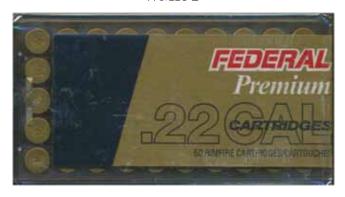
22 WIN MAG Gold Label Issues 50 rd Plastic Boxes

WMR-1





WMR-2





WMR-3





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)



LEAD FREE / NON TOXIC · Features Federal's proprietary zinc solid bullet. · Patented Toxic-Metal Free* primer is completely non-toxic (patent pending). · No hazard of airborne lead or barrel

WARNING: To avoid argary: (1) size only in finearms or good condition marked for 22 long rifle (LR) cartridges. (2) always be sure barrel in firse of any obstruction. (3) wear eye and ear pro-lection; (4) if gun tails to fire, avoid exposure to brench when surkadding and point muzzle in a safe direction; (5) discharge may occur if i ion is struck; bandle with caution, do not dring.

AVERTISSEMENT: Pour éviter tous incidents: (1) utilisez uniquement dans des armes à feu en boi étal marquées au calibre 22 long rifle (LII); (2) assuntz-vous buçours que le canen n'est pas utilistair. (3) portra une protection pour les yeus et les oestiles; (4) si l'arme ne fait pas feu; er vous exposez pos directament à la sorte da la cultasse en vident le fauil et pointer le canos dans une direction sécuritaire. (5) une decharge pourrait sevenir si l'amorcz est frappe; manipulez avec soin, ne pas estrupper.

NON CORROSIVE PRIMERS



Made in the USA/Fabrique Aux États-Unis FEDERAL CARTIFIDUE CO., PROUDE, The Ballisticises and "Federal" is a bademark registered with the US patient office. Ballisticises and Society Federal Cartistipe Company. O E.C.C. 1996

WARNING: KEEP OUT OF REACH ATTENTION: A GARDER HORS OF WARNING: Extended storage at elevated temper may degrade performance and result in mustires. MADE IN USA

LR-2 (1997)





WARNING: To avoid injury: (1) use only in finearms in good condition marked for 22 leng rifle (LR) cartridges. (2) always be sure flavred in fine of any obstruction; (3) what eye and ear protection; (4) if pure fails to fire, avoid exposure to breech when unbraining and point muzzle in a safe direction. (5) discharge may social if nin is struck, bandle with caution, do not drop.

AVERTISSEMENT: Pour evier tous incidents: (1) utiliser uniquement dans des unies à teu ant bon titut marquises au cation 22 long rife (LR); (2) usuince-vrius toujours que le canon n'est pas obstruir. (3) porter une protection pour les yeux et les cretiles; (4) si l'arme ne fait pas feu, né vous exposez pas directement à la bortie da la culanne en vidant le fuuil et pontez le cason dans une direction sécuritaire. (5) une decharge poursait suvenir si l'amorce est frapse muniquiez avec soin, ne pas echapper.

NON CORROSIVE PRIMERS



FEDERAL CARTRIDGE CO., ANOKA, MN 55303 USA "Federal" and "BattotiChean" are trademarks registered with the US patent office.
"Toxic-Metal Free" is a trademark of Federal Cartridge Company. O.F.C.C. 1997

Made in the USA/Fabriqué Aux États-Unis.

WARNING: KEEP OUT OF REACH OF CHILDREN ATTENTION: A GARDER HORS DE PORTÉE DES ENFANTS WARNING: Extended storage at elevated temperature may degrade performance and result in mistires. MADE IN USA

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)





BLISTER PACK

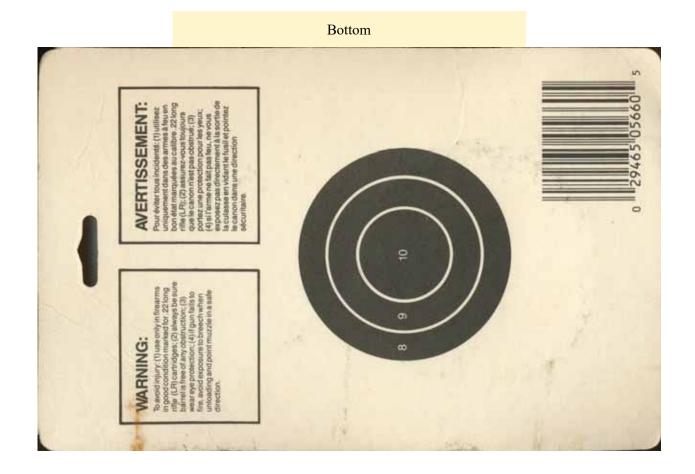
LR-1



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 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "LIGHTENING". A blue card with white and gold printing Load No. 510 on the card and box.



