

STATE OF NEW MEXICO
COUNTY OF SANTA FE
FIRST JUDICIAL DISTRICT

STATE OF NEW MEXICO,

PLAINTIFF,

VS.

ALEXANDER RAE BALDWIN III,

DEFENDANT.

No. D-0101-CR-2024-0013
Judge Mary Marlowe Sommer

DEFENDANT ALEC BALDWIN'S MOTION TO DISMISS THE INDICTMENT COMBINED
EXHIBIT SET 9 OF 10

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EXHIBIT 30

LABORATORY DIVISION SUPPORTING DOCUMENTATION ENVELOPE

Case ID/ Sub AQ-3514414-20

1A Serial # 1A20

1 of 1

Please Print Clearly

The Enclosed material for BOYLE A. FIEGLER supports Laboratory Report AQ-3514414
Name Case ID, Sub and Serial

Lab Number(s) 2021-02245-3
Or W/O Number _____

Description of Enclosures

10 - FTU LAB REPORT
4 - Incoming # 1
5 - Incoming # 3
51 - DRAFT NOTES FOR TR ONLY

- _____ Chain of Custody
- _____ Communication and Activity Log
- 57 _____ Notes
- _____ Instrument Print Outs, Charts, Gr
- _____ Negatives
- _____ Photographs
- _____ ECS Search Slip
- _____ Shipping Invoice

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FBI Laboratory

2501 Investigation Parkway
Quantico, Virginia 22135

4940 Fowler Road
Huntsville, Alabama 35898

LABORATORY REPORT

To: JOSE CORTEZ
Special Agent
Albuquerque

Date: July 26, 2022

Case ID No.: AQ-3514414

Lab No.: 2021-02245-3

Communication(s): October 28, 2021; December 14, 2021

Agency Reference(s):

Subject(s):

Victim(s): Halyna Hutchins

Discipline(s): Firearms/Toolmarks

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FBI Laboratory Evidence Designator(s):

- Item 1 Bullet from Joel Souza (1B4, E6842164; SFSO Item #25)
- Item 2 Revolver (1B1, E6842161; SFSO Item #1)
- Item 3 Cartridge case from top of cart (1B3, E6842163; SFSO Item #3)
- Item 4 Cartridge from top of cart (1B5, E6842165; SFSO Item #26)
- Item 5 Cartridge from top of cart (1B5, E6842165; SFSO Item #26)
- Item 6 Cartridge from bandolier on top of cart (1B6, E6842166; SFSO Item #27)
- Item 7 Cartridge from holster inside building (1B7, E6842167; SFSO Item #28)
- Item 8 Ammunition box (1B2, E6842162; SFSO Item #2)
- Item 9 Tray from Item 8 Ammunition box (1B2, E6842162; SFSO Item #2)
- Item 10 Cartridges from Item 9 Tray (1B2, E6842162; SFSO Item #2)
- Item 11 Ammunition box (1B2, E6842162; SFSO Item #2)
- Item 12 Tray from Item 11 Ammunition box (1B2, E6842162; SFSO Item #2)

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Item 13 Cartridges from Item 12 Tray (1B2, E6842162; SFSO Item #2)
Item 13-1 Cartridge from Item 12 Tray (1B2, E6842162; SFSO Item #2)
Item 13-2 Cartridges from Item 12 Tray (1B2, E6842162; SFSO Item #2)
Item 13-2-1 Cartridge from Item 12 tray (1B2, E6842162; SFSO Item #2)
Item 13-2-2 Cartridge from Item 12 Tray (1B2, E6842162; SFSO Item #2)
Item 13-3 Cartridges from Item 12 Tray (1B2, E6842162; SFSO Item #2)
Item 13-3-1 Cartridge from Item 12 Tray (1B2, E6842162; SFSO Item #2)
Item 13-3-2 Cartridge from Item 12 Tray (1B2, E6842162; SFSO Item #2)
Item 20 Box with tape from prop truck (SFCSO Item #140) (1B12, E6842262)
Item 20-1 Tray from Item 20 Box with tape (SFCSO Item #140) (1B12, E6842262)
Item 21 Cartridges from Item 20 Box with tape (SFCSO Item #140) (1B12, E6842262)
Item 21-1 Cartridge from Item 21 (SFCSO Item #140) (1B12, E6842262)
Item 21-2 Cartridge from Item 21 (SFCSO Item #140) (1B12, E6842262)
Item 21-3 Cartridge from Item 21 (SFCSO Item #140) (1B12, E6842262)
Item 22 Cartridge from Item 20 Box with tape (SFCSO Item #140) (1B12, E6842262)
Item 23 Cartridge provided by Seth Kenney (SFCSO Item #210) (1B15, E6842265)
Item 24 Cartridges provided by Seth Kenney (SFCSO Item #211) (1B16, E6842266)
Item 24-1 Cartridge from Item 24 (SFCSO Item #211) (1B16, E6842266)
Item 25 Cartridges provided by Seth Kenney (SFCSO Item #211) (1B16, E6842266)
Item 25-1 Cartridge from Item 25 (SFCSO Item #211) (1B16, E6842266)
Item 26 Ammunition box from box at 126 Monroe Street (SFCSO Item #233) (1B19, E6842269)
Item 27 Tray from Item 26 Ammunition box (SFCSO Item #233) (1B19, E6842269)
Item 28 Cartridges from Item 27 Tray (SFCSO Item #233) (1B19, E6842269)
Item 28-1 Cartridge from Item 28 (SFCSO Item #233) (1B19, E6842269)
Item 28-2 Cartridge from Item 28 (SFCSO Item #233) (1B19, E6842269)
Item 29 Ammunition box from box at 126 Monroe Street (SFCSO Item #233) (1B19, E6842269)
Item 30 Tray from Item 29 Ammunition box (SFCSO Item #233) (1B19, E6842269)
Item 31 Cartridges from Item 30 Tray (SFCSO Item #233) (1B19, E6842269)

- Item 32 Cartridge from box at 126 Monroe Street (SFCSO Item #234) (1B20, E6842270)
- Item 33 Cartridge from box at 126 Monroe Street (SFCSO Item #235) (1B21, E6842271)
- Item 34 Cartridges from box at 126 Monroe Street (SFCSO Item #235) (1B21, E6842271)
- Item 34-1 Cartridge from Item 34 (SFCSO Item #235) (1B21, E6842271)
- Item 34-2 Cartridge from Item 34 (SFCSO Item #235) (1B21, E6842271)
- Item 35 Cartridge from box at 126 Monroe Street (SFCSO Item #236) (1B22, E6842272)
- Item 36 Cartridges from box at 126 Monroe Street (SFCSO Item #236) (1B22, E6842272)
- Item 37 Cartridges from box at 126 Monroe Street (SFCSO Item #236) (1B22, E6842272)
- Item 43 FTU Secondary Evidence (12 bullets, 12 cartridge cases, 1 barrel cast, 2 live cartridges with toolmarks, 5 fired primed cartridge cases)

The results of the firearms examinations are included in this report.

Results of Examinations:

Firearm

Item 2 is a .45 Colt (.45 Long Colt) caliber F.lli Pietta single-action revolver, Model 1873 SA (Californian), Serial Number E52277, which functioned normally when tested in the Laboratory. Item 2 contains $\frac{1}{4}$ and $\frac{1}{2}$ cock manual safeties, which are intended to prevent slippage of the hammer during cocking and the release of the hammer by a normal pull of the trigger. Additionally, Item 2 has a hammer with a fixed firing pin and does not contain any internal safety mechanisms to prevent the firing pin from striking the primer of a chambered cartridge, such as a transfer bar or hammer block. This is consistent with normal operation for a single-action revolver of this design.

A National Integrated Ballistic Information Network (NIBIN) search was not conducted on Item 2 due to revolver-type cartridge case images not being entered into the database.

Microscopic Comparisons

Item 1 is a .44/.45 caliber lead, flat nose bullet which was fired from a barrel rifled with a right twist and was significantly damaged at the time of examination. A pattern examination of

the Item 1 bullet compared to the Item 2 revolver was inconclusive due to damage and a lack of sufficient corresponding microscopic marks of value.

Item 3 is a .45 Colt caliber cartridge case which bears the headstamp of Starline brass. The Item 3 cartridge case was identified as having been fired in the Item 2 revolver.

Accidental Discharge Testing

Hammer at rest (de-cocked on a loaded chamber)

With the hammer at rest on a loaded chamber, Item 2 detonated a primer without a pull of the trigger when the hammer was struck directly. With a revolver of this design, when the hammer is at rest on a loaded chamber, the firing pin sits directly on the primer of the cartridge. When force is applied to the hammer, such as striking or dropping, it can fire the cartridge without a pull of the trigger. This is consistent with normal operation for a single-action revolver of this design.

Hammer at ¼ and ½ cock positions

With the hammer in the ¼ and ½ cock positions, Item 2 could not be made to fire without a pull of the trigger. When enough pressure was applied to the trigger, each of these safety positions were overcome and the hammer fell. This is consistent with normal operation for a single-action revolver of this design.

With the hammer in the ¼ cock position, pressure was applied to the trigger and the hammer fell, however the firing pin did not have enough force to detonate the primer and resulted in light firing pin strikes.

With the hammer in the ½ cock position, pressure was applied to the trigger and the hammer fell, however the cylinder could not be properly aligned to the bore, the firing pin struck the outer headstamp area and did not detonate the primer.

Hammer at full cock position

With the hammer in the full cock position, Item 2 could not be made to fire without a pull of the trigger while the working internal components were intact and functional. During this testing, portions of the trigger sear and cylinder stop fractured while the hammer was struck. The fracture of these internal components allowed the hammer to fall and the firing pin and detonated the primer. This was the only successful discharge during this testing and it was attributed to the fracture of internal components, not the failure of the firearm or safety mechanisms.

Ammunition

For the purposes of this report, the following ammunition definitions will be used:

Cartridge: A single round of ammunition consisting of the case, primer and propellant with or without one or more projectiles. Also applies to a shotshell.¹

Functional live cartridge: A single unit of ammunition consisting of the case, primer, propellant, and projectile.

Dummy cartridge: An inert cartridge which cannot be fired under any circumstances. In America, an inert cartridge for gun functioning is usually black oxidized and may or may not have holes in the side wall of the case. An inert cartridge for display may be natural colored and should have a hole in the primer cup with holes in the side wall of the case optional.¹

Blank cartridge: A cartridge loaded without a projectile designed to produce a loud noise. Often sealed at the mouth with a cardboard, plastic or fiber wad which is propelled from the muzzle with a dangerous force for a short distance when fired.¹

Items 4 through 7 are .45 Colt (.45 Long Colt) caliber cartridges which bear the headstamp of Starline brass. The Item 4 through 7 cartridges contain the design and components of functional live cartridges.

Item 10 consists of fifty .45 Colt caliber cartridges which bear the headstamp of Starline brass. The Item 10 cartridges are physically consistent with blank cartridges.

Item 13 consists of two .44-40 caliber cartridges which bear the headstamp of Starline brass. The Item 13 cartridges are physically consistent with dummy cartridges.

Item 13-1 is a .45 Colt caliber cartridge which bears the headstamp of Starline brass. The Item 13-1 cartridge contains the design and components of functional live cartridges.

Item 13-2 consists of four .45 Colt caliber cartridges which bear the headstamp of Starline brass. Two cartridges were sub-divided from Item 13-2 for disassembly and were designated Items 13-2-1 and 13-2-2. The Item 13-2 cartridges are physically consistent with dummy cartridges. The Item 13-2-1 and 13-2-2 cartridges contain the design and components of dummy cartridges.

Item 13-3 consists of thirty .45 Colt caliber cartridges which bear the headstamp of Starline brass. Two cartridges were sub-divided from Item 13-3 for disassembly and were designated Items 13-3-1 and 13-3-2. The Item 13-3 cartridges are physically consistent with

¹ <https://saami.org/saami-glossary>, © 2022 Sporting Arms and Ammunition Manufacturers' Institute, Inc. All rights reserved

dummy cartridges. The Item 13-3-1 and 13-3-2 cartridges contain the design and components of dummy cartridges.

Item 21 consists of fifteen .45 Colt caliber cartridges which bear the headstamp of Starline brass. Two cartridges were sub-divided from Item 21 for disassembly and were designated Items 21-2 and 21-3. The Item 21 cartridges are physically consistent with dummy cartridges. The Item 21-2 and 21-3 cartridges contain the design and component of dummy cartridges.

Item 21-1 is a .45 Colt caliber cartridge which bears the headstamp of Starline brass. The Item 21-1 cartridge is physically consistent with dummy cartridges.

Item 22 is a .45 Colt caliber cartridge which bears the headstamp of Starline brass. The Item 22 cartridge contains the design and components of dummy cartridges.

Item 23 is a .45 Colt caliber cartridge which bears the headstamp of Winchester ammunition. The Item 23 cartridge was reported as being a live exemplar from the manufacturer and is physically consistent with functional live cartridges.

Item 24 consists of three .45 Colt caliber cartridges which bear the headstamp of Starline brass. One cartridge was sub-divided from Item 24 for disassembly and was designated Item 24-1. The Item 24 cartridges were reported as being live exemplars from the manufacturer and are physically consistent with functional live cartridges. The Item 24-1 cartridge contains the design and components of functional live cartridges.

Item 25 consists of three .45 Colt caliber cartridges which bear the headstamps of Starline brass, CBC/Magtech, and Fiocchi ammunition. One cartridge was sub-divided from Item 25 for disassembly and was designated Item 25-1. The Item 25 cartridges were reported as being live exemplars from the manufacturer and are physically consistent with functional live cartridges. The Item 25-1 cartridge contains the design and components of functional live cartridges.

Item 28 consists of nine .45 Colt caliber cartridges which bear the headstamps of Starline brass, Black Hills, and Sellier & Bellot ammunition. Two cartridges were sub-divided from Item 28 for disassembly and were designated Items 28-1 and 28-2. The Item 28 cartridges were reported as being live exemplars from the manufacturer and are physically consistent with functional live cartridges. The Item 28-1 and 28-2 cartridges contain the design and components of functional live cartridges.

Item 31 consists of fifty .45 Colt caliber cartridges which bear the headstamps of Starline brass, Black Hills, Western, Remington, and Armscor ammunition. The Item 31 cartridges were reported as being live exemplars from the manufacturer and are physically consistent with functional live cartridges.

Item 32 is a .45 Colt caliber cartridge which bears the headstamp of Black Hills ammunition. The Item 32 cartridge was reported as being a live exemplar from the manufacturer and is physically consistent with functional live cartridges.

Item 33 is a .45 Colt caliber cartridge which bears the headstamp of Starline brass. The Item 33 cartridge was reported as being a live exemplar from the manufacturer and is physically consistent with functional live cartridges.

Item 34 consists of four .45 Colt caliber cartridges which bear the headstamp of Starline brass. Two cartridges were sub-divided from Item 34 for disassembly and were designated Items 34-1 and 34-2. The Item 34 cartridges were reported as being live exemplars from the manufacturer and are physically consistent with functional live cartridges. The Item 34-1 and 34-2 cartridges contain the design and components of functional live cartridges.

Item 35 is a .45 Colt caliber cartridge which bears the headstamp of Armscor ammunition. The Item 35 cartridge was reported as being a live exemplar from the manufacturer and is physically consistent with functional live cartridges.

Item 36 consists of four .45 Colt caliber cartridges which bear the headstamp of Armscor ammunition. The Item 36 cartridges were reported as being live exemplars from the manufacturer and are physically consistent with functional live cartridges.

Item 37 consists of four .45 Colt caliber cartridges which bear the headstamp of Armscor ammunition. The Item 37 cartridges were reported as being live exemplars from the manufacturer and are physically consistent with functional live cartridges.

Toolmarks were observed on the Item 10, 13, 13-2 (13-2-1, 13-2-2), 13-3 (13-3-1, 13-3-2), 21 (21-1, 21-2, 21-3), and 22 cartridges that are physically consistent with being produced by a primer press and shell holder. However, no determination could be made as to whether these toolmarks were produced by ammunition assembly, reloading, or commercial ammunition manufacturing. It should be noted that Starline only manufactures brass (cartridge cases) which must be loaded/assembled by another source.

Miscellaneous

The Item 8, 9, 11, 12, 20, 20-1, 26, 27, 29, and 30 ammunition boxes and trays were not examined in the Firearms/Toolmarks Unit.

Methods:

Firearms Function

The make, model, and caliber of a firearm are normally determined by directly observing manufacturer markings on the firearm in question. When these are not present, published

materials and firearms in the Laboratory's Reference Firearms Collection may be used to make determinations.

Unless otherwise noted, submitted firearms are test fired:

- 1) in the condition they are received in the Firearms/Toolmarks Unit,
- 2) with ammunition from the Laboratory's Reference Ammunition File,
- 3) in a manner that allows for testing of available modes of fire such as manual safety engaged, manual safety disengaged, single action, double action, semi-automatic, fully automatic, etc.

Pattern Examination

Toolmarks, whether they are present on evidence items or secondary evidence created in the Laboratory, undergo two stages of comparison. First, the class characteristics are reviewed and compared. If the class characteristics of the toolmarks are not clearly different, the examination moves to a second stage using comparative microscopy.

A microscopic comparison examination consists of a search of the impressed and striated marks present in two toolmarks to determine if patterns of similarity exist. At the completion of these comparisons, one of the following three opinions is issued:

1) Source Exclusion

Source exclusion is an Examiner's conclusion that two toolmarks did not originate from the same source. This conclusion is an Examiner's opinion that the observed difference(s) in class characteristics provides extremely strong support for the proposition that the two toolmarks came from different sources and extremely weak or no support for the proposition that the two toolmarks came from the same source. A source exclusion based on a minor difference in measured class characteristics requires a verification.

2) Source Identification

Source identification is an Examiner's conclusion that two toolmarks originated from the same source. This conclusion is an Examiner's opinion that all observed class characteristics are in agreement and the quality and quantity of corresponding individual characteristics is such that the Examiner would not expect to find that same combination of individual characteristics repeated in another source. The basis for a source identification conclusion is an Examiner's opinion that the observed class characteristics and corresponding individual characteristics provide extremely strong support for the proposition that the two toolmarks originated from the same source and extremely weak support for the proposition that the two toolmarks originated from different sources. A source identification requires a verification and is the Examiner's opinion that the probability that the two toolmarks were made by different sources is so small that it is negligible.

3) Inconclusive (No Conclusion)

Inconclusive is an Examiner's conclusion that all observed class characteristics are in agreement but there is insufficient quality and/or quantity of corresponding individual characteristics such that the Examiner is unable to identify or exclude the two toolmarks as having originated from the same source. This conclusion is an Examiner's opinion that there is an insufficient quality and/or quantity of individual characteristics to identify or exclude. Reasons for an inconclusive conclusion include the presence of microscopic similarity that is insufficient to form the conclusion of source identification, or a lack of any observed microscopic similarity.

Accidental Discharge

An accidental discharge test is conducted in all modes of fire for a particular firearm, utilizing a primed cartridge case or shotshell case. The firearm is struck with a rawhide or similar styled mallet on its six planes: front of muzzle, butt plate, top of breech and chamber, bottom of trigger guard and frame and both sides of the receiver/frame. If necessary, tests can be undertaken in order to attempt to duplicate the conditions under which the firearm discharged.

Physical and Visual Examinations

Physical and visual evaluations compare the physical and class characteristics of evidence items. A conclusion of "physically consistent with" is reached if the observable or measurable physical dimensions and/or design features of two items are in agreement or are "physically consistent." If these dimensions and features are clearly different, an elimination conclusion is reached. If there is a lack of observable design features or measurable dimensions, the result is inconclusive.

Limitations:

Firearms Function

The results of firearms function examinations describe the operating condition of the firearm as received in the Firearms/Toolmarks Unit.

Pattern Examination

Firearms/Toolmark Identification is an empirical science that relies on objective measurements and a subjective comparison of microscopic marks of value. Due to variation in substrate, changes in tool working surfaces from wear, corrosion, and damage, or the employment of unusual tool/work piece orientations, it may not be possible for an Examiner to reach a source conclusion. Additionally, some tool manufacturing methods routinely produce working surfaces that leave limited microscopic marks of value. Damaged, corroded, or fragmented items may be of little or no value for comparison purposes.

Accidental Discharge

When an accidental discharge examination is performed, it may not be possible to recreate or duplicate all of the circumstances which led to the discharge of a firearm without a pull of the trigger.

Physical and Visual Examinations

A Physical and Visual Evaluation examination is unsuitable for determining a source identification conclusion. A conclusion of "physically consistent with" signifies a restricted group source, based on class characteristics and/or observable features, from which evidence may have originated. Post-manufacture features cannot be used for elimination purposes.

Remarks:

Per communication with SA Jose Cortez on November 16, 2021, the microscopic comparisons of manufacturing toolmarks observed on ammunition components were discontinued at the FBI Laboratory.

For questions about the content of this report, please contact Forensic Examiner Bryce A. Ziegler at 703-632-7887 or baziegler2@fbi.gov.

For questions about the status of your submission, including any remaining forensic examinations, please contact Elizabeth K. Small at 703-632-7152.

The evidence, which includes secondary evidence, will be returned under separate cover.

This report conforms to the "Department of Justice Uniform Language for Testimony and Reports for the Forensic Firearms/Toolmarks Discipline - Pattern Examinations".

This report contains the opinions and interpretations of the issuing examiner(s) and is supported by records retained in the FBI Laboratory files. Please allow a minimum of thirty days from the date of a discovery request for the FBI Laboratory to provide the related materials. The FBI cannot ensure timely delivery of discovery requests received in less time.

The work described in this report was conducted at the Quantico Laboratory.

Bryce A. Ziegler
Firearms/Toolmarks Unit

(04/15/21)

FTD Firearms Worksheet

Date: 4/8/2022 /Preparer: Gilpin, Megan
Laboratory #: 2021-02245-3 /Item(s): 2
Packaging: Sealed box

Examiner: Ziegler, Bryce

General Description:

Make: F.lli Pietta (Italy), Imported by Early and Modern Firearms (EMF)		Model: 1873 SA, imported as model SA Californian		Cal: .45 Colt (.45 Long Colt)	
Type: Revolver, single action		Safety: ¼ cock, ½ cock		SN: E52277	
Bf: Parallel, some crosshatch		FPI: Hemispherical		Ejt: N/A o'clock	Ext: N/A o'clock
Marked: Trigger guard and barrel			BL: 7 ½ in.		OAL: 13 1/16 in.
Performance Check: #16 ruler OK 6/14/22 BZ		Instrument(s): F2714087			
Rifling: 6 right		LI width: 0.064-0.068 in.		GI width: 0.159-0.161 in.	
Subclass: None observed, no impact		EOMM: MOV – cartridge case, bullets			
3D instrument entry: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes, see entry date				Entry date: N/A	

Function & TP examinations:

FNWTF: Yes		Note: N/A	
Mag: <input checked="" type="checkbox"/> N/A <input type="checkbox"/> RFC mag <input type="checkbox"/> Other		Cap: visually inspected, see Count	
Mag Item #: N/A - cylinder		Count: 6	
SA: 2-2 ½ lbs.		DA: N/A lbs.	