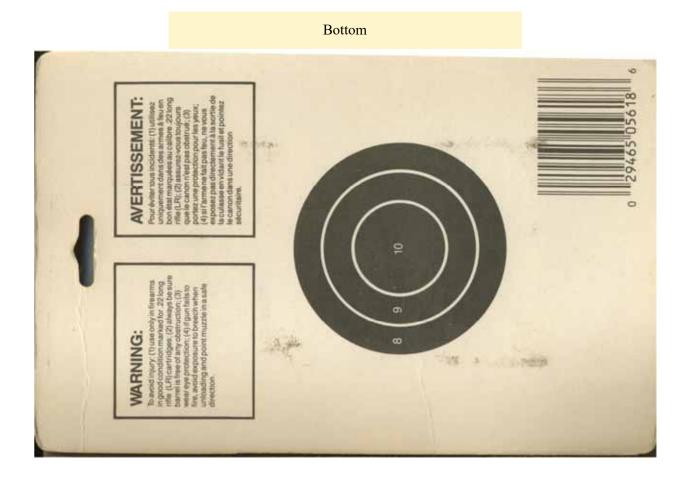
BLISTER PACK

LR-2



BLISTER PACK

LR-2 <u>.22 LONG RIFLE (HYPER VELOCITY).</u> "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.



BLISTER PACK

LR-3



BLISTER PACK

LR-3 <u>.22 LONG RIFLE (STANDARD VELOCITY).</u> "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



NOT FOR RESALE

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















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

BULK PACK NOT FOR RESALE

S-1



LR-1



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 falls to fire, a mechanically delayed firing may occur or gun may fire on opening, causing serious injury. Keep gun pointed in a safe direction. Walt 30 seconds. Carefully unload, avoiding exposure to breech. 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 CORP. Minneapolis, Mn. 55402 "Federal" is Reg. U.S. Pat Off, "Champion" is a trademark of F.C.C.

BULK PACK NOT FOR RESALE

- S-1 <u>.22 SHORT.</u> 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.

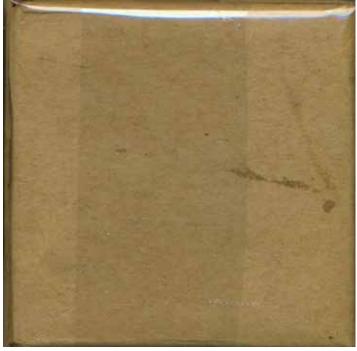
BULK PACK NOT FOR RESALE

LR-4



LR-4.5





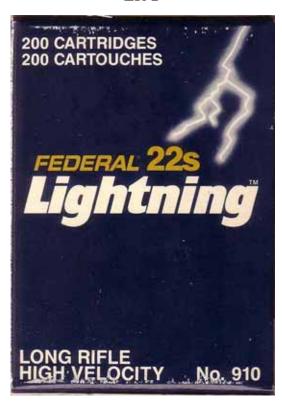
BULK PACK NOT FOR RESALE

LR-2 & LR-3 On next page

- LR-4 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> 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 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> 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

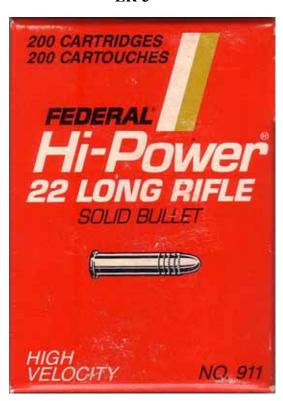
LR-2







LR-3



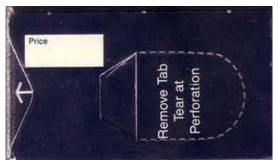




BULK PACK

LR-2 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "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 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "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.





BULK PACK

LR-5



LR-6



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

CARTOUCHES À TIR DE BORD A stocker et à utilitier avec les précautions nécessaires pour votre securité et celle de autres.

AVIS PLOMB: Éviter de tirre les armes dans les endroits mai ventilés, de nettoyer les armes ou de manipuler les munitions pour ne pas s'exposer au plomb, cette substance étant connue pour provoquer des déficiences de naissance, des dommages au système reproductif, et autres graves blessures physiques. Assurer une ventilation adéquate à tout temps. Laver les mains à fond après contact ou avant de manger ou boire.

NON CORROSIVE PRIMING

LOT

Made in the USA Fabriqué Aux États-Unis FEDERAL CARTRIDGE CO.