Database Searches:


NIBIN: No, revolver type	Note: N/A
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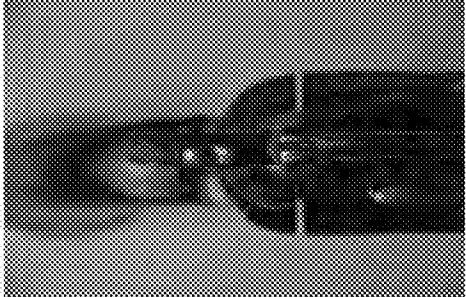
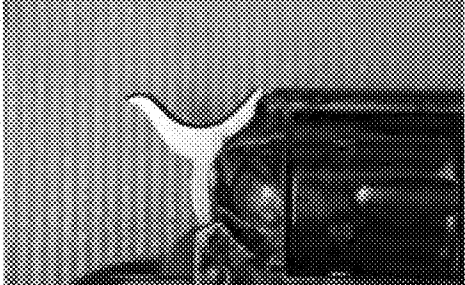
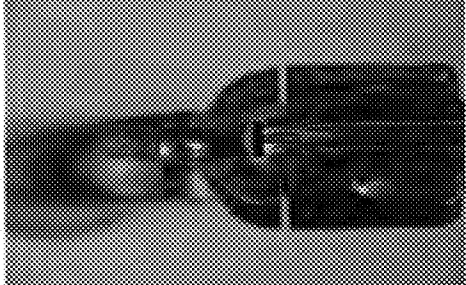


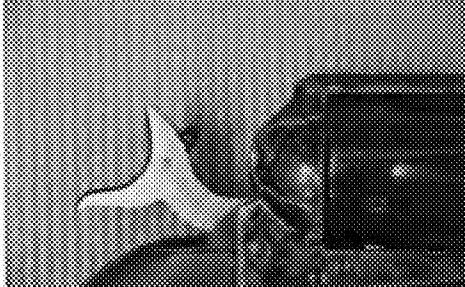
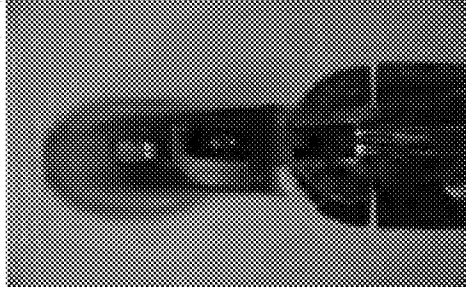
Item 2 is a .45 Colt (.45 Long Colt) caliber F.lli Pietta revolver, Model 1873 SA (Californian)

(04/15/21)

FTD Firearms Worksheet

Date: 4/8/2022 /Preparer: Gilpin, Megan 
Laboratory #: 2021-02245-3 /Item(s): 2
Packaging: Sealed box

Examiner: Ziegler, Bryce

Hammer at rest		
1/4 cock position		
1/2 cock position		
Full cock position		

Photographs depicting the various stages of cocking the hammer of the Item 2 revolver

(04/15/21)

FTD Firearms Worksheet

Date: 4/8/2022 / Preparer: Gilpin, Megan *MG*
Laboratory #: 2021-02245-3 / Item(s): 2
Packaging: Sealed box

Examiner: Ziegler, Bryce

Accidental discharge testing (¼ and ½ cock):

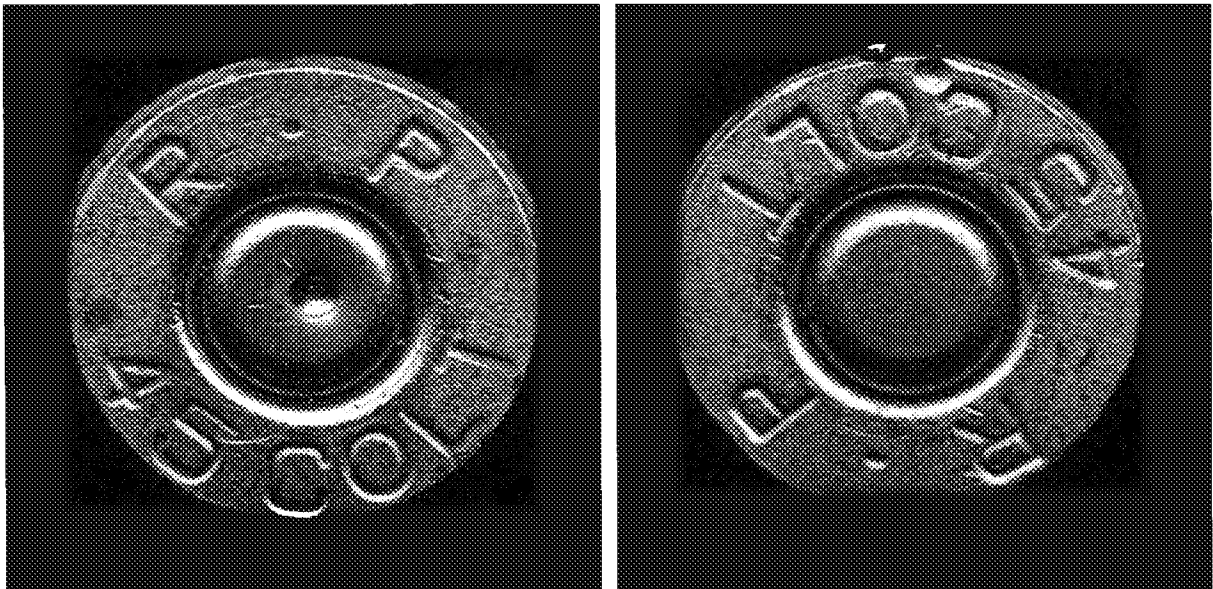
The ¼ and ½ cock safety notches could be overcome by applying enough pressure to the trigger, this was measured to be approximately 11-11 ½ pounds using arsenal weights. The two safety notches were tested to determine if overcoming the safeties with trigger pressure would provide enough force for the firing pin to detonate a primer. **This is consistent with normal operation for a single-action revolver of this design (see next page).**

In the ¼ cock setting: the trigger was squeezed until the hammer fell, which created a light firing pin strike. This process was repeated with the same cartridge ten times to determine if repeated strikes on the same primer would detonate the primer, which it did not.

In the ½ cock setting: the trigger was squeezed until the hammer fell and the firing pin struck the cartridge on the outer headstamp area, not the primer. This was attempted three times and it was determined that it was not physically possible for the firing pin to strike the primer from this position. The cylinder could not be made to be "in time"/in alignment with the bore. Additionally, it was not possible to manually rotate the cylinder into alignment due to the cylinder stop notches in the cylinder.

Result: The firearm could not be made to fire the cartridge with the hammer in the ¼ and ½ cock setting.


BZ 7/12/22



Light firing pin strike observed after ¼ cock testing (left), firing pin strikes from ½ cock position on outer headstamp region (right, firing pin strikes at 12 o' clock position)

(04/15/21)

FTD Firearms Worksheet

Date: 4/8/2022 /Preparer: Gilpin, Megan 
Laboratory #: 2021-02245-3 /Item(s): 2
Packaging: Sealed box

Examiner: Ziegler, Bryce



.45 Colt (.45 Long Colt) caliber Colt revolver, Model 1873 (similar style firearm to Item 2)


***Note:** Colt model 1873 single-action revolver is a similar design to the Item 2 revolver. The $\frac{1}{4}$ and $\frac{1}{2}$ cock safeties were able to be defeated by pulling the trigger on the RFC revolver.

These notches are designed to act as safeties if the hammer slips during cocking and can prevent the firing pin from striking the primer. However, they are not considered safeties for carry conditions and it is recommended that firearms of this type are carried with the hammer at rest on an empty chamber. This firearm does not contain any internal passive safeties, such as a transfer bar or hammer block. This is consistent with the design and function of the Item 2 revolver, as well as the information found in the owner's manual for Item 2 (attached to notes).

The $\frac{1}{4}$ and $\frac{1}{2}$ cock safeties on Item 2 being able to be defeated with enough pressure on the trigger is consistent with normal operation for a single-action revolver of this design.

(04/15/21)

FTD Firearms Worksheet

Date: 4/8/2022 /Preparer: Gilpin, Megan 
Laboratory #: 2021-02245-3 /Item(s): 2
Packaging: Sealed box

Examiner: Ziegler, Bryce

Accidental discharge testing (full cock):

The firearm was clamped into a remote firing platform due to safety concerns during the accident discharge testing and to prevent dropping the firearm and inflicting additional damage during the examination. The firearm was struck multiple times with a rawhide mallet on all 6 planes in the following order: top of frame, left side of frame/cylinder, right side of frame/cylinder, front of muzzle, hammer/butt area, and bottom of trigger guard and frame. Primed cartridge cases were used for this testing (powder and projectile removed).

Most of these strikes resulted in no change to the hammer position. During some strikes, the hammer fell from the sear notch, however in all of these instances (except for one – see next paragraph) the hammer became engaged by the ½ cock safety and did not fire the primed cartridge case.

As the testing/striking proceeded in the order described above, the hammer was struck multiple times and during one attempt, it released to successfully fire the primed cartridge case. After this, the hammer could no longer be engaged by the sear. It was expected that the trigger sear or sear notch of the hammer was fractured due to being struck with the mallet.

After the presumed breakage of internal components, the testing continued using the ½ cock notch. The cylinder was able to be aligned to the bore due to internal parts being broken. The firearm was struck on the bottom of the trigger guard and frame/grip. The firearm could not be made to discharge with the hammer in this position. During this testing, the trigger guard was bent which prohibited movement of the trigger.

Result: The only successful discharge during testing was attributed to the fracture of internal components, not the failure of the firearm or safety mechanisms. The firearm could not be made to fire without a pull of the trigger while the working internal components were intact and functional.

 7/12/22

(04/15/21)

FTD Firearms Worksheet

Date: 4/8/2022 /Preparer: Gilpin, Megan
Laboratory #: 2021-02245-3 /Item(s): 2
Packaging: Sealed box

Examiner: Ziegler, Bryce

Fracture of internal parts as a result of testing:

After this testing, the firearm was inoperable. The hammer could no longer cock or be engaged by the sear, the cylinder would not rotate, the trigger guard was bent, and the trigger could not move. The trigger guard was reshaped using a punch and the firearm was disassembled to review the extent of the damage. After disassembly, it was noted that the trigger sear and a portion of the cylinder stop/bolt were fractured.



Item 2 cylinder stop/bolt (top left) and trigger sear (bottom left) are fractured, hammer (right) is intact

***Note:** The fracturing of the cylinder stop/bolt prohibited the lowering of the cylinder stop. This in turn did not allow the cylinder to rotate as the hammer was cocked. Because of this, the hammer could only be cocked a small amount in its current condition and the hand was unable to rotate the cylinder, because it was locked in place by the cylinder stop. The sear portion of the trigger also fractured which prevented proper engagement of the trigger and the hammer. The three sear/safety notches of the hammer were intact. The firearm was reassembled in its current condition. The two fractured pieces were retained and repackaged with the firearm.

***Note:** The final two tests were conducted after the mechanical breakage, however this did not affect the function of the firearm for these two tests (see following pages), as the hammer and cylinder could be properly positioned to conduct these tests.

(04/15/21)

FTD Firearms Worksheet

Date: 4/8/2022 /Preparer: Gilpin, Megan
Laboratory #: 2021-02245-3 /Item(s): 2
Packaging: Sealed box

Examiner: Ziegler, Bryce

Accidental discharge testing (hammer at rest):

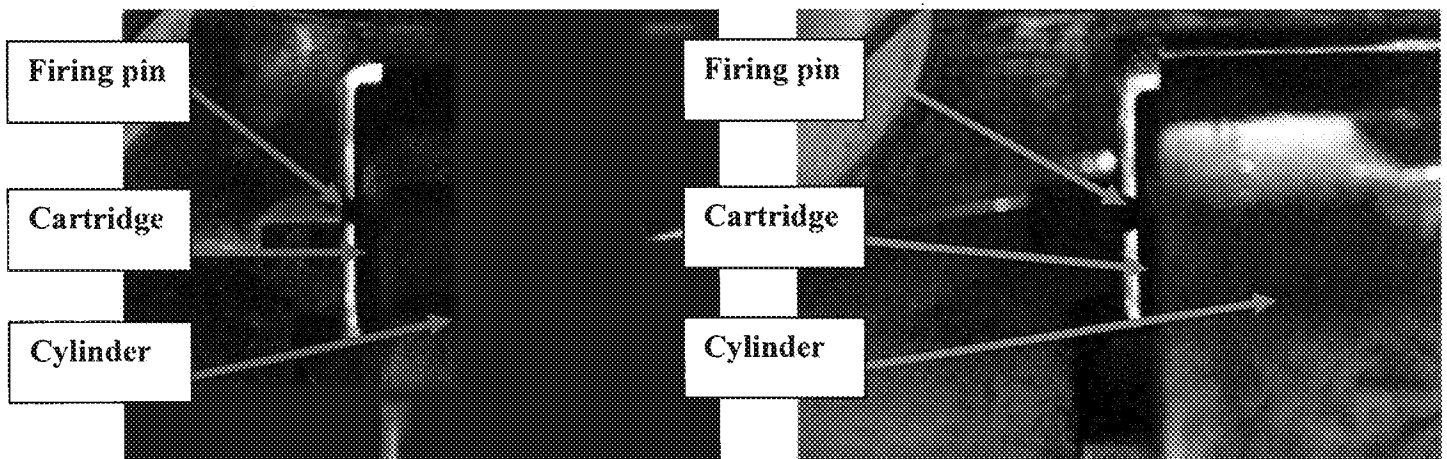
The cylinder was loaded with a primed cartridge case and the hammer was de-cocked and rested on the live primer. The firearm was struck on all six planes and it did not fire. Lastly, the hammer was struck which detonated the primer. With a revolver of this design, when the hammer is at rest on a loaded chamber, the firing pin rests directly on the primer of the cartridge. The firing pin is in a fixed relationship to the hammer (pinned in place). When force is applied to the hammer, such as striking or dropping, the cartridge can fire. Item 2 does not contain an internal safety mechanism to prevent the firing pin from striking the primer, such as a transfer bar or hammer block. **This is consistent with normal operation for a single-action revolver of this design.**

Result: With the hammer at rest on a loaded chamber, Item 2 was able to be made to fire without a pull of the trigger.

BADZ 7/12/22

The owner's manual (attached to notes) states to only rest the hammer on an empty chamber:


- Page 21: "When the hammer is uncocked, it is resting directly on the cartridge when fully loaded. A blow to the hammer resulting from a fall/dropping of the gun can cause the gun to discharge. To prevent accidental discharges caused by a blow to the hammer: ALWAYS carry all revolvers with the hammer down on an empty chamber."
- Page 22: "3 - ALWAYS carry revolvers with the hammer down on an empty chamber to prevent accidental discharges caused by a blow to the hammer or with the hammer set on the proper safety position."
- Page 29: "WE STRICTLY RECOMMEND TO ONLY LOAD FIVE ROUNDS AND LEAVE THE CHAMBER UNDER THE FIRING PIN EMPTY. IF THE REVOLVER IS LOADED PROPERLY IN THIS MANNER, IT WOULD BE IMPOSSIBLE FOR THE GUN TO ACCIDENTALLY FIRE SHOULD IT BE DROPPED ON THE HAMMER"



Item 2 (left) and Colt 1873 from RFC (right), depicting when hammer is at rest (de-cocked) on a loaded chamber, the firing pin rests directly on the primer, force to the hammer can fire the cartridge

(04/15/21)

FTD Firearms Worksheet

Date: 4/8/2022 /Preparer: Gilpin, Megan 
Laboratory #: 2021-02245-3 /Item(s): 2
Packaging: Sealed box

Examiner: Ziegler, Bryce

Additional testing (trigger held in during cocking):

The cylinder was loaded with a primed cartridge case, the trigger was fully depressed and held in while the hammer was fully cocked and released. This detonated the primer. When the trigger is held in, the sear cannot engage the hammer and the safeties are disengaged. The hammer will freely move forward using the energy of the mainspring. If the trigger is held in during cocking and the hammer slips from the shooter's thumb, it can fall and fire the cartridge. **This is consistent with normal operation for a single-action revolver of this design.**

The owner's manual (attached to notes) states to not touch the trigger while the hammer is being cocked:

- Page 30: "6 – When cocking the hammer, have a firm hold on the grip with the shooting hand and **DO NOT TOUCH THE TRIGGER WHILE COCKING THE HAMMER. TOUCH THE TRIGGER ONLY WHEN YOU ARE READY TO FIRE.**"

*Note: Owner's manual page numbers referenced are as they appear in the actual manual (attached to notes) and do not refer to the notes page numbers.

Excerpt from NRA Shooting Illustrated.com article (attached to notes) describing function of half-cock safeties:

"Quite a few single-action revolvers have a half-cock notch. On these revolvers, the notch is not considered a safe position for carry conditions. In fact, for years it was customary to carry these guns with the hammer fully forward on an empty chamber. Many single-action revolvers of modern manufacture have built-in safety mechanisms, blocking the hammer or firing pin and reducing the need for the empty chamber under the hammer. Always heed the owner's manual applicable to your particular model of single-action revolver, as they sometimes vary from brand to brand in their manual-of-arms."

[Half-Cock Notch: Safe or Not? | An Official Journal Of The NRA \(shootingillustrated.com\)](#)

(04/15/21)

FTD Bullet Worksheet**Date:** 11/10/2021 / **Preparer:** Gilpin, Megan**Examiner:** Ziegler, Bryce**Laboratory #:** 2021-02245-3 / **Item(s):** 1**Packaging:** Sealed plastic container within sealed envelope.**General Description:**

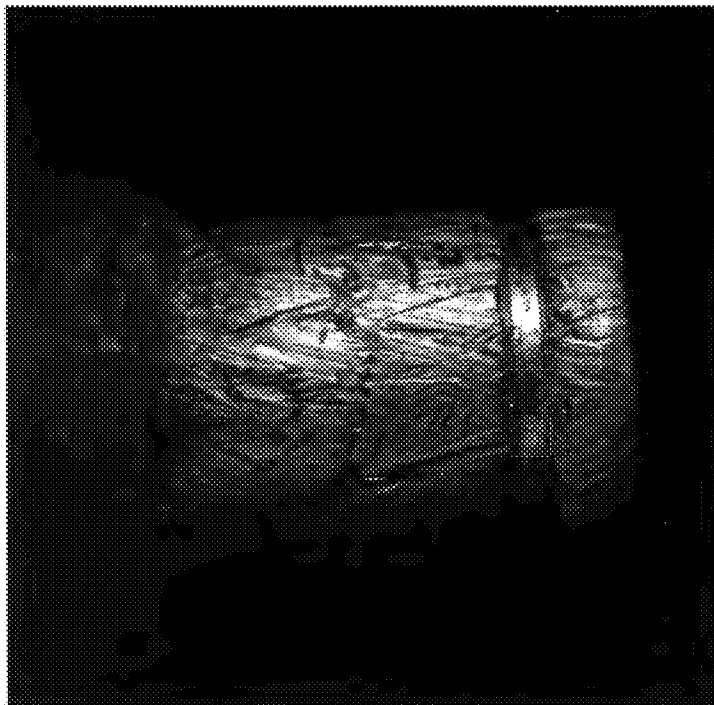
Type: Lead flat nose bullet	Dia: 0.433-0.438 in.	Base type: Flat, lead
	Cal: .44/.45	Weight: 239.8 gr.
	Marked: On base	
Cannelure(s): Yes	Composition: Lead	
Performance Check: N/A – could not measure rifling	Instrument(s): F2714087	
Subclass: no impact	EOMM: LMOV, very limited amount of bearing surface remains	
Rifling: Right	LI width: N/A in.	GI width: N/A in.



Item 1 is a .44/.45 caliber lead flat nose bullet

*Item 1 bullet is badly damaged/abraded, the rifling shoulders are damaged to the degree that they could not be reliably measured

(04/15/21)

FTD Bullet Worksheet**Date:** 11/10/2021 / **Preparer:** Gilpin, Megan**Examiner:** Ziegler, Bryce**Laboratory #:** 2021-02245-3 / **Item(s):** 1**Packaging:** Sealed plastic container within sealed envelope.**Bearing surface of Item 1 bullet**

***Note:** Approximately 2/3 of the bearing surface has been obliterated by damage/abrasions (left photo). On the portion of the bearing surface that remains, the rifling has been obscured by additional abrasions/striations which removed the defined edges of the rifling. Due to damage, could not determine where the lands and grooves begin/end.

(04/15/21)

FTD Results Worksheet

Date: 6/15/2022

Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3

Method(s): LCM VCM Not Applicable


Item(s): Item 1 bullet and test fires from the Item 2 revolver

Results: A pattern examination of the Item 1 bullet compared to the Item 2 revolver was inconclusive due to damage and a lack of sufficient corresponding microscopic marks of value.

BZ 6/15/22

(04/15/21)

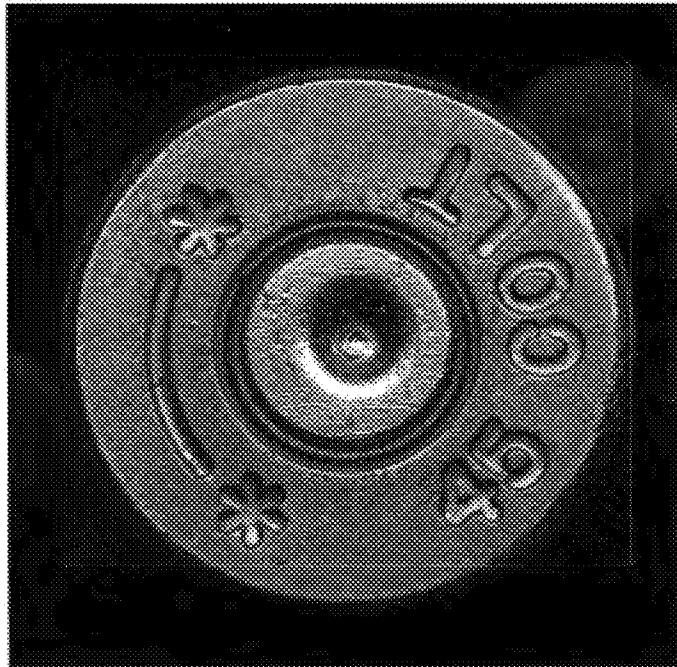
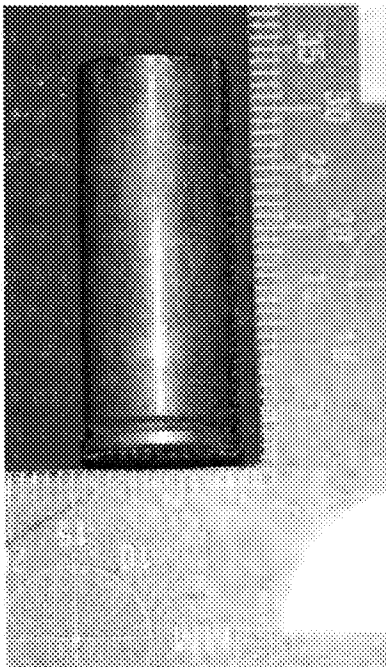
FTD Cartridge Case Worksheet

Date: 11/10/2021 /Preparer: Gilpin, Megan 
Laboratory #: 2021-02245-3 /Item(s): 3
Packaging: Sealed envelope

Examiner: Ziegler, Bryce

General Description:

Brand: Starline	Cal/Ga: .45 Colt (.45 Long Colt)	Bf: Parallel, some crosshatch
Case/Hull: Brass	Primer: Nickel	FPI: Hemispherical
Cannelure: None observed	Ejt: N/A o'clock	Ext: N/A o'clock
Performance Check: N/A	Instrument(s): F2714087	
Subclass: not observed, no impact	EOMM: MOV – firing pin, breechface	
3D instrument entry: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes, see entry date		Entry date: N/A



Item 3 .45 Colt (.45 Long Colt) caliber cartridge case bearing the headstamp of Starline brass

*Extractor and ejector could not be located, this caliber is commonly loaded into revolvers/revolver cartridges

(04/15/21)

FTD Results Worksheet

Date: 6/15/2022

Examiner: Ziegler, Bryce

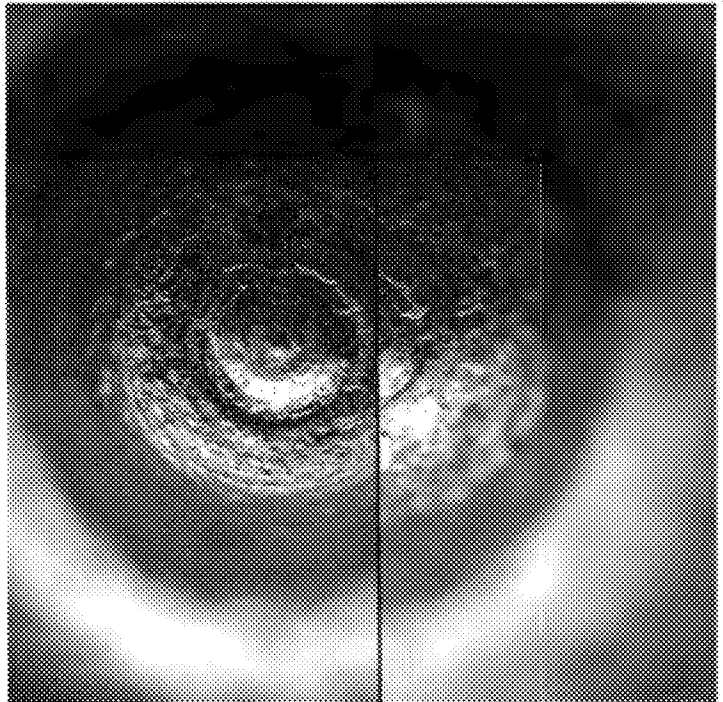
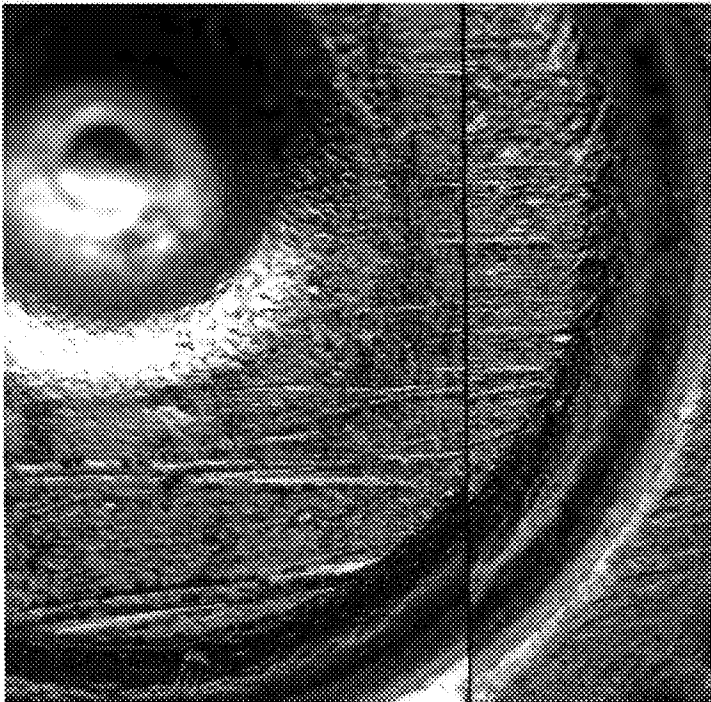
Laboratory #: 2021-02245-3

Method(s): LCM VCM Not Applicable

Item(s): Item 3 cartridge case and test fires from the Item 2 revolver

Results: The Item 3 cartridge case was identified as having been fired in the Item 2 revolver (breachface, firing pin).

BZ 6/15/22



Item 2 (left), Item 3 (right), 36x

Item 2 (left), Item 3 (right), 36x

Inventoried: I2, I3

Verified by: *[Signature]* On: 6/29/22

 ID - bf, fp

(04/15/21)

FTD General Examination Worksheet

Date: 11/10/2021 /Preparer: Gilpin, Megan
Laboratory #: 2021-02245-3 /Item(s): 4 through 7
Packaging: Sealed envelopes within sealed container.

Examiner: Ziegler, Bryce

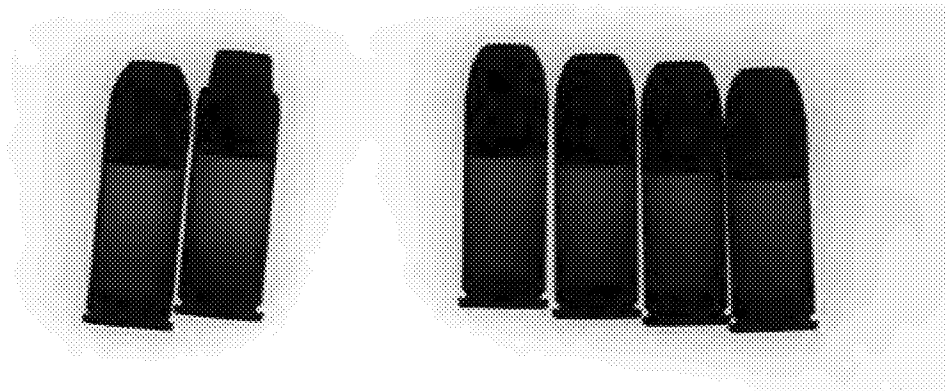
General Description:

Brand: Starline	Caliber/Gauge: .45 Colt (.45 Long Colt)
Type of bullet: Lead flat nose	Case/Hull: Brass
Headstamp: see below	Primer: Nickel



Items 4 through 7 are .45 Colt (.45 Long Colt) caliber cartridges bearing the headstamp of Starline brass

*Manufacturing toolmarks were not observed on Item 4 through 7 cartridges. Item 6 and 7 had striated toolmarks on the side walls of the cartridge cases, but could not determine if they were from manufacturing/loading or some other source.



X-ray image of reference live ammunition (left), Items 4 through 7 (right)

(04/15/21)

FTD General Examination Worksheet

Date: 11/10/2021 /Preparer: Gilpin, Megan
Laboratory #: 2021-02245-3 /Item(s): 8 through 10
Packaging: Sealed paper bag within sealed box

Examiner: Ziegler, Bryce

(Item 10 cartridges continued from previous page)

X-ray images:



Reference live ammunition (left), Item 10 cartridges (right)

*Note: no projectile observed in Item 10 cartridges

(04/15/21)

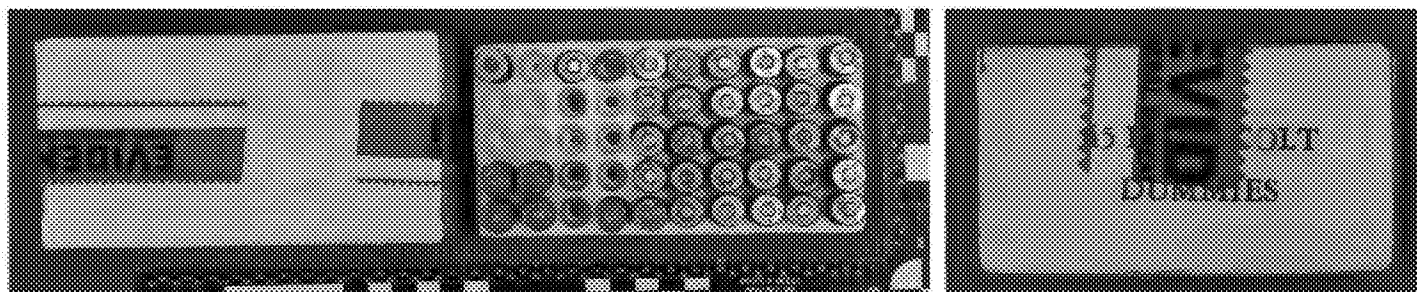
FTD General Examination Worksheet

Date: 11/10/2021 / **Preparer:** Gilpin, Megan *GA*
Laboratory #: 2021-02245-3 / **Item(s):** 11 through 13, 13-1, 13-2 (13-2-1, 13-2-2), 13-3 (13-3-1, 13-3-2)
Packaging: Sealed paper bag within sealed box

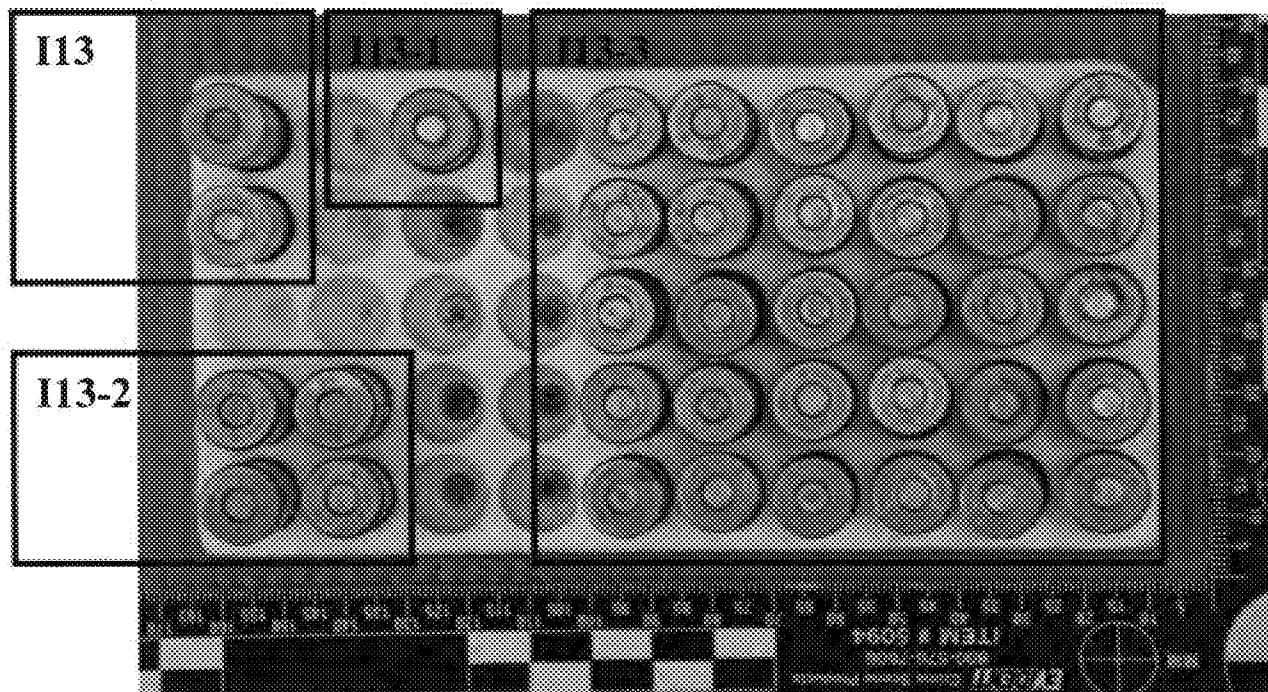
Examiner: Ziegler, Bryce

General Description:

Brand: Starline	Caliber/Gauge: .44-40 (2) and .45 Colt (.45 Long Colt) (35)
Type of bullet: Lead flat nose	Case/Hull: Brass
Headstamp: *see note below	Primer: Brass (36), Nickel (1)



Item 11 ammunition box, Item 12 foam tray, and the Item 13 cartridges, Item 11 box has stickers on both ends that read "45 LONG COLT JS DUMMIES"



Item 13 cartridges sub-divided for examination

*Item 13-2 and 13-3 later further sub-divided into 13-2-1, 13-2-2, 13-3-1, and 13-3-2

(04/15/21)

FTD General Examination Worksheet

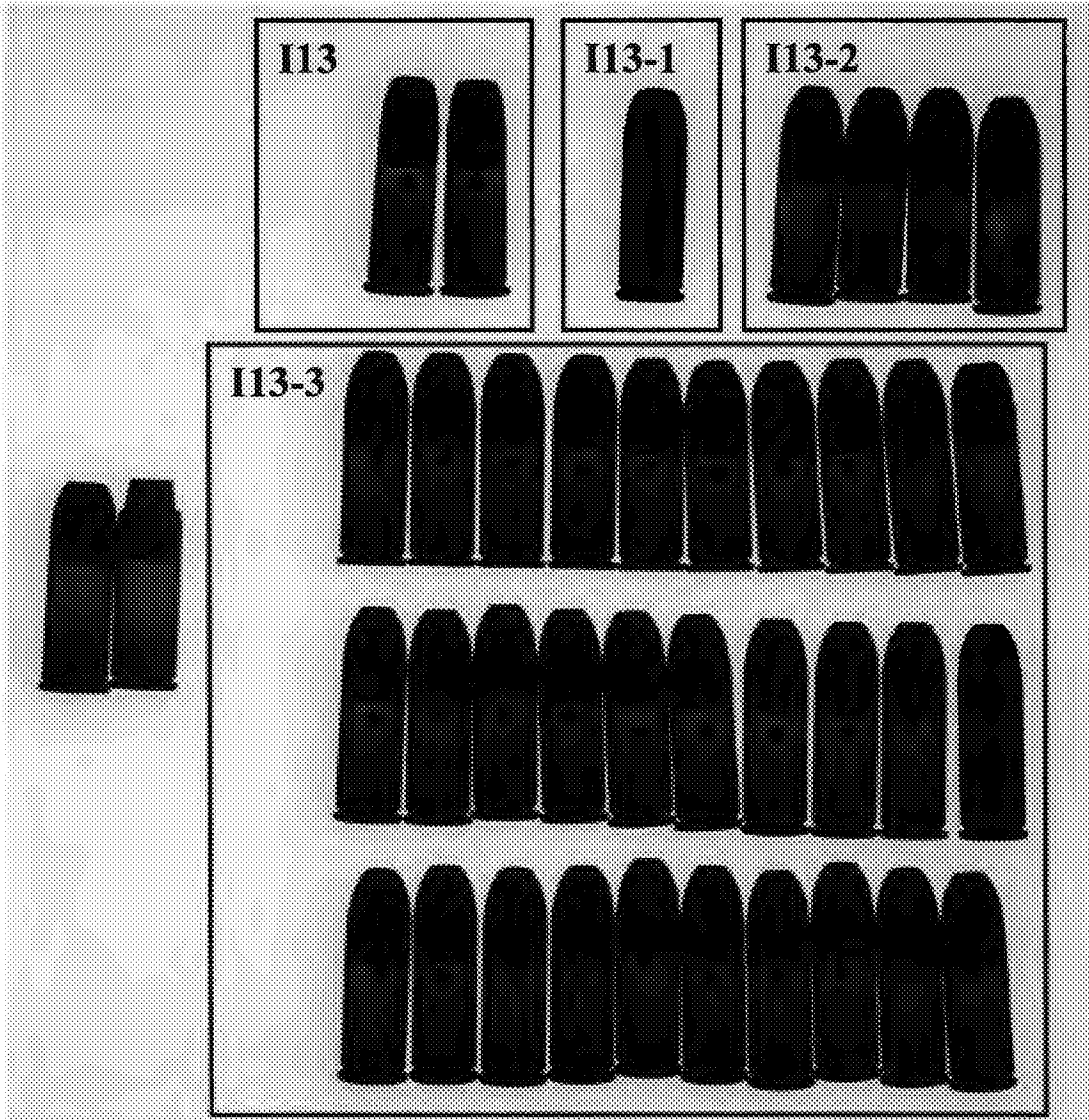
Date: 11/10/2021 /Preparer: Gilpin, Megan

Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3 /Item(s): 11 through 13, 13-1, 13-2 (13-2-1, 13-2-2), 13-3 (13-3-1, 13-3-2)

Packaging: Sealed paper bag within sealed box

(Item 13, 13-1, 13-2, and 13-3 cartridges continued from previous page)



Reference live ammunition (left), Item 13, 13-1, 13-2, and 13-3 cartridges (right)

*Note: spheres observed in all but one of the Item 13 and 13-3 cartridges, light colored spheres in Item 13-2 are the holes observed in side wall of cartridges

(04/15/21)

FTD General Examination Worksheet

Date: 11/17/2021 /Preparer: Examiner

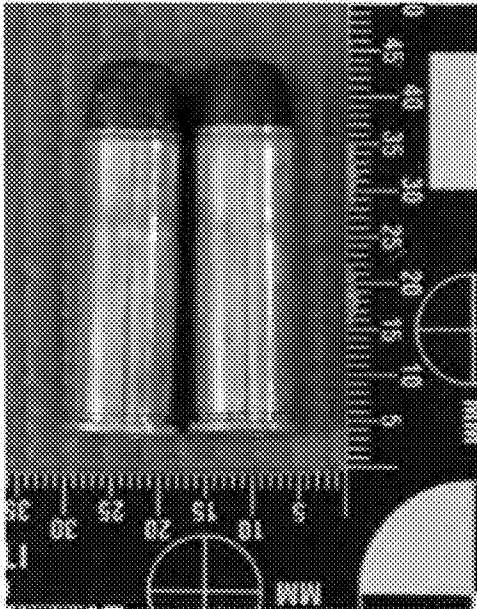
Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3 /Item(s): 13

Packaging: received inside Item 11 box in Item 12 foam tray

General Description:

Brand: Starline	Caliber/Gauge: .44-40
Type of bullet: Lead flat nose	Case/Hull: Brass
Headstamp: see below	Primer: Brass



Item 13 .44-40 caliber cartridges bearing the headstamp of Starline brass

*Toolmarks observed on primer (circular marks) and side wall near rim (impressions) that are physically consistent with markings from a primer press and shell holder, however it could not be determined if these markings are from commercial manufacture or handmade/assembled ammunition. In addition, the cartridges appear to have space inside the cartridges and audibly sound like metal or plastic on the interior when shaken.

(04/15/21)

FTD General Examination Worksheet

Date: 11/17/2021 /Preparer: Examiner

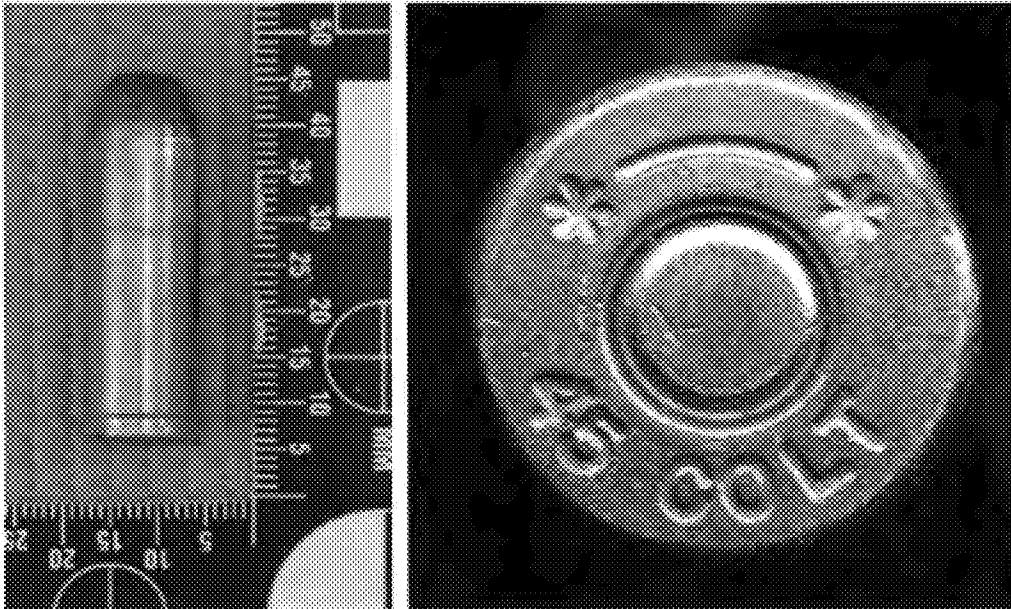
Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3 /Item(s): 13-1

Packaging: received inside Item 11 box in Item 12 foam tray

General Description:

Brand: Starline	Caliber/Gauge: .45 Colt (.45 Long Colt)
Type of bullet: Lead flat nose	Case/Hull: Brass
Headstamp: see below	Primer: Nickel



Item 13-1 is a .45 Colt (.45 Long Colt) caliber cartridge bearing the headstamp of Starline brass

*Manufacturing toolmarks were not observed on the Item 13-1 cartridge.

(04/15/21)

FTD General Examination Worksheet

Date: 11/17/2021 /Preparer: Examiner

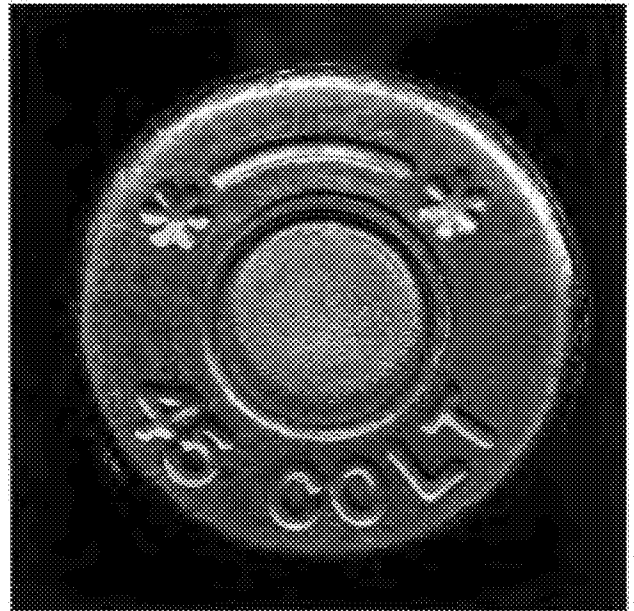
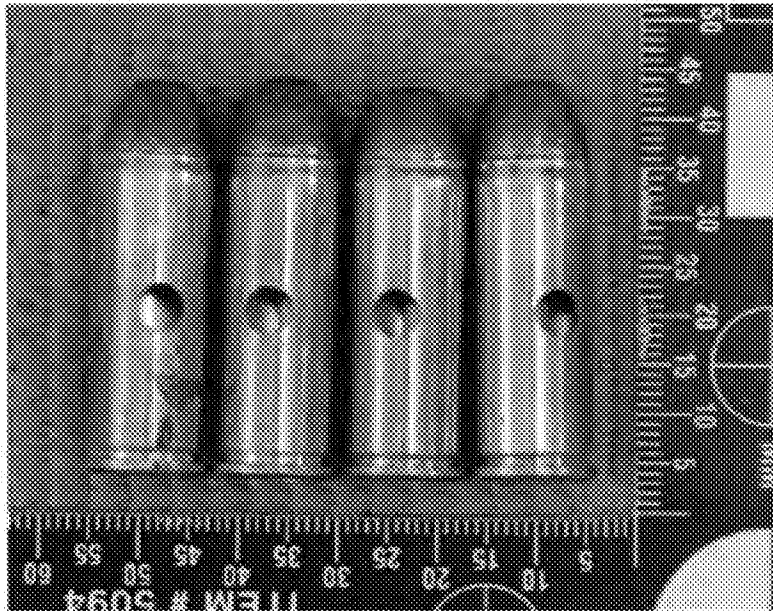
Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3 /Item(s): 13-2 (13-2-1, 13-2-2)

Packaging: received inside Item 11 box in Item 12 foam tray

General Description:

Brand: Starline	Caliber/Gauge: .45 Colt (.45 Long Colt)
Type of bullet: Lead flat nose	Case/Hull: Brass with hole drilled in side wall, no powder present
Headstamp: see below	Primer: Brass



Item 13-2 consists of four .45 Colt (.45 Long Colt) caliber cartridges bearing the headstamp of Starline brass, the Item 13-2 cartridges have a hole drilled in the side of the cartridge case wall and are hollow (no powder present)

*Toolmarks observed on primer (circular marks) and side wall near rim (impressions) that are physically consistent with markings from a primer press and shell holder, however it could not be determined if these markings are from commercial manufacture or handmade/assembled ammunition.

*Item 13-2 later sub-divided into 13-2-1 and 13-2-2

(04/15/21)

FTD General Examination Worksheet

Date: 1/12/2022 /Preparer: Gilpin, Megan *MG*

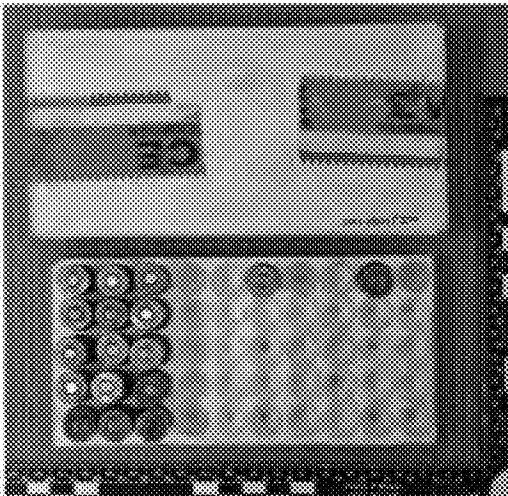
Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3 /Item(s): 20, 20-1, 21 (21-2, 21-3), 21-1, and 22

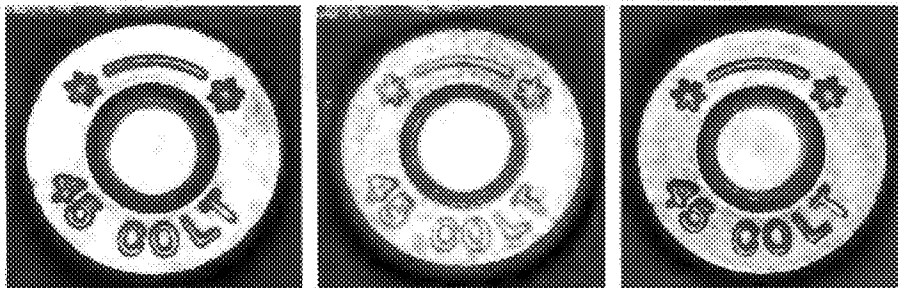
Packaging: Sealed envelope (I20, 20-1, 21), sealed plastics bags within sealed manila envelope (I21-1 and 22)

General Description:

Brand: Starline	Caliber/Gauge: .45 Colt (.45 Long Colt)
Type of bullet: Lead flat nose	Case/Hull: Brass
Headstamp: see below	Primer: Nickel



Item 20 ammunition box, Item 20-1 foam tray, and Item 21 consists of fifteen cartridges, Item 21-1 is a cartridge, and Item 22 is a cartridge, all of which are .45 Colt (.45 Long Colt) caliber cartridges bearing the headstamp of Starline brass, Item 20 box marked on each end "Dummy Rounds .45 LC" written in blue marker, light firing pin strikes observed on the primer of several cartridges



Item 21 (left), Item 21-1 (middle), Item 22 (right)

*Toolmarks observed on primer and side wall near rim that are physically consistent with markings from a primer press and shell holder, however it could not be determined if these markings are from commercial manufacture or handmade/assembled ammunition. In addition, the Item 21 and 21-1 cartridges appear to have space inside the cartridges and audibly sound like metal or plastic on the interior when shaken.