ANOKA, MN 55303 USA 'Federal' à a trademark registered with the US patent office. © F.C.C. 1996

BULK PACK

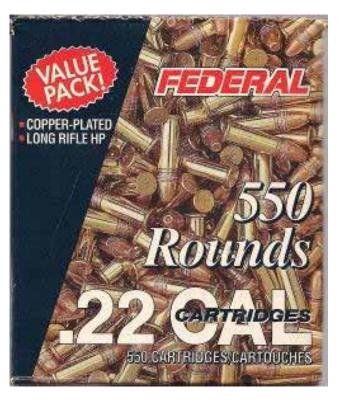
- LR-5 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "LIGHTNING". A clear plastic bag with blue, white and yellow label with blue ,black, white and red printing. Lead bullet loaded in a brass case with a "F-8" h/s. The bag contains one pound (136 cartridges). Load No. 515. Introduced in 19_
- LR-6 <u>.22 LONG RIFLE (HOLLOW POINT).</u> 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.





BULK PACK

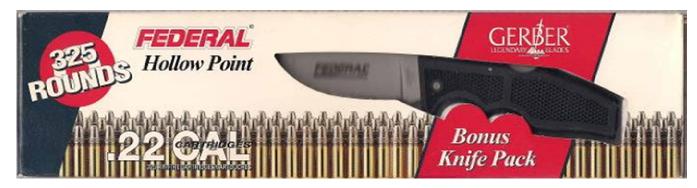
LR-7



LR-8



LR-9

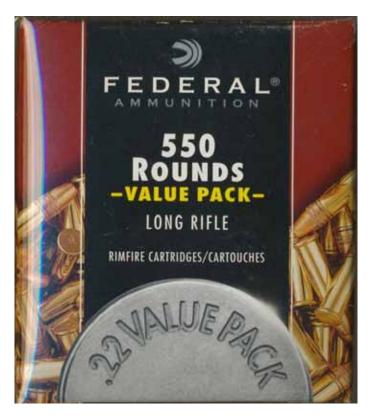


BULK PACK

- LR-7 <u>.22 LONG RIFLE (HOLLOW POINT).</u> 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 <u>.22 LONG RIFLE (HOLLOW POINT).</u> Same color of box and printing as LR-6. This box was introduced in 1997.
- LR-9 <u>.22 LONG RIFLE (HOLLOW POINT). with knife</u>. This "Bonus Knife Pack" Was introduced in 1997 and contains a box of 325 rounds. Same as LR-6(b).

BULK PACK

LR-10

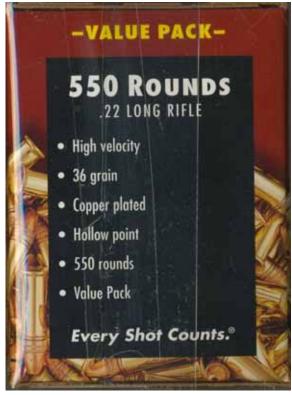




BULK PACK

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)





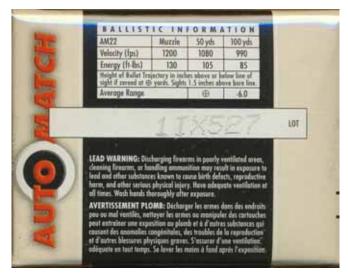
BULK PACK





LR-11.5





BULK PACK

LR-11 <u>.22 LONG RIFLE (TARGET).</u> "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 <u>.22 LONG RIFLE (TARGET).</u> "AUTO MATCH". Same as LR.11 but different back and bottom. (2008)

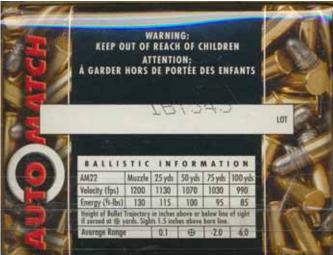




BULK PACK

LR-12



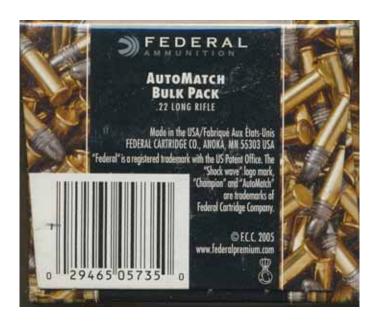






BULK PACK

LR-12 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "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)