*Item 21 later sub-divided into 21-2 and 21-3

(04/15/21)

FTD General Examination Worksheet

Date: 1/12/2022 /Preparer: Gilpin, Megan *MG*

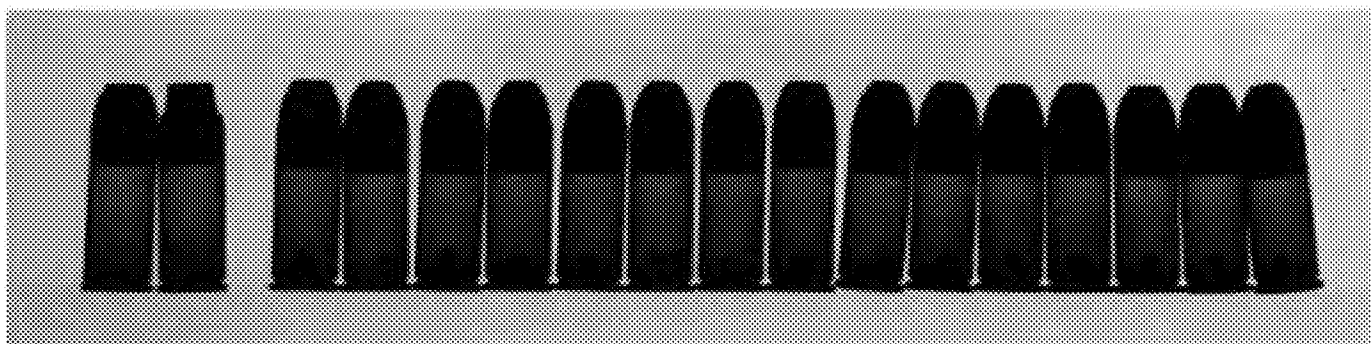
Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3 /Item(s): 20, 20-1, 21 (21-2, 21-3), 21-1, and 22

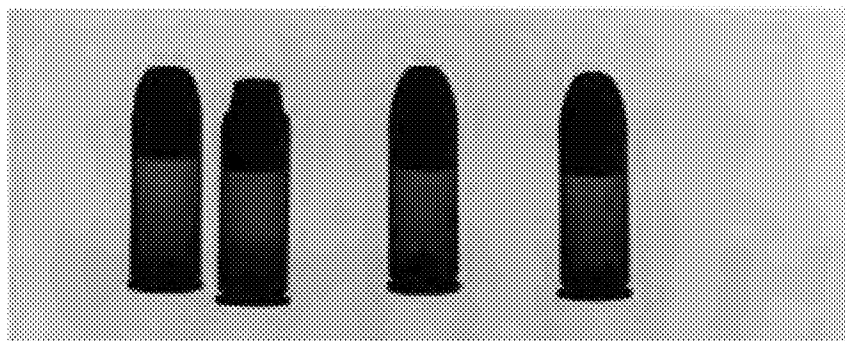
Packaging: Sealed envelope (I20, 20-1, 21), sealed plastics bags within sealed manila envelope (I21-1 and 22)

(Item 21, 21-1, and 22 cartridges continued from previous page)

X-ray images:



Reference live ammunition (left), Item 21 cartridges (right)



Reference live ammunition, Item 21-1 and 22 (left to right)

*Note: spheres observed in all of the Item 21 and 21-1 cartridges

(04/15/21)

FTD General Examination Worksheet

Date: 1/11/2022 / **Preparer:** Gilpin, Megan

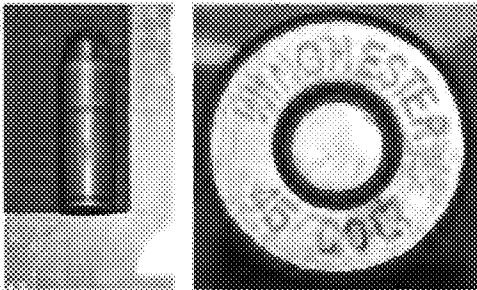
Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3 / **Item(s):** 23, 24 (24-1), 25 (25-1)

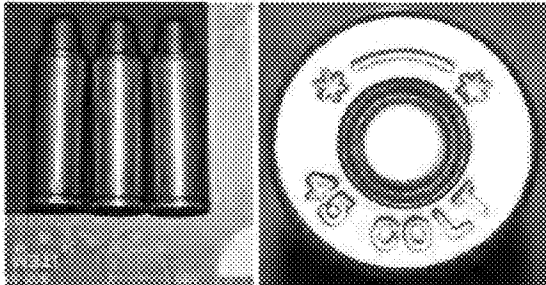
Packaging: Sealed manila envelope within sealed box (I23), sealed manila envelope within sealed manila envelope within sealed box (I24, 25)

General Description:

Brand: Winchester (1), Starline (4), CBC/Magtech (1), Fiocchi/GFL (1)	Caliber/Gauge: .45 Colt (.45 Long Colt)
Type of bullet: Nickel jacketed hollow point (1) Lead semi-wadcutter (6)	Case/Hull: Brass
Headstamp: see below	Primer: Brass

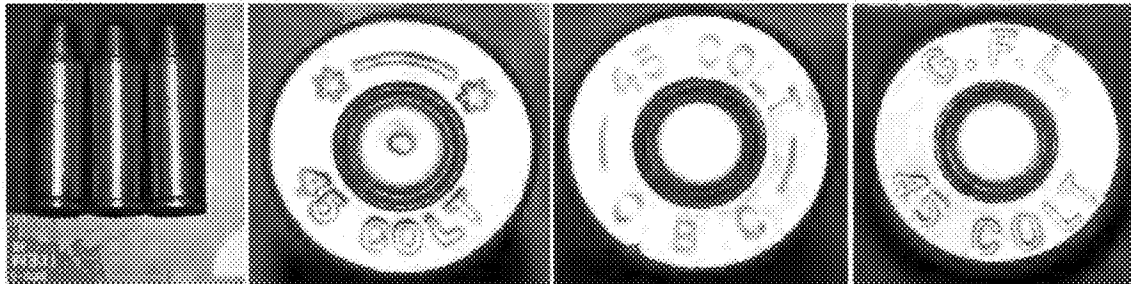


Item 23 is a .45 Colt (.45 Long Colt) caliber cartridge bearing the headstamp of Winchester ammunition



Item 24 consists of three .45 Colt (.45 Long Colt) caliber cartridges bearing the headstamp of Starline brass (light firing pin impressions present on two cartridges)

*Items 24 and 25 later sub-divided into 24-1 and 25-1



Item 25 consists of three .45 Colt (.45 Long Colt) caliber cartridges bearing the headstamp of Starline brass and CBC and Fiocchi ammunition (light firing pin impression present on one cartridge)

(04/15/21)

FTD General Examination Worksheet

Date: 1/11/2022 /Preparer: Gilpin, Megan *MG*

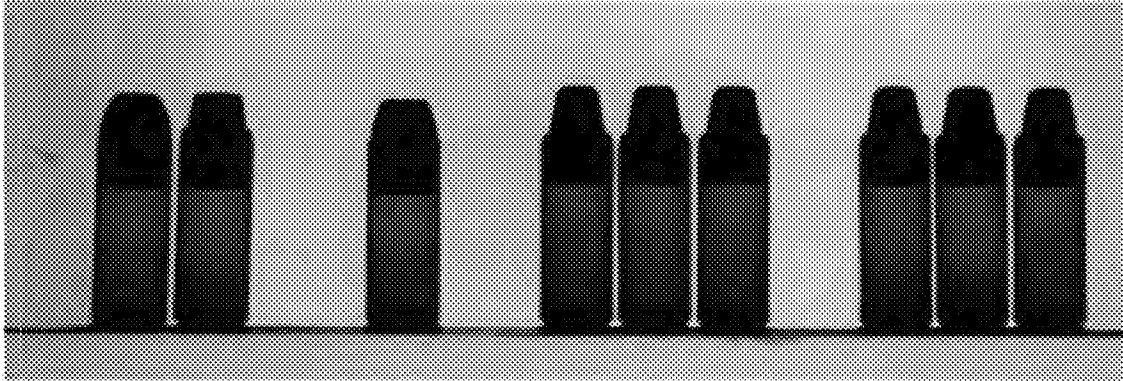
Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3 /Item(s): 23, 24 (24-1), 25 (25-1)

Packaging: Sealed manila envelope within sealed box (I23), sealed manila envelope within sealed manila envelope within sealed box (I24, 25)

(Item 23, 24, and 25 cartridges continued from previous page)

X-ray images:




Reference live ammunition, Items 23, 24, and 25 (left to right)

*Note: I23, 24, and 25 reported as being live exemplars from the manufacturer

(04/15/21)

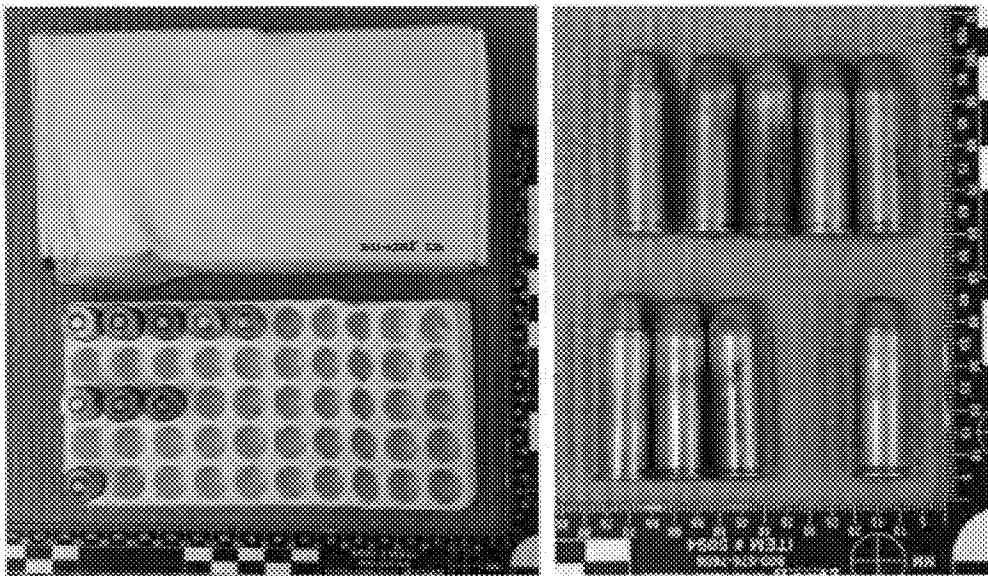
FTD General Examination Worksheet

Date: 1/11/2022 / **Preparer:** Gilpin, Megan 
Laboratory #: 2021-02245-3 / **Item(s):** 26 through 28 (28-1, 28-2)
Packaging: Sealed paper bag within sealed box

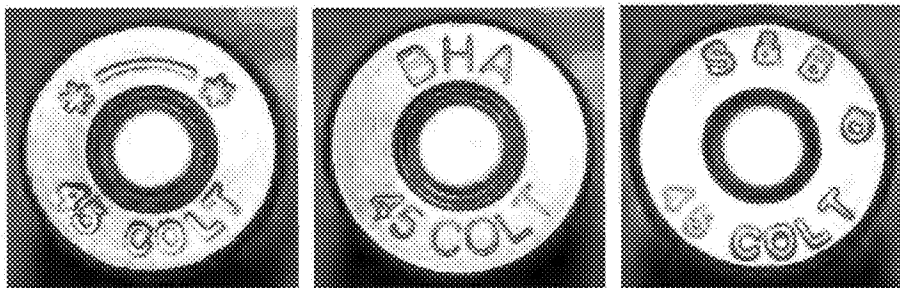
Examiner: Ziegler, Bryce

General Description:

Brand: Starline (5), Black Hills (3), Sellier & Bellot (1)	Caliber/Gauge: .45 Colt (.45 Long Colt)
Type of bullet: Lead semi-wadcutter (2) Lead truncated cone (7)	Case/Hull: Brass
Headstamp: see below	Primer: Brass



Item 26 ammunition box, Item 27 foam tray, and Item 28 consists of nine .45 Colt (.45 Long Colt) caliber cartridges bearing the headstamps of Starline brass and Black Hills and Sellier & Bellot ammunition, Item 26 box marked on each end “.45 LC” in black marker




Item 28 headstamps

*Item 28 later sub-divided into 28-1 and 28-2

(04/15/21)

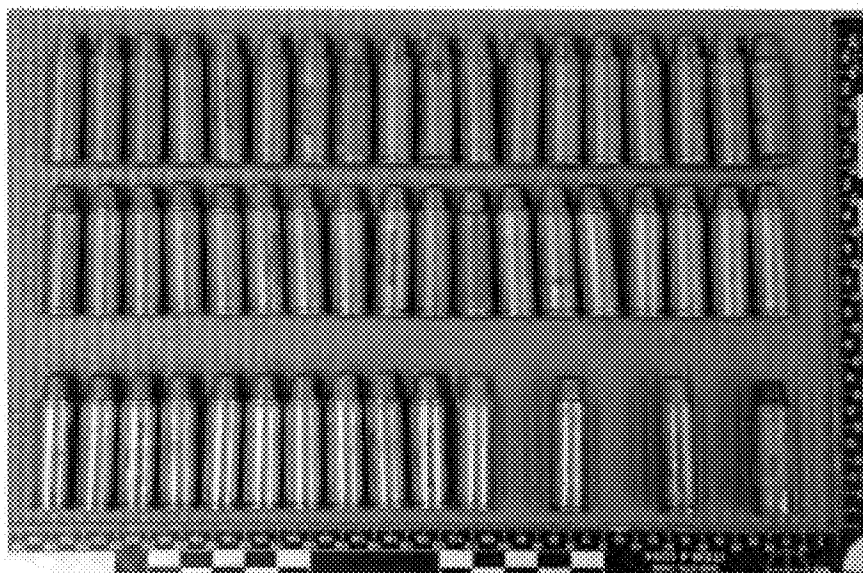
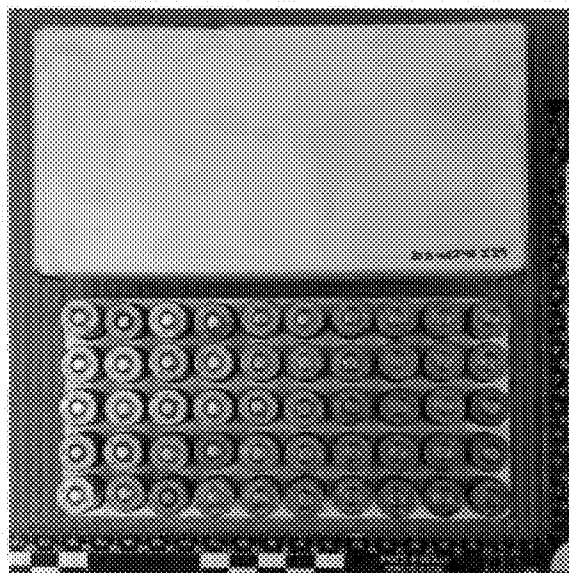
FTD General Examination Worksheet

Date: 1/11/2022 / **Preparer:** Gilpin, Megan 
Laboratory #: 2021-02245-3 / **Item(s):** 29 through 31
Packaging: Sealed paper bag within sealed box

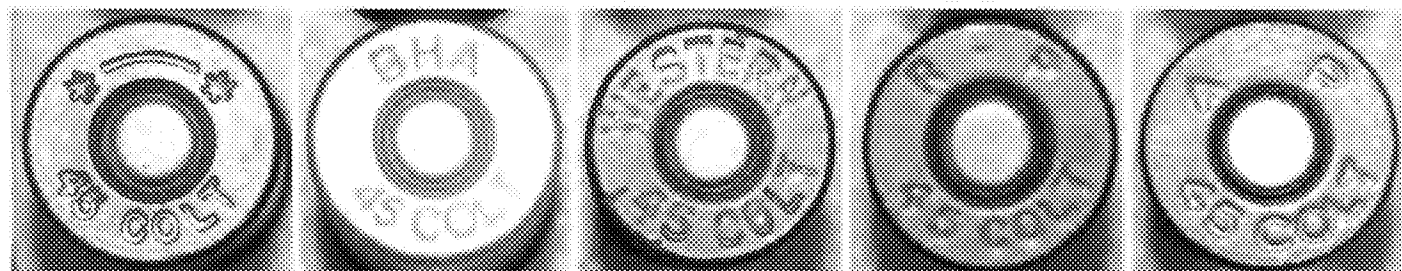
Examiner: Ziegler, Bryce

General Description: Fifty (50) cartridges with ammunition tray and box.

Brand: Starline (36), Black Hills (11), Western (1), Remington (1), Armscor (1)	Caliber/Gauge: .45 Colt (.45 Long Colt)
Type of bullet: Lead semi-wadcutter	Case/Hull: Brass
Headstamp: see below	Primer: Brass (49), Nickel (1)



Item 29 ammunition box, Item 30 foam tray, and Item 31 consists of fifty .45 Colt (.45 Long Colt) caliber cartridges bearing the headstamps of Starline brass and Black Hills, Western, Remington, and Armscor ammunition, Item 29 box marked “.45 LC” in black marker on one end.



(04/15/21)

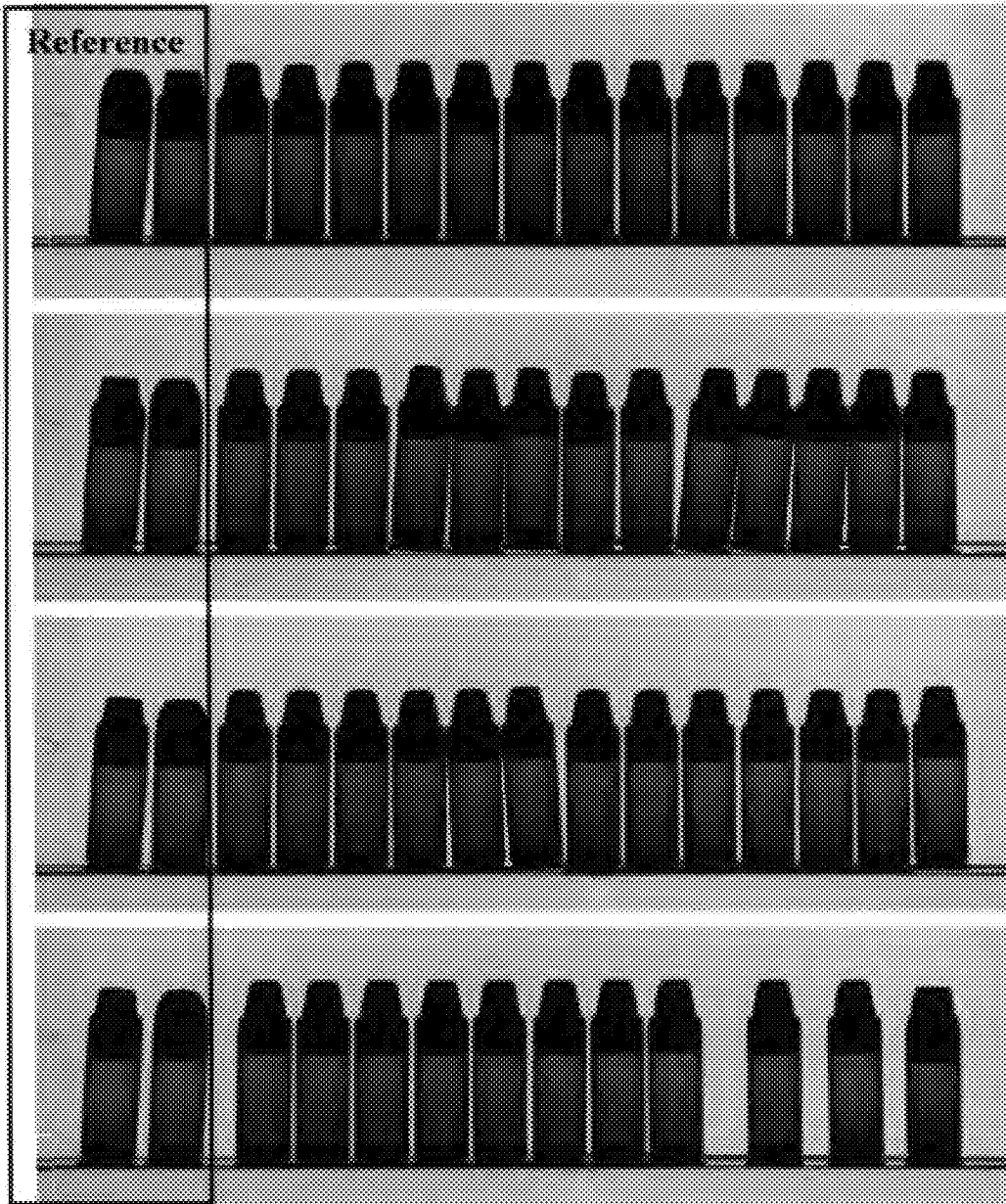
FTD General Examination Worksheet

Date: 1/11/2022 /Preparer: Gilpin, Megan
Laboratory #: 2021-02245-3 /Item(s): 29 through 31
Packaging: Sealed paper bag within sealed box

Examiner: Ziegler, Bryce

(Item 31 cartridges continued from previous page)

X-ray images:




*Note: I31 reported as being live exemplars from the manufacturer

Reference live ammunition (left two cartridges in each photo), Item 31 cartridges (total of 50 cartridges, right in each photo)

(04/15/21)

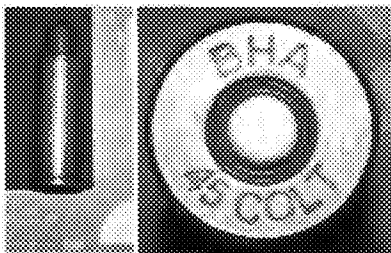
FTD General Examination Worksheet

Date: 1/11/2022 / **Preparer:** Gilpin, Megan 
Laboratory #: 2021-02245-3 / **Item(s):** 32 through 37 (34-1, 34-2)
Packaging: Sealed manila envelope within sealed box

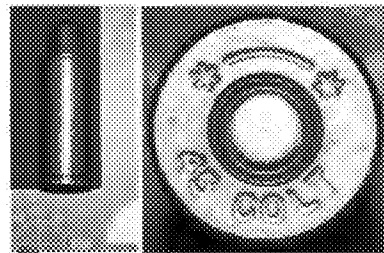
Examiner: Ziegler, Bryce

General Description:

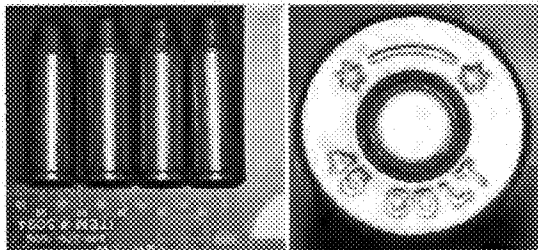
Brand: Black Hills Ammunition (1), Starline (5), Armscor (9)	Caliber/Gauge: .45 Colt (.45 Long Colt)
Type of bullet: Lead semi-wadcutter (14) Lead truncated cone (1)	Case/Hull: Brass
Headstamp: see below	Primer: Brass (6), Nickel (9)



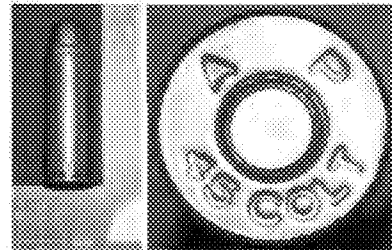
Item 32 cartridge



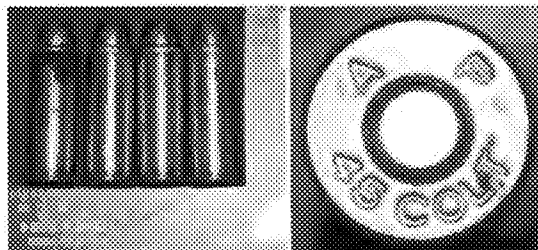
Item 33 cartridge



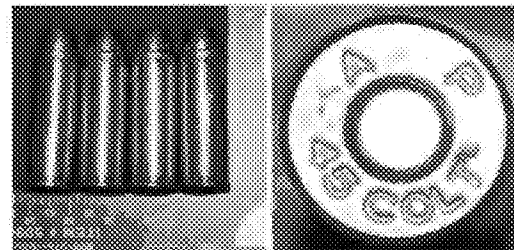
Item 34 cartridges (4)



Item 35 cartridges



Item 36 cartridges (4)



Item 37 cartridges (4)

*Items 32 though 37 consist of fifteen .45 Colt (.45 Long Colt) caliber cartridges bearing the headstamps of Starline brass and Black Hills and Armscor ammunition.

*Item 34 later sub-divided into 34-1 and 34-2

(04/15/21)

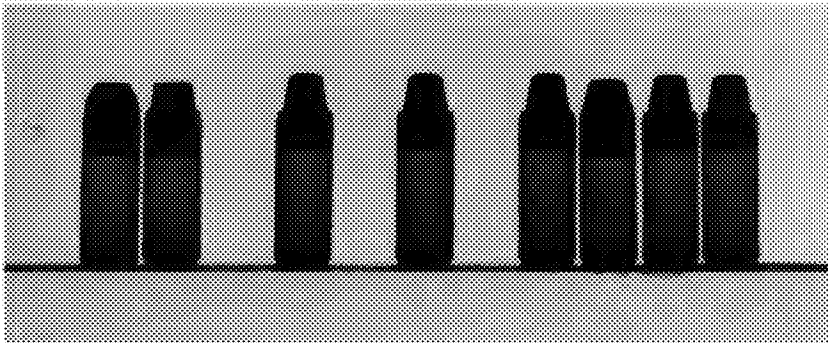
FTD General Examination Worksheet

Date: 1/11/2022 /Preparer: Gilpin, Megan *MG*
Laboratory #: 2021-02245-3 /Item(s): 32 through 37 (34-1, 34-2)
Packaging: Sealed manila envelope within sealed box

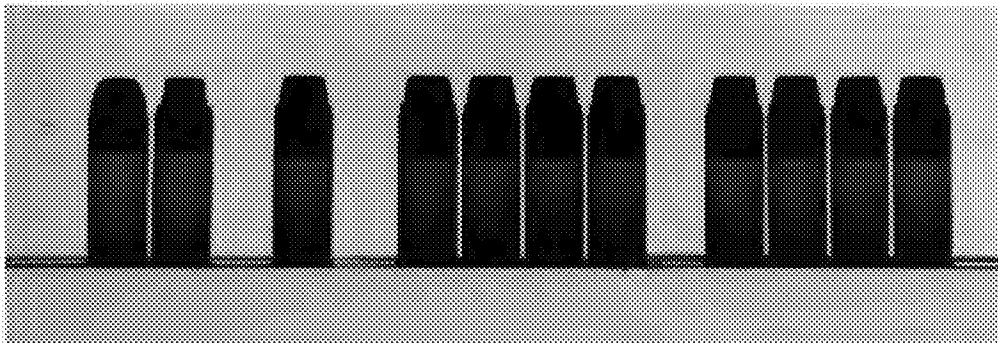
Examiner: Ziegler, Bryce

(Item 32 through 37 cartridges continued from previous page)

X-ray images:



Reference live ammunition, Items 32, 33, and 34 (left to right)



Reference live ammunition, Items 35, 36, and 37 (left to right)

*Note: I32 through 37 reported as being live exemplars from the manufacturer

(04/15/21)

FTD General Examination Worksheet

Date: 1/25/2022 /Preparer: Examiner

Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3 /Item(s): See Item listing in chart below

Packaging: N/A – sampling plan information only

General Description:

List of all submitted cartridges and sampling plan for disassembly/further examination:

FBI Lab Item #	FBI 1B#	Cartridge count	Preliminary Assessment	Sampling for disassembly
Item 4	1B5	1	Suspected live	1 cartridge
Item 5	1B5	1	Suspected live	1 cartridge
Item 6	1B6	1	Suspected live	1 cartridge
Item 7	1B7	1	Suspected live	1 cartridge
Item 10	1B2	50	Suspected blank	
Item 13	1B2	2	Suspected dummy	
Item 13-1	1B2	1	Suspected live	1 cartridge
Item 13-2	1B2	4	Suspected dummy (hole)	2 cartridges FTU only
Item 13-3	1B2	30	Suspected dummy	2 cartridges FTU only
Item 21	1B12	15	Suspected dummy	2 cartridges FTU only
Item 21-1	1B12	1	Suspected dummy	
Item 22	1B12	1	Suspected live	1 cartridge
Item 23	1B15	1	Live exemplar	
Item 24	1B16	3	Live exemplar	1 cartridge
Item 25	1B16	3	Live exemplar	1 cartridge
Item 28	1B19	9	Live exemplar	2 cartridges
Item 31	1B19	50	Live exemplar	
Item 32	1B20	1	Live exemplar	
Item 33	1B21	1	Live exemplar	
Item 34	1B21	4	Live exemplar	2 cartridges
Item 35	1B22	1	Live exemplar	
Item 36	1B22	4	Live exemplar	
Item 37	1B22	4	Live exemplar	
Totals		Number	Type	Sampling totals
		189	Total cartridges	6 suspected live cartridges
		108	Total questioned cartridges	6 suspected dummy cartridges (FTU only)
			6 Suspected live cartridges	6 live exemplar cartridges
			52 Suspected dummy	
			50 Suspected blank	
		81	Live exemplars	

*Sampling plan approved by contributors 2/2/22, sampling of live exemplars was agreed upon to be a random selection, cartridges with similar headstamps were chosen for comparison of ammunition components

(04/15/21)

FTD General Examination Worksheet

Date: 1/25/2022 /Preparer: Examiner

Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3 /Item(s): See Item listing in chart below

Packaging: N/A – sampling plan information only

List of cartridges to be disassembled including sub-divided Items:

FBI Lab Item #	Sampling	Items for disassembly (including sub-divided Items)
Item 4	1 cartridge	Item 4
Item 5	1 cartridge	Item 5
Item 6	1 cartridge	Item 6
Item 7	1 cartridge	Item 7
Item 13-1	1 cartridge	Item 13-1
Item 13-2	2 cartridges FTU only	Item 13-2-1 Item 13-2-2
Item 13-3	2 cartridges FTU only	Item 13-3-1 Item 13-3-2
Item 21	2 cartridges FTU only	Item 21-2 Item 21-3
Item 22	1 cartridge	Item 22
Item 24	1 cartridge	Item 24-1
Item 25	1 cartridge	Item 25-1
Item 28	2 cartridges	Item 28-1 Item 28-2
Item 34	2 cartridges	Item 34-1 Item 34-2

*Items 4 through 7, 13-1, and 22 do not require further sub-dividing, they only consist of one cartridge each

FTD General Examination Worksheet

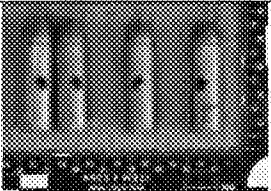
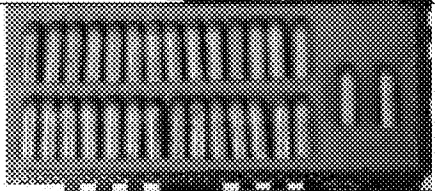
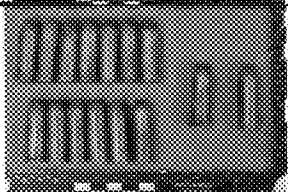
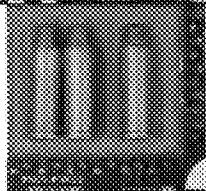
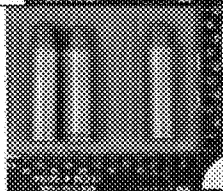
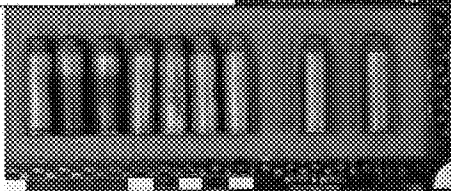
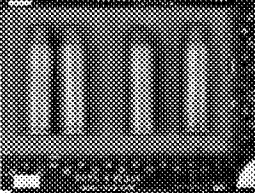
Date: 1/25/2022 /Preparer: Examiner

Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3 /Item(s): See Item listing in chart below

Packaging: N/A – sampling plan information only

New Item descriptions following sub-dividing:

	Items in photo	Descriptions
	Item 13-2, 13-2-1, and 13-2-2 (left to right)	Item 13-2 consists of two cartridges Item 13-2-1 is a cartridge Item 13-2-2 is a cartridge
	Item 13-3, 13-3-1, and 13-3-2 (left to right)	Item 13-3 consists of twenty-eight cartridges Item 13-3-1 is a cartridge Item 13-3-2 is a cartridge
	Item 21, 21-2, and 21-3 (left to right)	Item 21 consists of thirteen cartridges Item 21-2 is a cartridge Item 21-3 is a cartridge
	Item 24 (left) and 24-1 (right)	Item 24 consists of two cartridges Item 24-1 is a cartridge
	Item 25 (left) and 25-1 (right)	Item 25 consists of two cartridges Item 25-1 is a cartridge
	Item 28, 28-1, and 28-2 (left to right)	Item 28 consists of seven cartridges Item 28-1 is a cartridge Item 28-2 is a cartridge
	Item 34, 34-1, and 34-2 (left to right)	Item 34 consists of two cartridges Item 34-1 is a cartridge Item 34-2 is a cartridge

FTD General Examination Worksheet

Date: 1/25/2022 /Preparer: Examiner

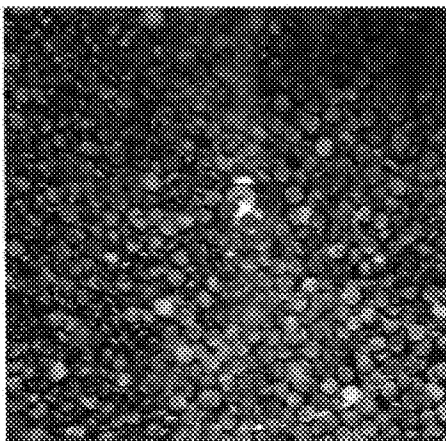
Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3 /Item(s): See Item listing in chart below

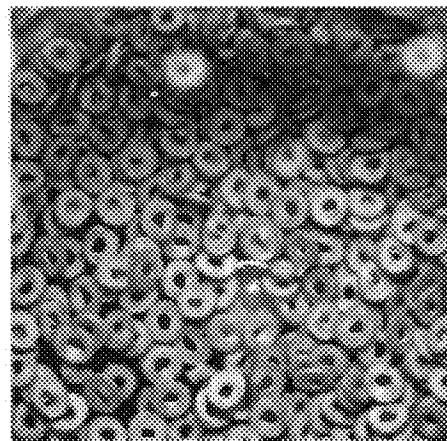
Packaging: N/A- see previous worksheets for designated Items

Examination of ammunition components in disassembled cartridges:

FBI Lab Item #	FBI 1B#	Notes	Findings
Item 4	1B5	Suspected live	Powder present (disc), active primer
Item 5	1B5	Suspected live	Powder present (disc), active primer
Item 6	1B6	Suspected live	Powder present (disc), active primer
Item 7	1B7	Suspected live	Powder present (disc), active primer
Item 13-1	1B2	Suspected live	Powder present (disc), active primer
Item 13-2-1	1B2	Suspected dummy (hole)	Empty case, no powder, inactive primer
Item 13-2-2	1B2	Suspected dummy (hole)	Empty case, no powder, inactive primer
Item 13-3-1	1B2	Suspected dummy	No powder, metal BB, inactive primer
Item 13-3-2	1B2	Suspected dummy	No powder, plastic BB, inactive primer
Item 21-2	1B12	Suspected dummy	No powder, metal BBs, inactive primer
Item 21-3	1B12	Suspected dummy	No powder, metal BBs, inactive primer
Item 22	1B12	Suspected live	Empty case, no powder, inactive primer
Item 24-1	1B16	Live exemplar	Powder present (perforated disc), active primer
Item 25-1	1B16	Live exemplar	Powder present (perforated disc), active primer
Item 28-1	1B19	Live exemplar	Powder present (perforated disc), active primer
Item 28-2	1B19	Live exemplar	Powder present (perforated disc), active primer
Item 34-1	1B21	Live exemplar	Powder present (perforated disc), active primer
Item 34-2	1B21	Live exemplar	Powder present (perforated disc), active primer



Powder from Item 4 through 7 and 13-1 cartridges (Item 4 powder pictured)



Powder from live exemplar cartridges (Item 24-1 powder pictured)

*Note: disassembled cartridges were sent to Explosives Chemistry for further powder examination, these results will be the subject of another Laboratory Report

(04/15/21)

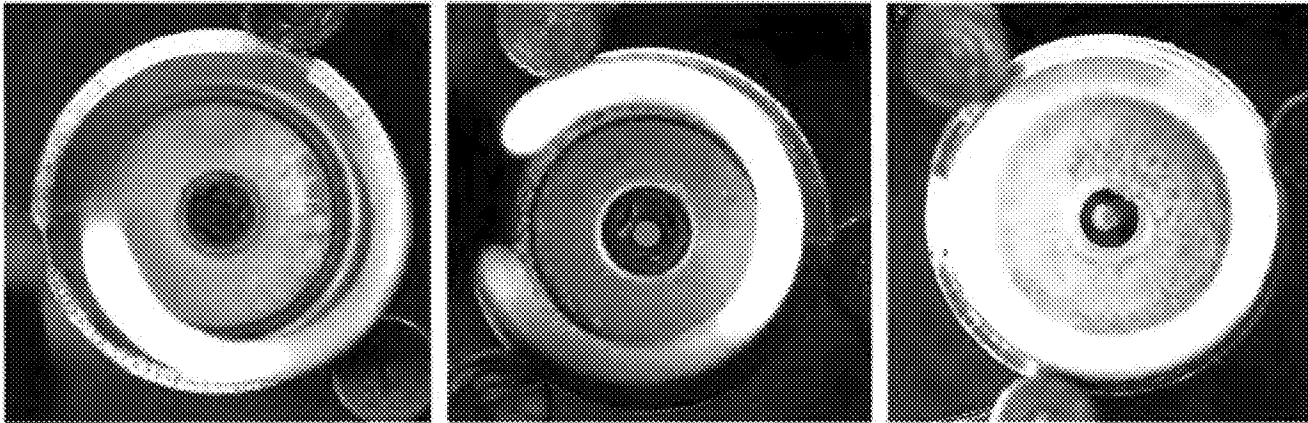
FTD General Examination Worksheet

Date: 1/25/2022 /Preparer: Examiner

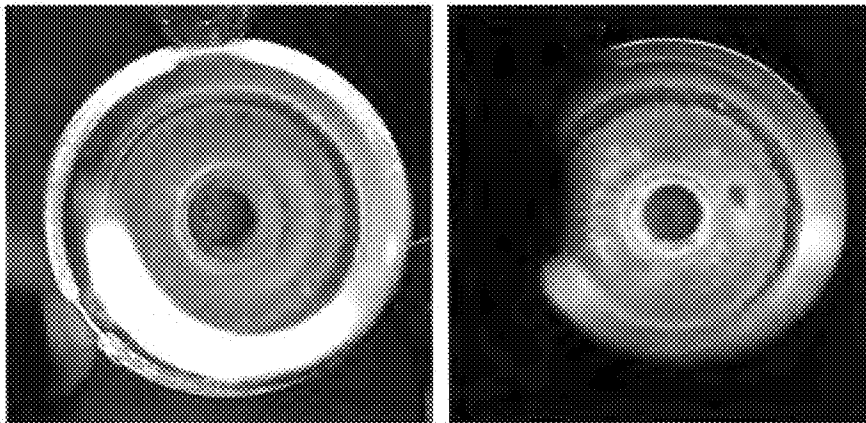
Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3 /Item(s): 4, 13-2-1, 13-3-1, 13-3-2, 21-2, 21-3, 22, 28-1

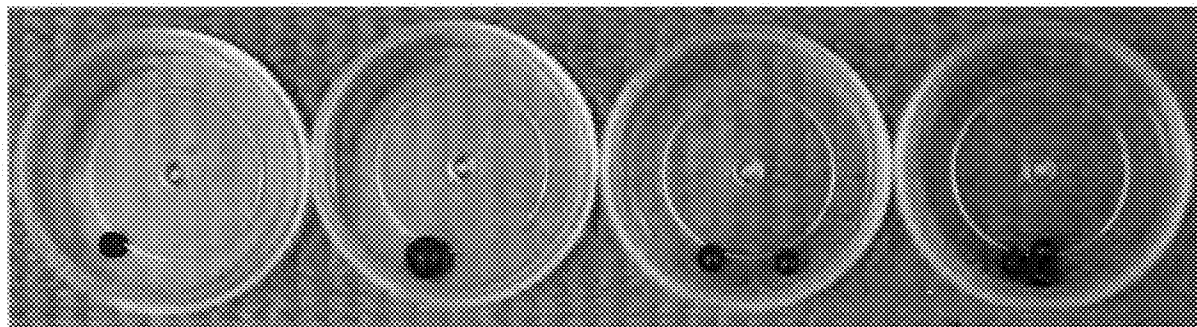
Packaging: N/A- see previous worksheets for designated Items



Item 4 primer (left), Item 28-1 primer (center), RAF primer (right) – anvil observed, primers in Item 4 and 28-1 are physically consistent with the active reference primer



Item 13-2-1 (left), Item 22 (right) empty primer cavities – no anvil/explosive material observed, primer is inactive



BB's located inside Items 13-3-1, 13-3-2, 21-2, and 21-3 (left to right), note – the BB located in Item 13-3-2 appears to be plastic (did not appear in X-ray image)

(04/15/21)

FTD Results Worksheet

Date: 6/21/2022

Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3

Method(s): LCM VCM Not Applicable

Item(s): see Item listing in chart below

Ammunition Results (Disassembled):

FBI Lab Item #	Cartridge count	Preliminary Assessment	Results
Item 4	1	Suspected live	Contains design and components of live ammunition
Item 5	1	Suspected live	Contains design and components of live ammunition
Item 6	1	Suspected live	Contains design and components of live ammunition
Item 7	1	Suspected live	Contains design and components of live ammunition
Item 13-1	1	Suspected live	Contains design and components of live ammunition
Item 13-2-1	1	Suspected dummy	Contains design and components of dummy ammunition
Item 13-2-2	1	Suspected dummy	Contains design and components of dummy ammunition
Item 13-3-1	1	Suspected dummy	Contains design and components of dummy ammunition
Item 13-3-2	1	Suspected dummy	Contains design and components of dummy ammunition
Item 21-2	1	Suspected dummy	Contains design and components of dummy ammunition
Item 21-3	1	Suspected dummy	Contains design and components of dummy ammunition
Item 22	1	Suspected live	Contains design and components of dummy ammunition
Item 24-1	1	Live exemplar	Contains design and components of live ammunition
Item 25-1	1	Live exemplar	Contains design and components of live ammunition
Item 28-1	1	Live exemplar	Contains design and components of live ammunition
Item 28-2	1	Live exemplar	Contains design and components of live ammunition
Item 34-1	1	Live exemplar	Contains design and components of live ammunition
Item 34-2	1	Live exemplar	Contains design and components of live ammunition
Totals:			
	5	Suspected live	Contains design and components of live ammunition
	7	Suspected dummy/live	Contains design and components of dummy ammunition
	6	Exemplars	Contains design and components of live ammunition

The Item 4 through 7 and 13-1 cartridges contain the design and components of functional live ammunition.

The Item 13-2-1, 13-2-2, 13-3-1, 13-3-2, 21-2, 21-3, and 22 cartridges contain the design and components of dummy ammunition.

The Item 24-1, 25-1, 28-1, 28-2, 34-1, and 34-2 cartridges were reported as being live exemplars from the manufacturer and contain the design and components of functional ammunition.

[Handwritten Signature] 7/12/22

(04/15/21)

FTD Results Worksheet

Date: 6/21/2022

Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3

Method(s): LCM VCM Not Applicable

Item(s): see Item listing in chart below

Ammunition Results (Not Disassembled):

FBI Lab Item #	Cartridge count	Preliminary Assessment	Results
Item 10	50	Suspected blank	Physically consistent with blank ammunition
Item 13	2	Suspected dummy	Physically consistent with dummy ammunition
Item 13-2	2	Suspected dummy (hole)	Physically consistent with dummy ammunition
Item 13-3	28	Suspected dummy	Physically consistent with dummy ammunition
Item 21	13	Suspected dummy	Physically consistent with dummy ammunition
Item 21-1	1	Suspected dummy	Physically consistent with dummy ammunition
Item 23	1	Live exemplar	Physically consistent with live ammunition
Item 24	2	Live exemplar	Physically consistent with live ammunition
Item 25	2	Live exemplar	Physically consistent with live ammunition
Item 28	7	Live exemplar	Physically consistent with live ammunition
Item 31	50	Live exemplar	Physically consistent with live ammunition
Item 32	1	Live exemplar	Physically consistent with live ammunition
Item 33	1	Live exemplar	Physically consistent with live ammunition
Item 34	2	Live exemplar	Physically consistent with live ammunition
Item 35	1	Live exemplar	Physically consistent with live ammunition
Item 36	4	Live exemplar	Physically consistent with live ammunition
Item 37	4	Live exemplar	Physically consistent with live ammunition
Totals:			
	50	Suspected blank	Physically consistent with blank ammunition
	46	Suspected dummy	Physically consistent with dummy ammunition
	75	Exemplars	Physically consistent with live ammunition

The Item 10 cartridges are physically consistent with blank ammunition.

The Item 13, 13-2, 13-3, 21, and 21-1 cartridges are physically consistent with dummy ammunition.

The Item 23, 24, 25, 28, and 31 through 37 cartridges were reported as being live exemplars from the manufacturer and are physically consistent with functional ammunition.

BZA 7/12/22

(04/15/21)

FTD Results Worksheet

Date: 6/21/2022

Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3

Method(s): LCM VCM Not Applicable

Item(s): see Item listing in chart below

Summary of cartridge exams by count and type:

Count	Description	Item numbers
5	Contains design and components of live ammunition	4 through 7, 13-1
7	Contains design and components of dummy ammunition	13-2-1, 13-2-2, 13-3-1, 13-3-2, 21-2, 21-3, 22
6	Exemplars - contains design and components of live ammunition	24-1, 25-1, 28-1, 28-2, 34-1, 34-2
50	Physically consistent with blank ammunition	10
46	Physically consistent with dummy ammunition	13, 13-2, 13-3, 21, 21-1
75	Exemplars - physically consistent with live ammunition	23, 24, 25, 28, 31 through 37
Totals:		
189	Total cartridges	
108	Total questioned cartridges	
	5 Design and components of live ammunition	
	53 Design and components/physically consistent with dummy ammunition	
	50 Physically consistent with blank ammunition	
81	Total exemplars	

(04/15/21)

FTD Results Worksheet

Date: 6/21/2022

Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3

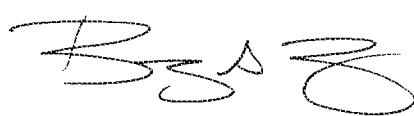
Method(s): LCM VCM Not Applicable

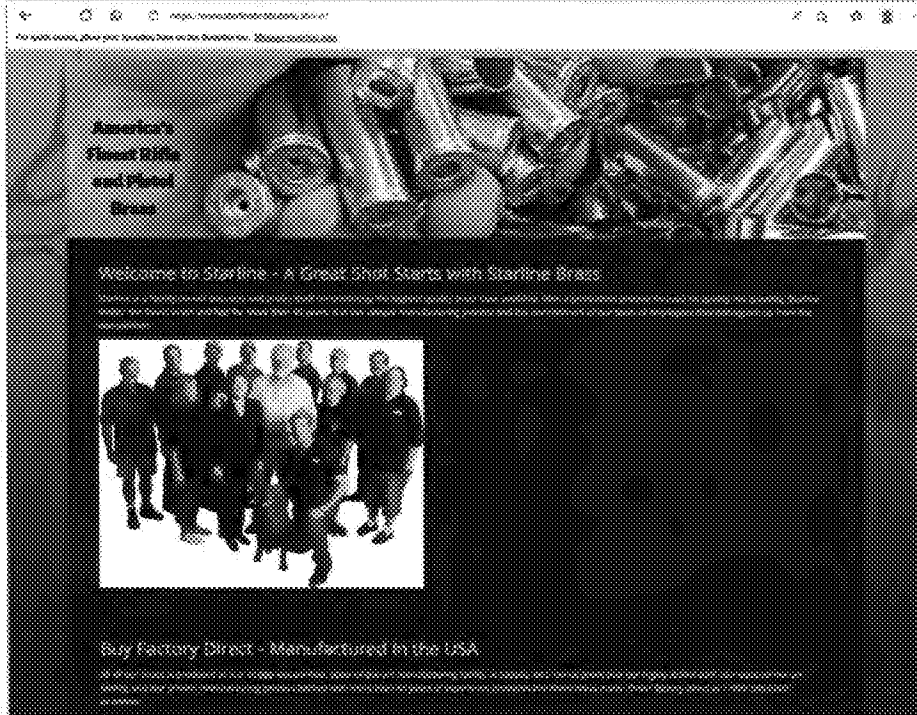
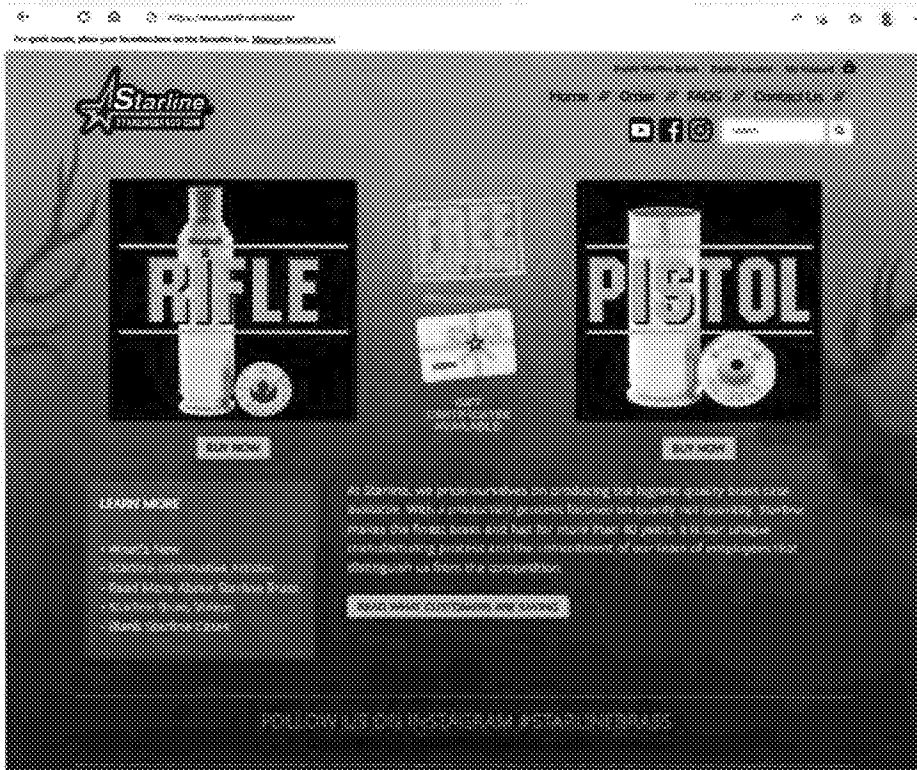
Item(s): Items 10, 13, 13-2 (13-2-1, 13-2-2), 13-3 (13-3-1, 13-3-2), 21 (21-2, 21-3), 21-1, and 22 cartridges

Ammunition Results (Manufacturing Marks):

Toolmarks were observed on the Item 10, 13, 13-2 (13-2-1, 13-2-2), 13-3 (13-3-1, 13-3-2), 21 (21-2, 21-3), 21-1, and 22 cartridges that are physically consistent with being produced by a primer press and shell holder. However, no determination could be made as to whether these toolmarks were produced by ammunition assembly, reloading, or commercial ammunition manufacturing.

Comparisons of the manufacturing toolmarks were discontinued by the contributor, SA Jose Cortez on November 16, 2021. These comparisons were determined to have no probative value at this time.

 7/12/22



Information from www.starlinebrass.com

*Note: Starline only manufactures brass to be used in cartridge assembly/loading and does not produce fully assembled/complete ammunition. All of the cartridges that were submitted using Starline brass required assembly/loading in order to be considered a functional cartridge.