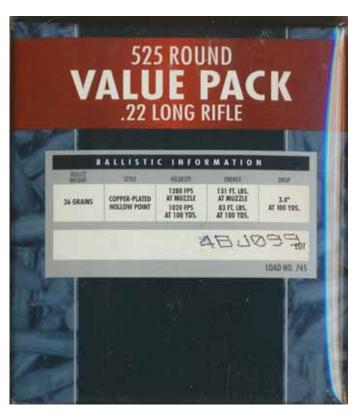
LR-13 <u>.22 LONG RIFLE (HOLLOW POINT).</u> "VALUE PACK". Cartridge images and black one-piece box of 325 rds. black and white printing. Load No. 725. Brass case with "F-8" h/s Copper plated HP bullet.. (2011)





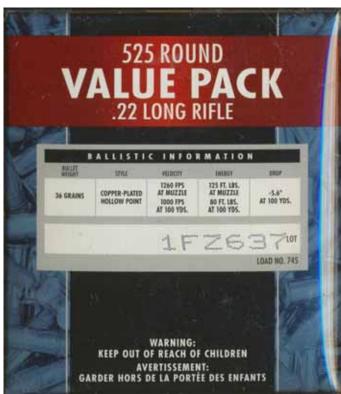
BULK PACK





LR-14.5





BULK PACK

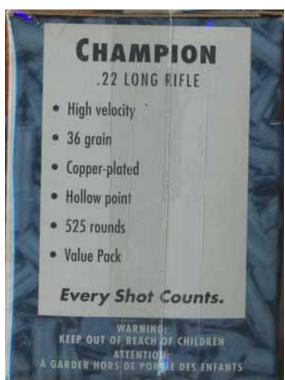
LR-14 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "VALUE PACK". Blue and black one-piece box of 525 rds. black and white printing. Load No. 745. Brass case with "F-8" h/s Copper plated bullet. (2003)





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





BULK PACK





LR-16



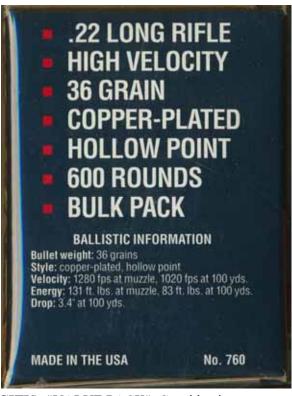


BULK PACK

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

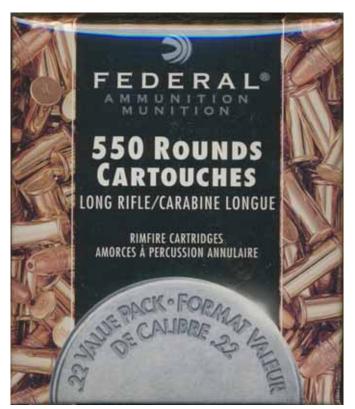
plated bullet. (2000)

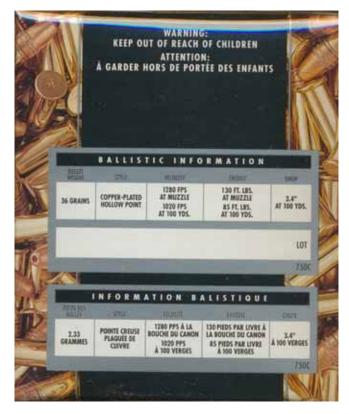




BULK PACK

LR-17

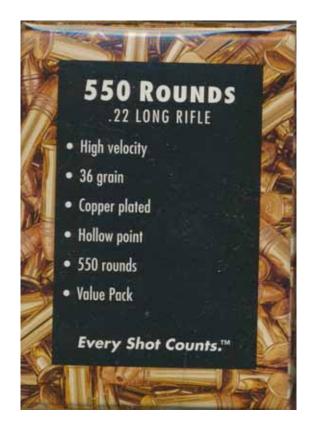




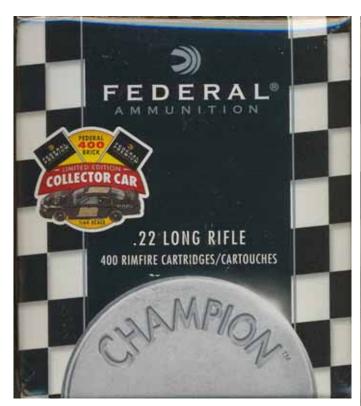
BULK PACK

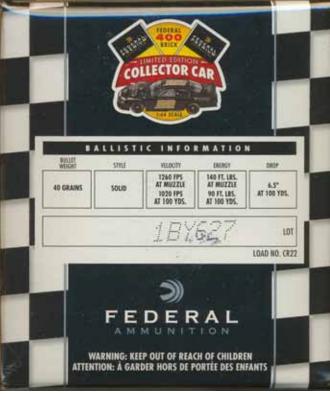
LR-17 <u>.22 LONG RIFLE (HOLLOW POINT-HIGH VELOCITY).</u> "VALUE PACK". Cartridge images and black one-piece box of 550 rds. black and white printing. Load No. 750C. Brass case Copper plated HP bullet.. Bilingual (ENG-FR). Probably produced for export.