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[Handwritten signature] 42/57

SAAMI
The Sporting Arms and Ammunition Manufacturers' Institute

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About SAAMI

The Sporting Arms and Ammunition Manufacturers' Institute (SAAMI) is an association of the nation's leading manufacturers of firearms, ammunition and components. SAAMI was founded in 1925 at the request of the federal government and tasked with:

- Creating and publishing industry standards for safety, interchangeability, reliability and quality
- Coordinating technical data
- Promoting safe and responsible firearm use

SAAMI Strategic Goals

- 1) Create and maintain technical standards for technology, performance, interchangeability, and safety regarding firearms, ammunition, and their components.
- 2) Continually improve and share our expertise with foreign and domestic audio measures and strategic partners related to technical performance and safety regarding firearm and ammunition manufacturers' issues.
- 3) Continually explore the factors by which consumers consider and analyze relevant technical and editorial standards and policies regarding firearms, ammunition, and their components.
- 4) Monitor, anticipate, and address new technologies, opportunities, challenges, and emerging trends impacting the interests of SAAMI.
- 5) Maintain and increase SAAMI's standing as the foremost technical expert in our field.

Our Mission

To create and promulgate technical, performance, interchangeability, and safety standards for firearms, ammunition, and components, and to be the preeminent global resource for the safe and responsible manufacturing, transportation, storage, and use of these products.

GLOSSARY

The glossary of industry terms has been compiled by SAAMI's Technical Committee to facilitate technical interchanges between members of that committee. It is not intended to provide legal definitions of the terms included, and, in light of further experience, the definitions of these terms may change. It is not intended to be comprehensive since it does not cover the full range of the diversity of the sporting arms and ammunition industry's products. It is, in other words, a working draft that, it is hoped, may be useful in addressing certain technical matters frequently considered by the Technical Committee and is subject to further change and refinement.

It was the committee's decision that ONLY industry terms would be included which are unique to the firearms and ammunition industry (strictly). Critical terms have been omitted for the most part. Common metallurgical terms were not included because they are not unique to the industry. Where there is a common term with a usage unique to our industry, it has, however, been included.

CARTRIDGE

A single round of ammunition consisting of the case, primer and propellant with or without one or more projectiles. Also applies to a shotshell.

DUMMY CARTRIDGE

An inert cartridge which cannot be fired under any circumstances. In America, an inert cartridge for gun functioning is usually black oxidized and may or may not have holes in the side wall of the case. An inert cartridge for display may be natural colored and should have a hole in the primer cup with holes in the side wall of the case optional.

BLANK CARTRIDGE

A cartridge loaded without a projectile designed to produce a loud noise. Often sealed at the mouth with a cardboard, plastic or fiber wad which is propelled from the muzzle with a dangerous force for a short distance when fired.

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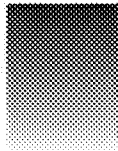
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THIS MANUAL CONTAINS

- ▶ Important warnings which should be read and understood before using this firearm.
- ▶ Directions and procedures for handling, loading, firing and unloading.
- ▶ Instructions for care and cleaning.
- ▶ **This instruction and safety manual is designed to help you in learning how to properly use and care for your ELLI Pietta 1873 Single Action Revolver. Only when you are certain you have fully familiarized yourself with the function of your firearm should you practice loading, unloading and firing with live rounds of ammunition.**

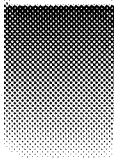
This instruction manual should always accompany this firearm, and be transferred with it upon change of ownership.



WARNING: DISCLAIMER OF LIABILITY

ELLI PIETTA SNC SHALL NOT BE RESPONSIBLE FOR PRODUCT MALFUNCTIONING OR FOR PHYSICAL INJURY, DEATH OR DAMAGE TO PROPERTY RESULTING FROM EITHER INTENTIONAL OR ACCIDENTAL DISCHARGE OF THIS FIREARM, ITS CRIMINAL OR NEGLIGENT USE, IMPROPER OR CARELESS HANDLING, UNAUTHORIZED MODIFICATIONS OR ALTERATION, USE OF DEFECTIVE OR IMPROPER OR HAND-LOADED OR RELOADED AMMUNITION, OR FROM ITS USE FOR PURPOSES OR SUBJECTION TO TREATMENT FOR WHICH IT WAS NOT DESIGNED. ELLI PIETTA SNC WILL NOT HONOR CLAIMS MADE BY THE SECOND OR SUBSEQUENT OWNER OF THE FIREARM.

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CAUTION:

PRIOR TO REMOVING THIS GUN FROM ITS PACKAGING, AND PRIOR TO LOADING AND FIRING, CAREFULLY AND THOROUGHLY READ THE ENTIRE INSTRUCTION MANUAL WHICH GIVES ADVICE ON THE GUN'S PROPER HANDLING AND FUNCTIONING. HOWEVER YOUR SAFETY AND THAT OF OTHERS (INCLUDING YOUR FAMILY) DEPENDS ON YOUR RESPONSIBLE COMPLIANCE WITH THAT ADVICE. IF UNFAMILIAR WITH FIREARMS, SEEK SUPERVISED INSTRUCTIONS. FIREARM SAFETY IS YOUR RESPONSIBILITY.



WARNING: A FULLY LOADED UNCOCKED GUN, CAN FIRE!

WHEN THE HAMMER IS UNCOCKED, IT IS RESTING DIRECTLY ON THE CARTRIDGE WHEN FULLY LOADED. A BLOW TO THE HAMMER RESULTING FROM A FALL/DROPPING OF THE GUN CAN CAUSE THE GUN TO DISCHARGE. TO PREVENT ACCIDENTAL DISCHARGES CAUSED BY A BLOW TO THE HAMMER: ALWAYS CARRY ALL REVOLVERS WITH THE HAMMER DOWN ON AN EMPTY CHAMBER.



IMPORTANT

TO ENSURE THE SHOOTER A BETTER PROTECTION, ALL FIREARMS MARKED ELLI PIETTA ARE SUBMITTED TO SEVERE FIRE TESTS EVIDENCED BY RELEVANT MARKINGS, MADE BY THE ITALIAN NATIONAL PROOF HOUSE OF GARDONE V.T. - BRESCIA - ITALY.



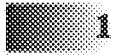
WARNING - LEAD EXPOSURE

DISCHARGING FIREARMS IN POORLY VENTILATED AREAS, CLEANING FIREARMS, OR HANDLING AMMUNITION MAY RESULT IN EXPOSURE TO LEAD AND OTHER SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS, REPRODUCTIVE HARM, AND OTHER SERIOUS PHYSICAL INJURY. HAVE ADEQUATE VENTILATION AT ALL TIMES. WASH HANDS THOROUGHLY AFTER EXPOSURE. SHOOTING OR CLEANING GUNS MAY EXPOSE YOU TO LEAD.



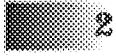
SINGLE ACTION

SAFETY PRECAUTIONS & WARNING



1 CARELESS AND IMPROPER HANDLING OF THIS GUN COULD RESULT IN UNINTENDED DISCHARGE CAUSING INJURY, DEATH OR PROPERTY DAMAGE.

Safety must be the first and constant consideration when handling a firearm and ammunition. **Elli Pietta snc** shall not be responsible for product malfunctioning or for physical injury, death or damage to property resulting from either intentional or accidental discharge of this firearm, its criminal or negligent use, improper or careless handling, or from its use for purposes or subject to treatment for which it was not designed.



2 NEVER alter any part or add or replace parts not supplied by **Elli Pietta s.n.c.** This product was designed to function properly in its original condition. **Elli Pietta snc** shall not be responsible for product malfunctioning or for physical injury, death or damage to property resulting from unauthorized modifications or alterations.



3 ALWAYS carry revolvers with the hammer down on an empty chamber to prevent accidental discharges caused by a blow to the hammer or with the hammer set on the proper safety position.



Death, serious injury and damage can result from the use of wrong ammunitions. **For your safety use ONLY factory original high quality ammunitions in good conditions which are appropriate to the caliber of your gun.** **Elli Pietta s.n.c.** shall not be responsible for product malfunctioning, damages, death, injury resulting from the use of defective or improper or hand loaded or reloaded ammunition.



5 ALWAYS handle and treat your gun as if it were loaded so you never fire it accidentally when you think it is unloaded. **NEVER** think it is unloaded. **NEVER** take anyone's word it is unloaded. **ALWAYS** check it yourself with your fingers off the trigger and the gun pointed in a safe direction at all times, including while loading. **NEVER** lean over the muzzle.

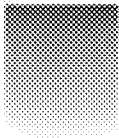


6 NEVER keep or carry any revolver with the hammer cocked. Cocking the gun or pulling the trigger should only be done when you are ready to shoot immediately.

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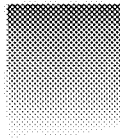


This way, your gun cannot be unintentionally fired.

- 7** ALWAYS leave your fingers out of the trigger until you start firing. **Note: safety devices on guns are extras and do not substitute for safe handling.**
- 8** NEVER perch the gun on the half-cock notch as it may fall and discharge, causing damage to property, injury or death. The half cock position provides only partial security from accidental discharges. If damaged or modified it provides NO Safety. NEVER depend on this device to prevent accidental discharge!
- 9** ALWAYS keep the muzzle pointed in a safe direction. This way, if it fires accidentally, personal injury, death or damage to property can be prevented. This is especially important when loading and unloading your gun. NEVER let the muzzle of the firearm point at any part of your body or at another person or at anything you do not intend to shoot, even if you think it is unloaded. ALWAYS be certain of your target before firing.
- 10** ALWAYS unload all firearms when not in use. NEVER store or transport a loaded firearm. Firearms and ammunition should be safely stored separately in locked receptacles minimizing the risk that the gun and ammunition could be easily available for loading and firing.
- 11** ALWAYS store your firearms out of sight and reach of children or visitors.
- 12** ALWAYS make sure your gun is not loaded before cleaning, storing or travelling or before laying it down, or handing it to another person for use.
- 13** NEVER climb a tree, fence or wall while carrying a loaded firearm. NEVER leave a loaded gun unattended or resting against a tree, fence or wall. Someone, especially a child, may fire it and cause injury, death or damage to property.

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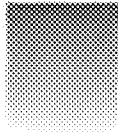


- 14** NEVER shoot at a hard surface or at water. A bullet may ricochet and travel in unpredictable directions to strike you or an object you cannot see, causing injury, death or damage to property.
- 15** NEVER fire your gun near an animal as the animal's startled reaction could result in injury or accidents.
- 16** Firearms and alcohol don't mix. NEVER drink alcoholic beverage or take drugs before or during shooting sessions, as this constitutes criminal disregard for your safety and that of others. NEVER use a gun while you are taking medication unless you have checked with your doctor to ensure your fitness to handle your gun safely.
- 17** Be particularly careful when unloading the revolver to check the cylinder to be certain a live round does not remain in it.
- 18** Keep all persons nearby to the rear of the shooter. Standing beside or in front of the shooter is not safe. Flames, hot gases and fragments might fly from the side of the gun causing serious injury.
- 19** If you have any doubts about your ability to handle or use this gun safely DO NOT handle or use this gun. You must seek supervised instruction before doing so.
- 20** Horseplay has no place around firearms. Guns can't think, you can.
- 21** REMEMBER, SAFETY IS YOUR RESPONSIBILITY. BE A SAFE SHOOTER AND USE COMMON SENSE AT ALL TIMES.



WARNING:
 DEATH, SERIOUS INJURY, AND PROPERTY DAMAGE CAN RESULT FROM THE USE OF WRONG AMMUNITION, HOPE OBSTRUCTIONS, POWDER OVERLOADS, OR INCORRECT COMPONENTS!

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Death, serious injury and damages can result from the use of wrong caliber ammunition. Elli Pietta snc shall not be responsible for physical injury, death or damage to property resulting from the use of wrong ammunition.

23

Water, snow, mud, excess of lubricant oil or grease or any other material can obstruct the barrel of your gun and cause injury or fatality. **ALWAYS** check the barrel of your firearm for obstruction before loading and firing. If you observe any obstruction, **IMMEDIATELY** clean the gun to ensure your gun will function correctly and safely.



WARNING:

FAILURE TO WEAR EYE PROTECTION CAN RESULT IN EYE INJURY!

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ALWAYS wear safety glasses while shooting to protect your eyes from injury by gun powder, hot gases, lubricant, dirt or metallic particles, carbon residue, sparks or other debris. **ALWAYS** wear safety glasses when disassembling and cleaning any gun to prevent the possibility of springs, spring tension parts, solvents, or other agents from entering and irritating your eyes.



WARNING:

EXPOSURE TO SHOOTING NOISE CAN RESULT IN PERMANENT HEARING LOSS!

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ALWAYS use the due cautions. **ALWAYS** wear and encourage others near you to wear ear protection when shooting, especially on a range. Without ear protection, the noise from your gun, and other guns close to you, could leave a "ringing" in the ears for some time after firing. Repeated exposure to shooting noise could result in permanent hearing loss.



SINGLE ACTION

HANDLING

The term "Single Action" means that the hammer of your revolver must be manually drawn fully rearward, or "cocked", before firing each shot. In the process of cocking your revolver, you should note that there are three separate hammer positions, each one having its purpose.

1 BASIC SAFETY AND "AT REST" POSITION

Draw the hammer backward of about 1/4" and you will feel the hammer "click" into its safety notch. (If you listen carefully, you can hear it). In doing this you are engaging its normal internal safety notch and, at the same time, activating the built-in-hammer block mechanism. This device puts a plate of steel between the hammer and frame of your gun and is designed to prevent accidental firing. Your revolver should always be in this "at rest" position whenever you are not actually shooting (see fig. 1).

2 LOADING/UNLOADING (HALF COCK) POSITION

Draw the hammer back to the next second-notch position (you can also hear this click if you listen carefully). In doing this, you actually disengage the cylinder of your revolver and allow it to freely rotate in the direction of the loading gate. This permits you to load or unload your revolver when you open the loading/unloading gate on the right rear side of the frame (see fig. 2).

3 BEING (FULL COCK) POSITION

Draw the hammer fully rearward to its full-cock notch. Make sure it clicks into this rearmost position. Your revolver is now ready to fire (see fig. 3).

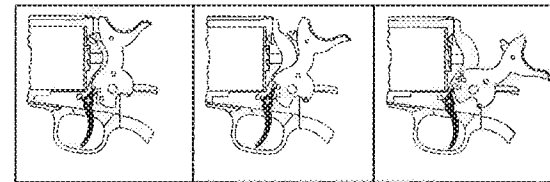


FIG. 1

FIG. 2

FIG. 3



CAUTION:

NEVER ATTEMPT TO FIRE YOUR REVOLVER IN ANY POSITION EXCEPT THE FULL-COCK POSITION. ATTEMPTING TO PULL THE TRIGGER IN THE SAFETY POSITION OR HALF-COCK POSITION WILL STRAIN THE MECHANISM AND POSSIBLY MAKE IT UNSAFE. IT MIGHT EVEN BREAK IF YOU ARE STRONG ENOUGH!

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SMALL ACTION

DECOCKING (UNCOCKING) THE REVOLVER

If you have your revolver in the full-cock position and change your mind and don't want to shoot, carefully follow these steps:

- 1 Make certain that the revolver is pointing in a safe direction.
- 2 Make certain both hands are dry and not impeded in any way-gloves, bandages, cold, etc.
- 3 Fully draw the hammer back with your thumb and continue holding it fully rearward while pulling the trigger backward. Hold the trigger and hammer back in this position.
- 4 While holding the trigger back, slowly lower the hammer downward, past its half-cock notch. **REMEMBER, YOU ARE LOWERING IT TOWARD A LIVE ROUND!** Be careful and keep it pointed in a safe direction.
- 5 When past the half-cock notch, release pressure on the trigger and take your finger out of the trigger guard.
- 6 Continue to lower the hammer to its safety notch position.

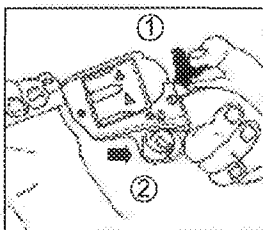


FIG. A

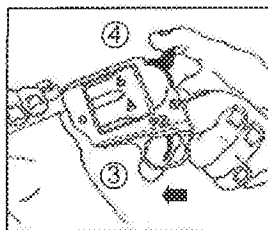
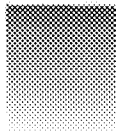


FIG. B

Fig. A - With the thumb controlling the hammer as shown above, (1) squeeze trigger to permit hammer to break free (2).

Fig. B - When hammer is free, immediately release trigger (3). Then lower hammer slowly to its resting position completely down against frame (4).



CAUTION:

YOU SHOULD PRACTICE THIS IMPORTANT GUN HANDLING SKILL WITH AN UNLOADED REVOLVER UNTIL YOU HAVE DEVELOPED THE PROPER CONTROL AND "TOUCH" TO DECOCK YOUR REVOLVER SAFELY.



CAUTION:

USE EXTREME CARE WHEN ATTEMPTING TO DECOCK THE REVOLVER. AS THE THUMB SLIPPING DURING THIS PROCESS CAN RESULT IN AN ACCIDENTAL DISCHARGE IF THE TRIGGER IS HELD TO THE REAR.



CAUTION:

REMEMBER, WHEN YOU FULLCOCK YOUR REVOLVER TO SHOOT IT AGAIN, YOU ROTATE THE CYLINDER. WHEN YOU DECOCKED YOUR REVOLVER AND DECIDED NOT TO FIRE, THAT ROUND IS STILL LIVE IN THE CYLINDER AND WILL ROTATE BACK TOWARDS THE FIRING PIN POSITION WITH EACH COCKING.

DO NOT FORGET ABOUT THIS ROUND. If you fired rounds prior to the decocking operation and start firing again, the hammer will fall on one or more empty cylinders and still will fall on the live round. **BE EXTREMELY CAREFUL OF THIS LIVE ROUND.**

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SINGLE ACTION

LOADING AND FIRING

Although the Single Action Revolvers are often referred to as "Six-shooters" it was customary in the Old West to only load five rounds in the gun and leave the chamber under the hammer empty. This is by far the safest way to load a single action revolver.



CAUTION:

WE STRICTLY RECOMMEND TO ONLY LOAD FIVE ROUNDS AND LEAVE THE CHAMBER UNDER THE FIRING PIN EMPTY. IF THE REVOLVER IS LOADED PROPERLY IN THIS MANNER, IT WOULD BE IMPOSSIBLE FOR THE GUN TO ACCIDENTALLY FIRE SHOULD IT BE DROPPED ON THE HAMMER.



CAUTION:

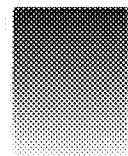
DO NOT LOAD THE REVOLVER UNTIL YOU ARE READY TO USE IT. READ SAFETY PRECAUTIONS. KEEP GUN POINTING IN A SAFE DIRECTION. ALWAYS KEEP YOUR FINGERS AWAY FROM THE TRIGGER WHENEVER YOU DO NOT INTEND TO FIRE.



WARNING!

USE ONLY FACTORY MADE AMMUNITION. THE MATERIALS OF THIS FIREARM HAVE BEEN SELECTED ACCORDING TO THE FACTORY MADE AMMUNITION PRESSURES. THE RIFLING AND THE CHAMBER SIZE OF THIS FIREARM HAVE BEEN SELECTED ACCORDING TO THE FACTORY MADE AMMUNITION SIZE.

- 1** Keeping your fingers out of the trigger guard and off the trigger, draw the hammer back to the half cock position which makes the cylinder free to rotate.
- 2** Open the loading gate as far as it will go. This will expose each chamber, one at a time, as you rotate the cylinder.



LOADING AND FIRING

- 3** Make sure you have the exact caliber cartridges matching the exact caliber of the revolver. Then load one cartridge in each chamber.
- 4** Close the loading gate which, as you can see, becomes part of the recoil shield.
- 5** Place the hammer in the safety notch position by drawing it back slightly to disengage it from its half-cock notch position, carefully pull the trigger back, and, holding it back, allow the hammer to travel slowly forward but only far enough to pass its half-cock notch.

NOTE: You will not hear a click as the hammer moves through the half-cock notch. Then release the pressure on the trigger and continue to slowly lower the hammer forward until it clicks into its safety position. **AGAIN, YOU SHOULD PRACTICE THIS LOADING FUNCTION WITHOUT ANY CARTRIDGES UNTIL YOU ARE COMFORTABLE WITH HANDLING THE HAMMER AND ARE FAMILIAR WITH ITS RESPECTIVE NOTCHES.**

- 6** To fire the revolver, the hammer must first be manually cocked. When cocking the hammer, have a firm hold on the grip with the shooting hand and **DO NOT TOUCH THE TRIGGER WHILE COCKING THE HAMMER. TOUCH THE TRIGGER ONLY WHEN YOU ARE READY TO FIRE.** With the fore portion of your thumb firmly on the hammer spur, draw the hammer fully to the rear until it stops. Then permit the hammer to move backward slightly until the trigger engages in the hammer at full cock.
- 7** Once the hammer has been cocked, a light pressure on the trigger will disengage the trigger from the hammer. The hammer will fall forward and the revolver will fire.

After firing, the hammer will remain down. To fire subsequent shots, fully release the trigger and repeat steps 6 & 7 above for each shot.

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SAFETY ACTION

UNLOADING



CAUTION:

ALWAYS KEEP THE REVOLVER POINTED IN A SAFE DIRECTION. IF THE HAMMER IS COCKED IT MUST FIRST BE DECOCKED. DO NOT TOUCH TRIGGER AND ALWAYS KEEP HANDS AWAY FROM MUZZLE.

1 Draw the hammer to its half-cock position and open the loading gate on the right rear part of the frame.

2 Push out each cartridge or empty case with the ejector rod located under the barrel. Operate the ejector rod in each chamber to its full length to assure full length case ejection.

3 Check to be certain that all cartridges have been removed, then close the gate.



CAUTION:

DO NOT EJECT UNFIRED CARTRIDGES ONTO ANY SURFACES WHERE THE CARTRIDGE PRIMER MIGHT STRIKE A SOLID OBJECT AND DISCHARGE THE CARTRIDGE.

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SINGLE ACTION

CARE AND CLEANING



CAUTION:

ALWAYS MAKE SURE THE REVOLVER IS COMPLETELY UNLOADED BEFORE CLEANING. WEAR SAFETY GLASSES IN CASE YOU LOSE CONTROL OF SOME SPRING-LOADED COMPONENT WHICH COULD INJURE YOUR EYES.

At regular intervals or when the revolver has been exposed to sand, water or other adverse conditions, disassemble, clean and oil it.

Remove the cylinder using the following steps:

1 Open the loading gate.

2 Place the hammer in its half-cock notch.

3 Depress the base pin catch. This is the spring loaded plunger located on the left front side of the frame. Keep it depressed.

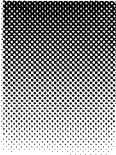
4 Slide the base pin all the way out. The base pin is the heavy pin around which the cylinder rotates (and provides a bearing surface for the cylinder). It should always be clean and lubricated.

5 Remove cylinder toward the loading gate. The cylinder is made to fit your revolver precisely and can be removed and replaced easily, but carefully. It is a close fit, so don't force it to move in any direction.

To reassemble, simply reverse the steps above.

When you reassemble the base pin, make sure the base pin catch snaps back in its regular position. You can test this by making sure the plunger is free to move when you depress it and it returns under its own spring pressure.

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Use a wood, aluminum or brass cleaning rod (not steel), a brass bristle brush and patches appropriate to your revolver's caliber to clean it. Use a good quality cleaning solution to swab the bore and each cylinder. While swabbing the bore always brush all the way through the bore; never try to reverse direction while the brush is actually in the barrel or chamber. After swabbing, run clean patches through the bore and chambers until they come out clean. Then completely, but lightly, oil the entire revolver. Use a good quality brass polish on the backstrap and triggerguard (if made of brass). The brass parts are solid brass and, as such, will tarnish, reflecting their good quality. It is easily removed with any good quality brass polish.



CAUTION:

FIRING A REVOLVER WITH OIL, GREASE, OR ANY OTHER MATERIAL EVEN PARTIALLY OBSTRUCTING THE BORE MAY RESULT IN DAMAGE TO THE REVOLVER AND SERIOUS INJURY TO THE SHOOTER AND THOSE NEARBY. DO NOT SPRAY OR APPLY LUBRICANTS DIRECTLY ON AMMUNITION. IF THE POWDER CHARGE OF A CARTRIDGE IS AFFECTED BY THE LUBRICANT, IT MAY NOT BE IGNITED, BUT THE ENERGY FROM THE PRIMER MAY BE ENOUGH TO PUSH THE BULLET INTO THE BORE WHERE IT MAY BECOME LODGED. FIRING A SUBSEQUENT BULLET INTO THE OBSTRUCTED BORE MAY DAMAGE THE REVOLVER AND CAUSE SERIOUS INJURY OR DEATH TO THE SHOOTER AND THOSE NEARBY. USE LUBRICANTS PROPERLY. YOU ARE RESPONSIBLE FOR THE PROPER CARE AND MAINTENANCE OF YOUR FIREARM.



STORAGE

Always unload your gun and store it and ammunition separately in a locked receptacle out of children's reach and sight, minimizing the risk that the gun and ammunition could be easily available for loading and firing.

USE YOUR REVOLVER CAREFULLY AND SAFELY.