BULK PACK





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)





BULK PACK

LR-19









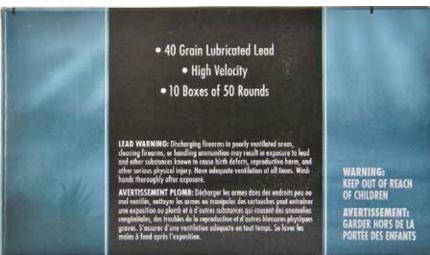
BULK PACK

LR-19 <u>.22 LONG RIFLE (STANDARD VELOCITY).</u> "CABELLAS WOOD BOX w/ CHAMPIONS". 50th Anniversary (1961-20110 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)



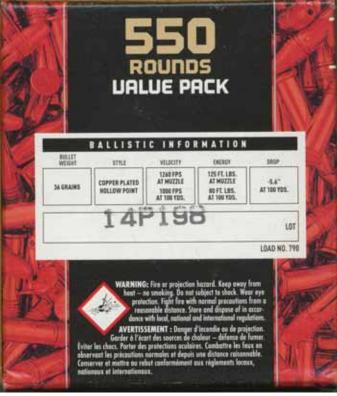






BULK PACK









BULK PACK

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



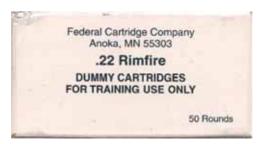


MILITARY and TRAINING

LR-3

1305-00-819-6017 (A086) CTG CAL .22 BALL, LR, HV 50 EA. 81K001-005 WCC

LR-4



LR-5



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 senious physical injury, Have adequate ventilation at all times. Wash hands thoroughly after exposure.

WARNING: To evoid injury (1) use only in Treatme in good condition murked for 22 long ritle (LR) cartridger. (2) shelps the sum barries in their of any obstruction; (3) were new and our representation; (4) if you field to fine, and opportunities the subsection (3) declarage may occur it mis instruct, leadle with calcing, do not drop.

LEAD WARNING: Declaraging treatment in poorty versitated areas, clearing freatment, or handling entirection may result to exposure to lead and other substances known to cause birth defects, reproductive flarm, and other sinears of virtual lines; have deliquate the coupling of their exposure.

WARNING: KEEP OUT OF REACH OF CHILDREN

Manufactured by Federal Cartridge Company, Anaka, MN Made in the USA

MILITARY and TRAINING

LR-3 <u>.22 LONG RIFLE (HIGH VELOCITY).</u> "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 <u>.22 LONG RIFLE. (HIGH VELOCITY)</u> "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. .



MILITARY and TRAINING

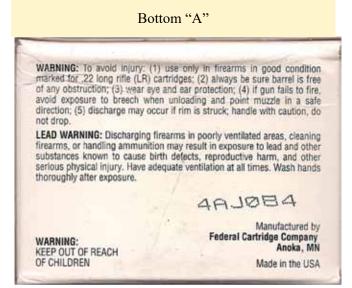


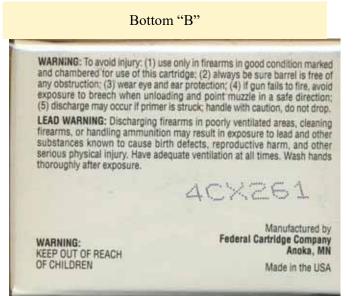
MILITARY and TRAINING

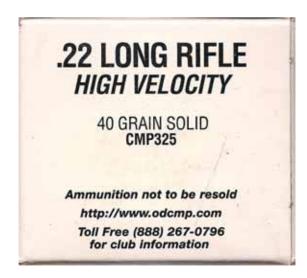
LR-6 <u>.22 LONG RIFLE.(HIGH VELOCITY)</u> "CIVILIAN MARKSMANSHIP PROGRAM". 325 round box. White one-piece box with black printing. "F-8" h/s on a brass case. 40 gr. Solid bullet. Product code CMP325.

Variations:

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







MISC.



MISC.

LR-1 <u>.22 LONG RIFLE (HOLLOW POINT).</u> "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.