WARNING:

PLEASE REGISTER YOUR GUN
ON OUR INTERNET SITE:

www.pietta.it

**UNLOAD MANUALS' UPDATES
FROM OUR SITE**

**PLEASE HAVE A LOOK AT OUR WEBSITE
FOR ORIGINAL ELI PIETTA
SPARE PARTS DISTRIBUTORS**

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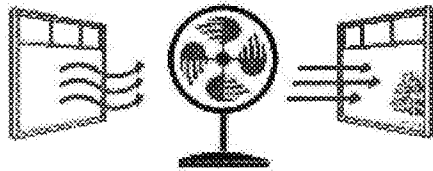
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LEAD EXPOSURE

REDUCING EXPOSURE:

Lead contamination in the air, in dust and on your skin is invisible. **Keep children and pregnant women away** during use and until cleanup is complete. Risk can be reduced-but not eliminated- with strong ventilation; washing hands immediately after use of these products before eating or smoking and careful cleaning of surfaces and floors with disposable wipes, after lead dust has had a chance to settle. Use a lead specific cleaner with EDTA or a high-phosphate detergent (like most detergents sold for electric dishwashers) and big wipes for disposal.



Use strong ventilation

Discharging firearms in poorly ventilated areas, cleaning firearms or handling ammunition may result in exposure to lead and other substances known to the State of California to cause birth defects, reproductive harm and other serious physical injury. Have adequate ventilation at all times. Wash hands thoroughly after exposure. Shooting or cleaning guns may expose you to lead.

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STATE WARNINGS

Certain states require by law that the manufacturer, distributor, or retail dealer provide specific-warning notices with firearms sold in that state. To comply with these laws and regulations, ELI Pietta includes the following warnings:



WARNING:

"CHILDREN ARE ATTRACTED TO AND CAN OPERATE FIREARMS THAT CAN CAUSE SEVERE INJURIES OR DEATH. PREVENT CHILD ACCESS BY ALWAYS KEEPING GUNS LOCKED AWAY AND UNLOADED WHEN NOT IN USE. IF YOU KEEP A LOADED FIREARM WHERE A CHILD OBTAINS AND IMPROPERLY USES IT, YOU CAN BE FINED OR SENT TO PRISON."



WARNING:

"A LOS NIÑOS LOS ATRAEN LAS ARMAS DE FUEGO Y LAS PUEDEN HACER FUNCIONAR. ELLOS PUEDEN CAUSARSE LESIONES GRAVES Y LA MUERTE. EVITE QUE LOS NIÑOS TENGAN ACCESO A LAS ARMAS DE FUEGO GUARDÁNDOLAS SIEMPRE CON LLAVE Y DESCARGADAS CUANDO NO LAS ESTÉ UTILIZANDO. SI USTED TIENE UN ARMA DE FUEGO CARGADA EN UN LUGAR EN QUE UN NIÑO TIENE ACCESO A ELLA Y LA USA INDEBIDAMENTE, LE PUEDEN DAR UNA MULTA O ENVIARLO A LA CARCEL."

Connecticut:

"UNLAWFUL STORAGE OF A LOADED FIREARM MAY RESULT IN IMPRISONMENT OR FINE."

Florida:

"IT IS UNLAWFUL, AND PUNISHABLE BY IMPRISONMENT AND FINE, FOR ANY ADULT TO STORE OR LEAVE A FIREARM IN ANY PLACE WITHIN THE REACH OR EASY ACCESS OF A MINOR UNDER 18 YEARS OF AGE OR TO KNOWINGLY SELL OR OTHERWISE TRANSFER OWNERSHIP OR POSSESSION OF A FIREARM TO A MINOR OR A PERSON OF UNSOUND MIND."

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Maine:

"ENDANGERING THE WELFARE OF A CHILD IS A CRIME. IF YOU LEAVE A FIREARM AND AMMUNITION WITHIN EASY ACCESS OF A CHILD, YOU MAY BE SUBJECT TO FINE, IMPRISONMENT OR BOTH. KEEP FIREARMS AND AMMUNITION SEPARATE. KEEP FIREARMS AND AMMUNITION LOCKED UP. USE TRIGGER LOCKS."

Maryland:

"WARNING: CHILDREN CAN OPERATE FIREARMS WHICH MAY CAUSE DEATH OR SERIOUS INJURY. IT IS A CRIME TO STORE OR LEAVE A LOADED FIREARM IN ANY LOCATION WHERE AN INDIVIDUAL KNEW OR SHOULD HAVE KNOWN THAT AN UNSUPERVISED MINOR WOULD GAIN ACCESS TO THE FIREARM. STORE YOUR FIREARM RESPONSIBLY!"

Massachusetts:

"WARNING FROM THE MASSACHUSETTS ATTORNEY GENERAL: THIS HANDGUN IS NOT EQUIPPED WITH A DEVICE THAT FULLY BLOCKS USE BY UNAUTHORIZED USERS. MORE THAN 200,000 FIREARMS LIKE THIS ONE ARE STOLEN FROM THEIR OWNERS EVERY YEAR IN THE UNITED STATES. IN ADDITION, THERE ARE MORE THAN A THOUSAND SUICIDES EACH YEAR BY YOUNGER CHILDREN AND TEENAGERS WHO GET ACCESS TO FIREARMS. HUNDREDS MORE DIE FROM ACCIDENTAL DISCHARGE. IT IS LIKELY THAT MANY MORE CHILDREN SUSTAIN SERIOUS WOUNDS, OR INFLICT SUCH WOUNDS ACCIDENTALLY ON OTHERS. IN ORDER TO LIMIT THE CHANCE OF SUCH MISUSE, IT IS IMPERATIVE THAT YOU KEEP THIS WEAPON LOCKED IN A SECURE PLACE AND TAKE OTHER STEPS NECESSARY TO LIMIT THE POSSIBILITY OF THEFT OR ACCIDENT. FAILURE TO TAKE REASONABLE PREVENTIVE STEPS MAY RESULT IN INNOCENT LIVES BEING LOST, AND IN SOME CIRCUMSTANCES MAY RESULT IN YOUR LIABILITY FOR THESE DEATHS."

"IT IS UNLAWFUL TO STORE OR KEEP A FIREARM, RIFLE, SHOTGUN OR MACHINE GUN IN ANY PLACE UNLESS THAT WEAPON IS EQUIPPED WITH A TAMPER-RESISTANT SAFETY DEVICE OR IS STORED OR KEPT IN A SECURELY LOCKED CONTAINER."

New Jersey:

"IT IS A CRIMINAL OFFENSE TO LEAVE A LOADED FIREARM WITHIN EASY ACCESS OF A MINOR."

New York City:

"THE USE OF A LOCKING DEVICE OR SAFETY LOCK IS ONLY ONE ASPECT OF RESPONSIBLE WEAPONS STORAGE. ALL WEAPONS SHOULD BE STORED UNLOADED AND LOCKED IN A LOCATION THAT IS BOTH SEPARATE FROM THEIR AMMUNITION AND INACCESSIBLE TO CHILDREN AND ANY OTHER UNAUTHORIZED PERSONS."

North Carolina:

"IT IS UNLAWFUL TO STORE OR LEAVE A FIREARM THAT CAN BE DISCHARGED IN A MANNER THAT A REASONABLE PERSON SHOULD KNOW IS ACCESSIBLE TO A MINOR."

Texas:

"IT IS UNLAWFUL TO STORE, TRANSPORT, OR ABANDON AN UNSECURED FIREARM IN A PLACE WHERE CHILDREN ARE LIKELY TO BE AND CAN OBTAIN ACCESS TO THE FIREARM."

Wisconsin:

"IF YOU LEAVE A LOADED FIREARM WITHIN THE REACH OR EASY ACCESS OF A CHILD YOU MAY BE FINED OR IMPRISONED OR BOTH IF THE CHILD IMPROPERLY DISCHARGES, POSSESSES, OR EXHIBITS THE FIREARM."

Please also check with your licensed retailer or state police for additional warnings which may be required by local law or regulation. Because such regulations are subject to change, local authorities are in the best position to advise you on such legal matters.

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NONNOMENCLATURA - NONNOMENCLATURE

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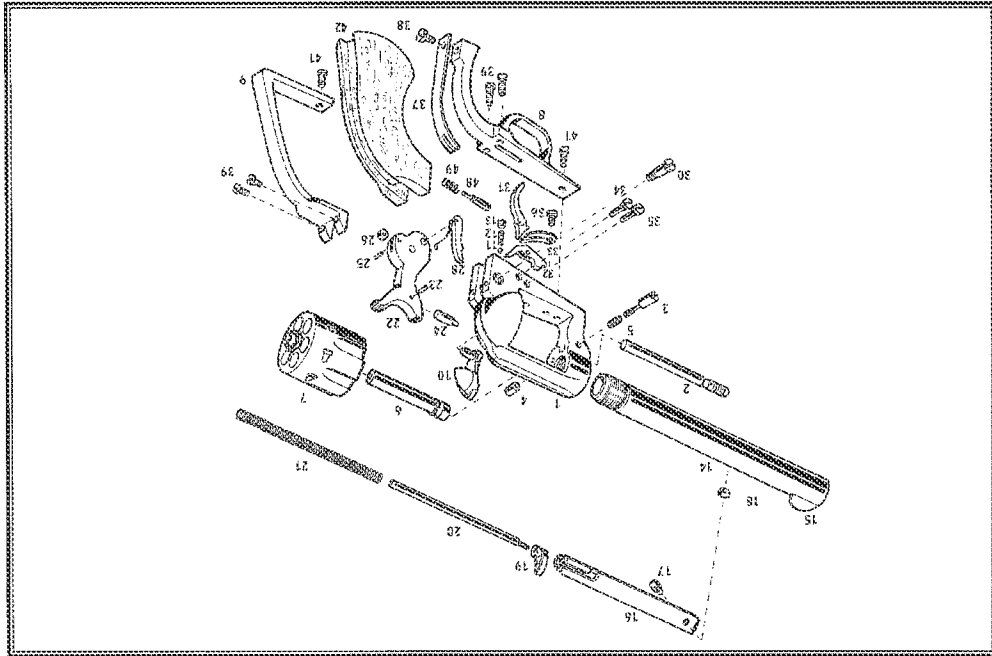


1873 Single Action

1 CASTELLO BARRE	13 GRANO SPORTELLO GATE LATCH SCREW	25 SPINA RONDELLA CANE HAMMER ROLLER PIN	29 VITE BACETTA VITE LUNGA BACKSTRAP REAR SCREW
2 PERNO CASTELLO BASE PIN	14 CARNA BARRE	26 RONDELLA CANE HAMMER ROLLER	31 VITE BACETTA VITE CORTE BACKSTRAP FRONT SL SCREW
3 PERNO BILDCAGGIO PERNO CAST BASE PIN LATCH	15 BIRINDO BROUET SCREW	28 LEVA ROTAZIONE TAMBURO HAND	32 GUANCIA HAND
4 VITE BACETTA BASE PIN LATCH NUT	16 TUBETTO ESPULSORE EXTRACTOR BUSHING SCREW	30 VITE CANE HAMMER SCREW	33 GUIDA MOLLA RICAMBIO LEVA ROTAZIONE TAMBURO SCREW FOR ALL SPRING GUIDE
5 MOLLA PULSANTE PERNO BASE PIN LATCH SPRING	17 VITE BSSAG TUBETTO ESPULSORE EXTRACTOR BUSHING SCREW	31 GRILLETTO TRIGGER	34 MOLLA ESTERNO LEVA ROTAZIONE TAMBURO SCREW FOR ALL SPRING
6 TUBETTO GUIDA TAMBURO BASE PIN BUSHING	18 BUSSOLA ANCORAGGIO TER. ESP. EXTRACTOR BUSHING SCREW BUSHING	32 NOTOLINO BOLT	35 RISERVO BACCIOLA BUSHING FOR REAR COVER
7 TAMBURO CYLINDER	19 MANFRETTO ESPULSORE EXTRACTOR HEAD	33 MOLLA GRILLETTO/NOTOLINO TRIGGER & BOLT SPRING	
8 SOTTOGLABRINA TRIGGER GUARD	20 ASTA ESPULSORE EXTRACTOR ROD	34 VITE DEL GRILLETTO TRIGGER SCREW	
9 BACETTA BACKSTRAP	21 MOLLA ESPULSORE EXTRACTOR SPRING	35 VITE DEL NOTOLINO BOLT SCREW	
10 SPORTELLO GATE	22 CANE HAMMER	36 VITE MOLLA GRILLETTO TRIGGER SPRING SCREW	
11 PERNO CONTRASTO SPORTELLO GATE CATCH	23 SPINA PERCUSSIONE HAMMER PIN BUSH	37 MOLLA CANE HAMMER SPRING	
12 MOLLA PERNO SPORTELLO GATE SPRING	24 PERCUSSIONE HAMMER PIN	38 VITE MOLLA CANE REAR SPRING SCREW	

SI PREGA DI SPECIFICARE SEMPRE IL CALIBRO E IL TIPO DI BRITURA DELLA ARMA.
 WITH PLACING YOUR ORDER FOR SPARE PARTS, PLEASE SPECIFY THE REFERENCE CODE AND CALIBER OF THE GUN.

1878
SUNBELT
AUCTION



17

2021-02245-3

JUL 26 2022

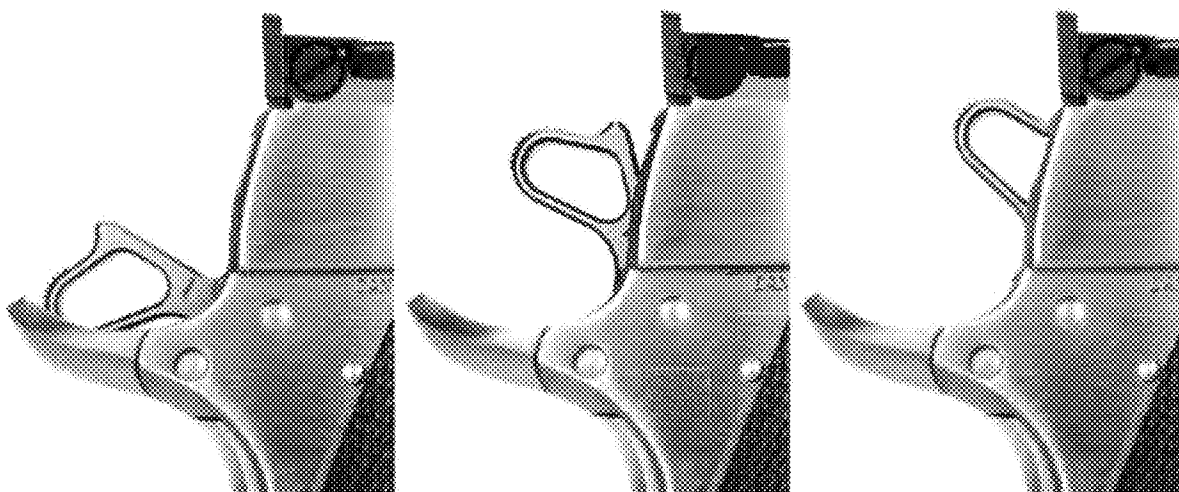
SS/SS

Half-Cock Notch: Safe or Not?

by GEORGE HARRIS posted on October 17, 2018
JHS

Support NRA Shooting Illustrated

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In a recent discussion, the subject of half-cock notches came up as to whether or not they could or should be considered a safety mechanism. To my way of thinking, leaving the hammer in the half-cock notch when not shooting is an excellent way to ensure the gun won't fire until I'm ready to fire it. I'd like your perspective as to whether my logic is sound.

Robert Adams, Houston, TX

Half-cock notches are found on many firearms with exposed hammers. They are found on shotguns, rifles, revolvers and pistols from a variety of manufacturers. In some guns they are considered active safeties and passive in others. The difference is one is manually operated, while the other is mechanically operated internally—without human intervention.

An example of a mechanically operated variant could be demonstrated by how a hammer-fired single-barrel shotgun works: Once fired, the hammer is left resting against the firing pin. Upon opening the shotgun to remove the fired shell, the hammer is cammed back slightly to engage a half-cock notch, which holds the hammer away from the firing pin until it is manually cocked and the trigger is pulled to fire another shot. If this weren't the case, and the hammer were left resting on the firing pin, this could cause a failure of the barrel to close due to the firing pin protruding from the breechface, or the possibility of an unintentional discharge from an unexpected blow to the hammer while resting against the firing pin.

Many lever-action rifles have external hammers with half-cock notches. For many years, this was considered an adequate safety position for the hammer when the rifle was in the carry mode. The problem is, when the rifle is loaded and a round chambered, the hammer is left in the cocked position. The only way to release it to the half-cock notch is to pull the trigger and ease the hammer forward with the thumb or finger. For those with minimal dexterity or just not paying attention, this creates a dangerous potential to release the hammer too quickly or too far forward. In either case, an unexpected discharge could occur. To eliminate the potential hazard, many recently manufactured lever-action rifles have a manual safety to block the hammer from contacting the firing pin.

Quite a few single-action revolvers have a half-cock notch. On these revolvers, the notch is not considered a safe position for carry conditions. In fact, for years it was customary to carry these guns with the hammer fully forward on an empty chamber. Many single-action revolvers of modern manufacture have built-in safety mechanisms, blocking the hammer or firing pin and reducing the need for the empty chamber under the hammer. Always heed the owner's manual applicable to your particular model of single-action revolver, as they sometimes vary from brand to brand in their manual-of-arms.

2021-02245-3

JUL 26 2022

[Handwritten signature]

56/57

The most widely known semi-automatic pistol possessing a half-cock notch is the age-old 1911. Contrary to popular belief, the half-cock notch on the hammer of the 1911 is not a carry location. Rather, it is a passive safety to keep the hammer from striking the firing pin should the single-action notch on the hammer or the sear-engagement surfaces fail to maintain their intended relationship. There are two points to remember here: First, in order for a loaded 1911 to be placed in the half-cock notch, the trigger has to be pulled and the hammer has to be manually lowered to the half-cock notch, as with the lever-action rifle.

This creates the potential problem of inadvertent release of the hammer, which has the possibility of striking the firing pin with sufficient force to fire the pistol. The second involves something I discovered and proved multiple times while working as an expert witness in legal cases involving the unintentional discharge of 1911s with the hammer resting at the half-cock notch. In more than half of the test attempts, the energy of the hammer of a stock 1911 pistol was sufficient to fire the gun from the half-cock position. Hence my reasoning for following most 1911 manufacturer's recommendations and not using the half-cock notch as a safe means of carrying a loaded pistol.

The best advice regarding the use and description of the half-cock notch is to read and follow your particular firearm's owner's manual.

2021-02245-3

JUL 26 2022

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2/2

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FEDERAL BUREAU OF INVESTIGATION
Laboratory Examination Request**Title:** (U) Request for Laboratory Examinations**Date:** 10/28/2021**From:** ALBUQUERQUE

AQ-SERA

Contact: Jose A Cortez, 505-250-1470

CR3 & CR7

CC: Evidence (OST)

2021-02245 #1

Approved By: SSRA Luther T. Seals**Drafted By:** Jose A Cortez

Ziegler

Case ID #: 343A-AQ-3514414 (U) SHOOTING DEATH;
HALYNA HUTCHINS - VICTIM (DECEASED);
SANTA FE COUNTY SHERIFF'S OFFICE -
LABORATORY ASSISTANCE**Synopsis:** (U) The Laboratory Division is requested to perform the examination services listed below.**Full Investigation Initiated:** 10/27/2021**Details:** (U)**NARRATIVE:**

On 10/21/2021, a shooting death occurred at the Bonanza Creek Ranch in Santa Fe, New Mexico, on the movie set of "Rust." As reported by multiple media sources, actor Alexander Rae BALDWIN also known as "Alec Baldwin" had been handed a "cold gun" for a scene in which he pressed the trigger of the gun, and unknowingly fired a projectile striking and killing Halyna HUTCHINS and causing an injury to Joel SOUZA. The Santa Fe County Sheriff's Office has opened a criminal investigation into the matter and has requested the FBI provide laboratory assistance. Writer is requesting that the following examinations be conducted.

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Evidence Item 1B1: a deoxyribonucleic acid (DNA) examination, latent prints and firearms examination.

Evidence Items 1B2, 1B3, 1B5, 1B6 and 1B7: latent prints and firearm examinations.

PERSONS OF INTEREST:

NAME: Alexander Rae BALDWIN

DOB: [REDACTED]

SSN: [REDACTED]

ADDRESS: [REDACTED] [REDACTED] [REDACTED] [REDACTED]

DEADLINES: Priority (7 Days)

EVIDENCE:

Select from the options below:

X	Physical evidence is being submitted to the Laboratory (please use the evidence card to select the specific evidence items pertaining to this request)
	Electronic evidence is being forwarded to the Laboratory (either attached or via email)
	This is a request for Laboratory services with no evidence being submitted

EXAMINATION REQUEST:

Select an option:

X	The Laboratory should conduct all exams deemed appropriate
	The Laboratory should conduct only the exams specified in this request

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	(note that some exams will preclude other exams in the future)
	The Laboratory should contact the author to discuss exams

If DNA is requested, select an option:

Due to the amount of DNA present, it may be necessary to consume the associated sample during the examination process. Where, possible examiners will try to preserve items/stains for future re-examination.

X	Permission is granted to consume items/stains during the DNA testing process
	Permission is NOT granted to consume items/stains during the DNA testing process
	Contact the author to discuss permission to consume items/stains during the DNA testing process

Evidence:

Item / Type	Barcode	Description	Collected On	Discovery Area/Specific
I ₂ 1B1 Firearm	E6842161	(U) F. LLI Pietta 1873 SA EMF 3A, Serial number: E52277 45LC revolver ***ATF Trace: T20210474194***	10/27/2021	
I ₈ trash 10/30 13 1B2 General	E6842162	(U) One (1) white color box containing thirty- six (36) suspected dummy rounds and one (1) "45 Colt" round containing suspected powder, one (1) white in color box containing fifty (50) suspected	10/27/2021	

UNCLASSIFIED

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		blank rounds		
1B3 General <i>I3</i>	E6842163	(U) One (1) spent "45 Colt" round with silver in color primer	10/27/2021	top of cart southwest building
1B4 General <i>I1</i>	E6842164	(U) One (1) projectile removed from victim Joel Souza	10/27/2021	
1B5 General <i>I405</i>	E6842165	(U) Two (2) "45 Colt" rounds containing suspected powder and silver in color primer	10/27/2021	top of cart southwest building
1B6 General <i>I6</i>	E6842166	(U) One (1) "45 Colt" rounds containing suspected powder and silver in color primer	10/27/2021	youth size bandolier on top of cart southwest building
1B7 General <i>I7</i>	E6842167	(U) One (1) "45 Colt" rounds containing suspected powder and silver in color primer	10/27/2021	Item #22 (SFSO) brown in color holster located inside of building



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FEDERAL BUREAU OF INVESTIGATION
Laboratory Examination Request

Title: (U) Request for Laboratory Examinations

Date: 12/14/2021

From: ALBUQUERQUE
AQ-SFRA

Contact: Jose A Cortez, 505-250-1470

CR15

CC: Evidence (OST)

2021-02245 #3

Approved By: SSRA Luther T. Seals

Drafted By: Jose A Cortez

Ziegler

Case ID #: 343A-AQ-3514414 (U) SHOOTING DEATH;
HALYNA HUTCHINS - VICTIM (DECEASED);
SANTA FE COUNTY SHERIFF'S OFFICE -
LABORATORY ASSISTANCE

Synopsis: (U) The Laboratory Division is requested to perform the examination services listed below.

Full Investigation Initiated: 10/27/2021

Details: (U)

NARRATIVE: On 10/21/2021, a shooting death occurred at the Bonanza Creek Ranch in Santa Fe, New Mexico (NM), on the movie set of "Rust." As reported by multiple media sources, actor Alexander Rae BALDWIN also known as "Alec Baldwin" had been handed a "cold gun" for a scene in which he pressed the trigger of the gun, and unknowingly fired a projectile striking and killing Halyna HUTCHINS and causing an injury to Joel SOUZA. The Santa Fe County Sheriff's Office has opened a criminal investigation into the matter and has requested the Federal Bureau of Investigation to conduct the following examinations.

Evidence Items 1B12: ballistic analysis, deoxyribonucleic acid (DNA)

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and latent print examinations compared to Alexander Rae BALDWIN, Hannah GUTIERREZ, Sarah ZACHRY, and David HALL (Evidence Items 1B8, 1B9, 1B10, 1B11, 1B13, 1B14, 1B17, 1B18, 1B23, and 1B24).

Evidence Items 1B15, 1B16, 1B19, 1B20, 1B21, and 1B22: ballistic analysis and gun powder comparisons to the ammunition from the crime scene (Evidence Items 1B2, 1B5, 1B6, and 1B7).

PERSONS OF INTEREST:

NAME: Alexander Rae BALDWIN

DOB: REDACTED

SSN: REDACTED

ADDRESS: REDACTED

DEADLINES: Routine (60 Days)

EVIDENCE:

Select from the options below:

X	Physical evidence is being submitted to the Laboratory (please use the evidence card to select the specific evidence items pertaining to this request)
	Electronic evidence is being forwarded to the Laboratory (either attached or via email)
	This is a request for Laboratory services with no evidence being submitted

EXAMINATION REQUEST:

Select an option:

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X	The Laboratory should conduct all exams deemed appropriate
	The Laboratory should conduct only the exams specified in this request (note that some exams will preclude other exams in the future)
	The Laboratory should contact the author to discuss exams

If DNA is requested, select an option:

Due to the amount of DNA present, it may be necessary to consume the associated sample during the examination process. Where, possible examiners will try to preserve items/stains for future re-examination.

X	Permission is granted to consume items/stains during the DNA testing process
	Permission is NOT granted to consume items/stains during the DNA testing process
	Contact the author to discuss permission to consume items/stains during the DNA testing process

Evidence:

Item / Type	Barcode	Description	Collected On	Discovery Area/Specific
1B12 General <i>I20 through 22</i>	E6842262	(U) One (1) white in color box with writing "Dummy Rounds 45LC" containing sixteen (16) "45 Colt" suspected dummy rounds with ball bearings and silver in color primers and one (1) "45 Colt" round with silver in color primer, suspected live round	12/13/2021	Prop truck
1B13 General	E6842263	(U) Fingerprint/palm	12/13/2021	

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		print standards from Hannah Gutierrez		
1B14 General	E6842264	(U) Two (2) buccal swabs from Hannah Gutierrez	12/13/2021	
I23	E6842265	(U) One (1) "Winchester 45 Colt" suspected live round	12/13/2021	Seth Kenney
I24 + 25	E6842266	(U) Six (6) suspected live round: four (4) "45 Colt," one (1) "G.F.L. 45 Colt," and one (1) "CBC 45 Colt" rounds	12/13/2021	Seth Kenney
1B17 General	E6842267	(U) Fingerprint/print standards from Sarah Zachry	12/13/2021	
1B18 General	E6842268	(U) Two (2) buccal swabs from Sarah Zachry	12/13/2021	
I26 through I31	E6842269	(U) Two (2) white in color boxes with writing "45LC" containing fifty-nine (59) total suspected live rounds	12/13/2021	126 Monroe St, Albuquerque, NM
I32	E6842270	(U) One (1) "BHA 45 Colt" suspected live round	12/13/2021	126 Monroe St, Albuquerque, NM
I33 + 34	E6842271	(U) Five (5) "45 Colt" suspected live rounds	12/13/2021	126 Monroe St, Albuquerque, NM
I35 through I37	E6842272	(U) Nine (9) "AP 45 Colt" suspected live rounds with silver in color primers	12/13/2021	126 Monroe St, Albuquerque, NM

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1B23 General	E6842273	(U) Fingerprint/pa print standards from David Hall	12/13/2021	
1B24 General	E6842274	(U) Two (2) buccal swabs from David Hall	12/13/2021	

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(04/15/21)

DRAFT for Tech Review Only

Date: 4/8/2022 /Preparer: Gilpin, Megan
Laboratory #: 2021-02245-3 /Item(s): 2
Packaging: Sealed box

Examiner: Ziegler, Bryce

General Description:

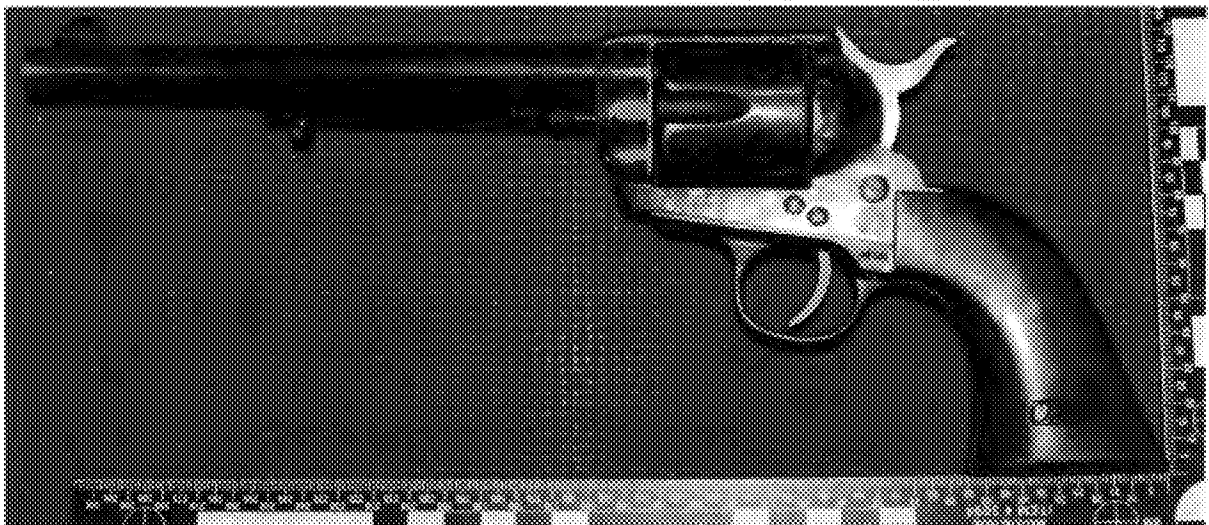
Make: F.lli Pietta (Italy), Imported by Early and Modern Firearms (EMF)	Model: 1873 SA, imported as model SA Californian	Cal: .45 Colt (.45 Long Colt)	
Type: Revolver, single action	Safety: quarter cock, half cock	SN: E52277	
Bf: Parallel, some crosshatch	FPI: Hemispherical	Ejt: N/A o'clock	Ext: N/A o'clock
Marked: Trigger guard and barrel		BL: 7 1/2 in.	OAL: 13 1/16 in.
Performance Check: #16 ruler OK 6/14/22 BZ	Instrument(s): F2714087		
Rifling: 6 right	LI width: 0.064-0.068 in.	GI width: 0.159-0.161 in.	
Subclass: None observed, no impact	EOMM: MOV - cartridge case, bullets		
3D instrument entry: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes, see entry date	Entry date: N/A		

Function & TP examinations:

FNWTF: Yes	Note: N/A
Mag: <input checked="" type="checkbox"/> N/A <input type="checkbox"/> RFC mag <input type="checkbox"/> Other	Cap: visually inspected, see Count
Mag Item #: N/A - cylinder	Count: 6
SA: 2-2 1/2 lbs.	DA: N/A lbs.

Database Searches:

NIBIN: No, revolver type	Note: N/A
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Item 2 is a .45 Colt (.45 Long Colt) caliber F.lli Pietta revolver, Model 1873 SA (Californian)

JUL 12 2022

(04/15/21)

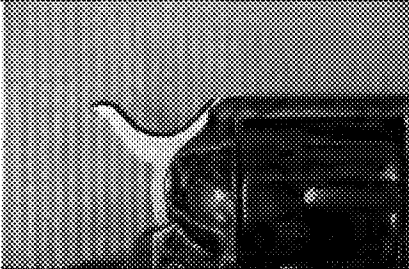
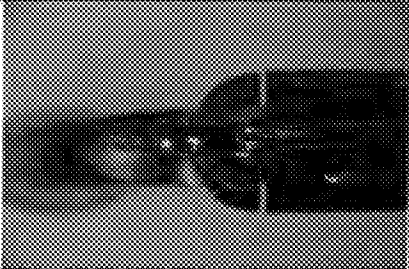
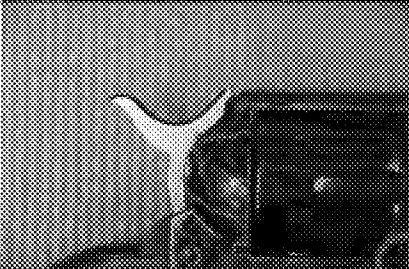
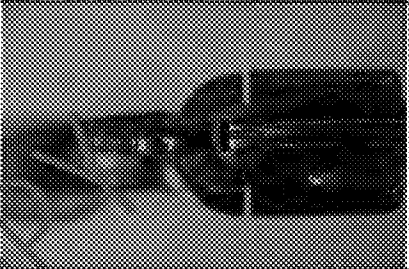
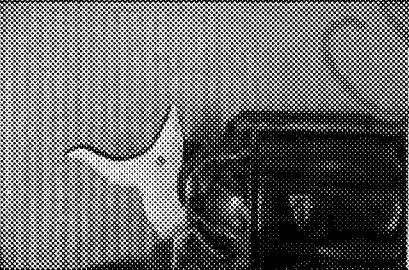
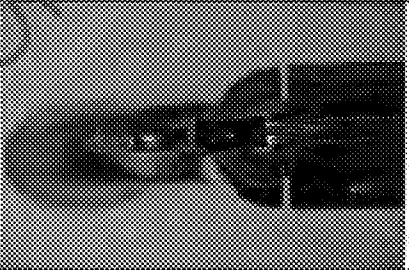
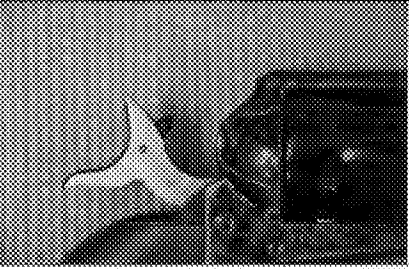
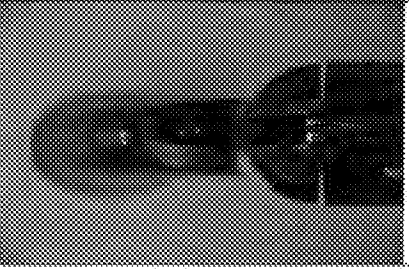
DRAFT For Techs Review Only

Date: 4/8/2022 / Preparer: Gilpin, Megan *EG*
Laboratory #: 2021-02245-3 / Item(s): 2
Packaging: Sealed box

Examiner: Ziegler, Bryce

Hammer positions:

Photographs depicting the various stages of cocking the hammer:

Hammer at rest		
1/4 cock position		
1/2 cock position		
Full cock position		

(04/15/21)

DRAFT for Tech Review Only

Date: 4/8/2022 /Preparer: Gilpin, Megan
Laboratory #: 2021-02245-3 /Item(s): 2
Packaging: Sealed box

Examiner: Ziegler, Bryce

Accidental discharge testing (¼ and ½ cock):

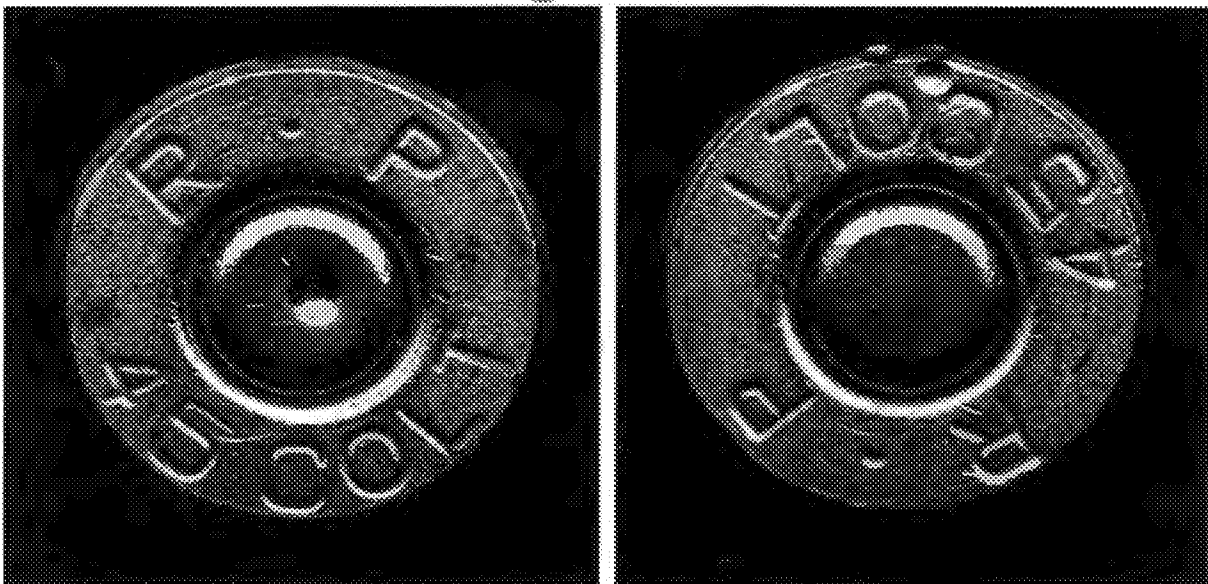
The two safety notches (¼ and ½ cock) were tested to determine if overcoming the safeties would provide sufficient force for the firing pin to fire a cartridge. The ¼ and ½ cock safeties could be overcome with sufficient pressure on the trigger, this was measured to be approximately 11-11 ½ pounds using arsenal weights.

has
In the ¼ cock setting: applying sufficient pressure to the trigger released the hammer which created a light firing pin strike. This process was repeated with the same cartridge ten times to determine if repeated strikes on the same primer would ~~provide sufficient force to fire the cartridge, which did not fire the cartridge.~~

cause the cart. did to fire, has
In the ½ cock setting: the cylinder could not be made to be "in time"/in alignment with the barrel. Cocking the hammer halfway begins the rotation of the cylinder. After applying sufficient pressure to the trigger to overcome the half cock safety, the firing pin struck the cartridge on the outer headstamp area, not the primer. This was attempted three times and it was determined that it was not physically possible for the firing pin to strike the primer from this position. Additionally, it was not possible to manually rotate the cylinder into alignment due to grooves in the cylinder.

has
Result: The firearm could not be made to fire the cartridge with the hammer in the ¼ and ½ cock setting.

COPY
BSD Z 7/12/22



Light firing pin strike observed after ¼ cock testing (left), firing pin strikes from half cock position on outer headstamp region (right, firing pin strikes at 12 o' clock position)

JUL 12 2022

(04/15/21)

DRAFT for Tech Review Only

Date: 4/8/2022 /Preparer: Gilpin, Megan
Laboratory #: 2021-02245-3 /Item(s): 2
Packaging: Sealed box

Examiner: Ziegler, Bryce

Accidental discharge testing (full cock):

The firearm was clamped into a remote firing platform and was held in place by padded foam grips. The firearm was struck multiple times with a rawhide mallet on all 6 planes in the following order: top of frame, left side of frame/cylinder, right side of frame/cylinder, front of muzzle, hammer/butt area, and bottom of trigger guard and frame. Primed cartridge cases were used for this testing (powder and projectile removed).

Most of these strikes resulted in no change to the firearm/hammer position. During some strikes, the hammer fell from the sear notch, however in all of these instances (except for one – see next paragraph) the hammer became engaged by the half cock safety and did not fire the primed cartridge case.

As the testing/striking proceeded in the order described above, the hammer was struck multiple times and during one attempt, it released to successfully fire the primed cartridge case. After this, the hammer could no longer be engaged by the sear. It was expected that the trigger sear or sear notch of the hammer was fractured due to being struck with the mallet.

After the presumed breakage of internal components, the testing continued using the 1/2 cock notch. The firearm was struck on the bottom of the trigger guard and frame/grip. The firearm could not be made to discharge with the hammer in this position. During this testing, the trigger guard became bent which prohibited movement of the trigger.

Result: The only successful discharge during testing was attributed to the fracture of internal components, not the failure of the firearm or safety mechanisms. The firearm could not be made to fire without a pull of the trigger while the working internal components were intact and functional.

BZA 7/12/22

JUL 12 2022

(04/15/21)

DRAFT for Tech Review Only

Date: 4/8/2022 / Preparer: Gilpin, Megan
Laboratory #: 2021-02245-3 / Item(s): 2
Packaging: Sealed box

Examiner: Ziegler, Bryce

Accidental discharge testing (hammer at rest):

no, decocked?

The cylinder was loaded with a primed cartridge case and the hammer was rested on the live primer. The firearm was struck on all six planes and it did not fire. Lastly, the hammer was struck which caused the primer to detonate. With a revolver of this design, when the hammer is at rest on a loaded chamber, the firing pin rests on the primer of the cartridge. Sufficient force to the hammer, such as striking or dropping, will fire the cartridge. Item 2 does not contain an internal safety mechanism to prevent the hammer/firing pin from striking the primer, such as a transfer bar or hammer block. **This is consistent with normal operation.**

by

Result: With the hammer at rest on a loaded chamber, Item 2 was able to be made to fire without a pull of the trigger.

BGA 7/12/22

LOAD ADJUST CHAMBER

The owner's manual states to only rest the hammer on an empty chamber:

- Page 21: "When the hammer is uncocked, it is resting directly on the cartridge when fully loaded. A blow to the hammer resulting from a fall/dropping of the gun can cause the gun to discharge. To prevent accidental discharges caused by a blow to the hammer, ALWAYS carry all revolvers with the hammer down on an empty chamber."
- Page 22: "3 – ALWAYS carry revolvers with the hammer down on an empty chamber to prevent accidental discharges caused by a blow to the hammer or with the hammer set on the proper safety position."
- Page 29: "WE STRICTLY RECOMMEND TO ONLY LOAD FIVE ROUNDS AND LEAVE THE CHAMBER UNDER THE FIRING PIN EMPTY. IF THE REVOLVER IS LOADED PROPERLY IN THIS MANNER, IT WOULD BE IMPOSSIBLE FOR THE GUN TO ACCIDENTALLY FIRE SHOULD IT BE DROPPED ON THE HAMMER"

SECRET

Additional testing (trigger held in during cocking):

occurred after cocking

The cylinder was loaded with a primed cartridge case, the trigger was fully depressed and held in while the hammer was fully cocked and released. This caused the primer to detonate. When the trigger is held in, the sear cannot engage the hammer and the safeties are disengaged. The hammer will freely move forward using the energy of the mainspring. If the trigger is held in during cocking and the hammer slips from the shooter's thumb, it can fall and fire the cartridge. **This is consistent with normal operation.**

by

The owner's manual states to not touch the trigger while the hammer is being cocked:

- Page 30: "6 – When cocking the hammer, have a firm hold on the grip with the shooting hand and DO NOT TOUCH THE TRIGGER WHILE COCKING THE HAMMER. TOUCH THE TRIGGER ONLY WHEN YOU ARE READY TO FIRE."

***Note:** A copy of the owner's manual was printed and added to the end of the notes worksheets. Page numbers referenced above are as they appear in the owner's manual and do not refer to the notes page numbers.

AW

JUL 12 2022

(04/15/21)

DRAFT for Tech Review Only

Date: 4/8/2022 / Preparer: Gilpin, Megan
Laboratory #: 2021-02245-3 / Item(s): 2
Packaging: Sealed box

Examiner: Ziegler, Bryce

Fracture of internal parts as a result of testing:

trigger sear hammer

At the end of testing, the firearm was inoperable. The hammer could no longer cock or be engaged by the sear, the cylinder would not rotate, and the trigger could not move. The trigger guard was reshaped and the firearm was disassembled to review the extent of the damage. After disassembly, it was noted that the trigger sear and a portion of the cylinder stop/bolt were fractured (see next page).



Item 2 cylinder stop/bolt (top left) and trigger sear (bottom left) are fractured, hammer (right) is intact

did not
was not
can only
was
no
single
it was

*Note: A portion of the cylinder stop/bolt fractured which then prohibited the lowering of the cylinder stop. This in turn does not allow the cylinder to rotate as the hammer is being cocked. Because of this, the hammer can only be cocked a small amount in its current condition and the hand is unable to rotate the cylinder, which is locked in place by the cylinder stop. The sear portion of the trigger also fractured which prevents proper engagement of the trigger and the hammer. The three sear/safety notches of the hammer were intact. The firearm was reassembled in its current condition. The two fractured pieces were retained and repackaged with the firearm.

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JUL 12 2022

(04/15/21)

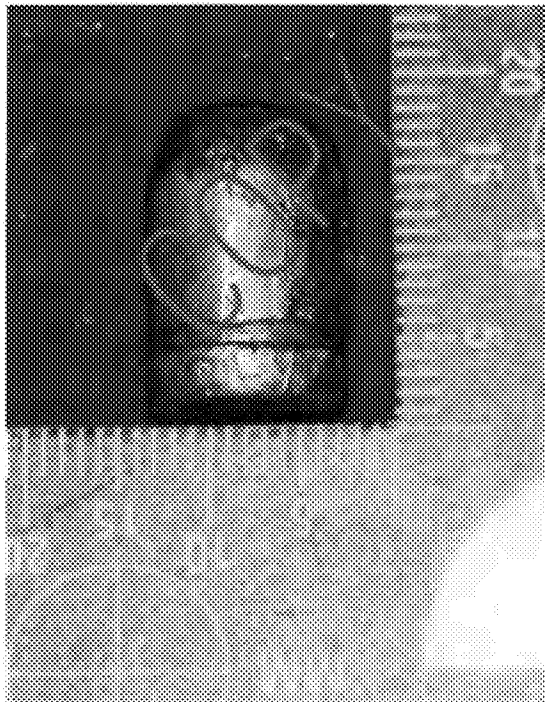
DRAFT for Tech Review Only

Date: 11/10/2021 /Preparer: Gilpin, Megan *MG*
 Laboratory #: 2021-02245-3 /Item(s): 1
 Packaging: Sealed plastic container within sealed envelope.

Examiner: Ziegler, Bryce

General Description:

Type: Lead flat nose bullet <i>Lead</i>	Dia: 0.433-0.438 in.	Base type: Open <i>Flat lead</i>
	Cal: .44/.45	Weight: 239.8 gr. <i>239.8</i>
	Marked: On base	
Cannelure(s): Yes	Composition: Lead	
Performance Check: N/A – could not measure rifling	Instrument(s): F2714087	
Subclass: no impact	EOMM: LMOV, very limited amount of bearing surface remains	
Rifling: Right	LI width: N/A in.	GI width: N/A in.



Item 1 is a .44/.45 caliber lead flat nose bullet

*Item 1 bullet is badly damaged/abraded, the rifling shoulders are damaged to the degree that they could not be reliably measured

JUL 12 2022

(04/15/21)

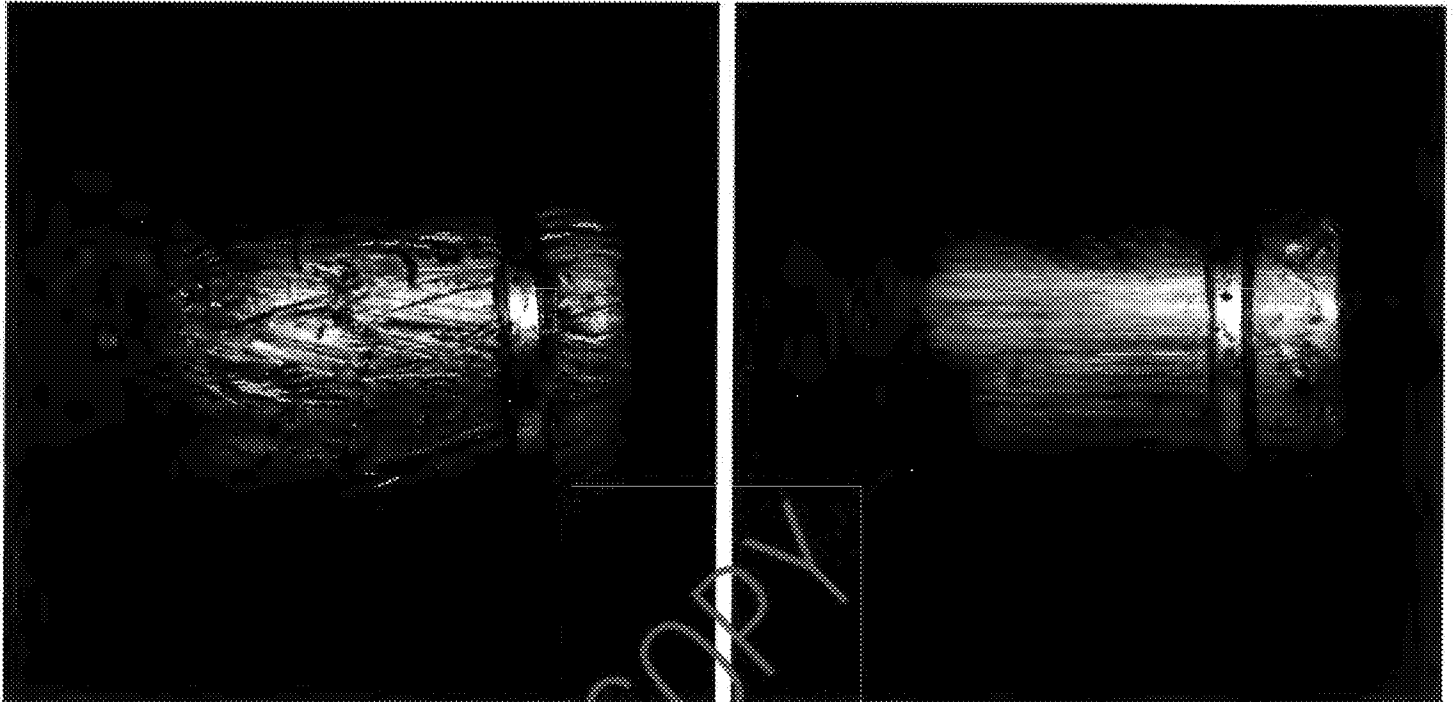
DRAFT FOR BULLET WORKSHEET ONLY

Date: 11/10/2021 /Preparer: Gilpin, Megan *MG*

Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3 /Item(s): 1

Packaging: Sealed plastic container within sealed envelope.



Bearing surface of Item 1 bullet

***Note:** Approximately 2/3 of the bearing surface has been obliterated by damage/abrasion (left photo). On the portion of the bearing surface that remains, the rifling has been superimposed by additional abrasions/striations which has removed the defined edges of the rifling. Due to damage, could not determine where the lands and grooves begin/end.

MG

observed by

JUL 12 2022

(04/15/21)

DRAFT Results Marked Only

Date: 6/15/2022
Laboratory #: 2021-02245-3

Examiner: Ziegler, Bryce

Method(s): LCM VCM Not Applicable
Item(s): Item 1 bullet and test fires from the Item 2 revolver

Results: A pattern examination of the Item 1 bullet compared to the Item 2 revolver was inconclusive due to damage and a lack of sufficient corresponding microscopic marks of value.

BZ 6/15/22

COPY

(04/15/21)

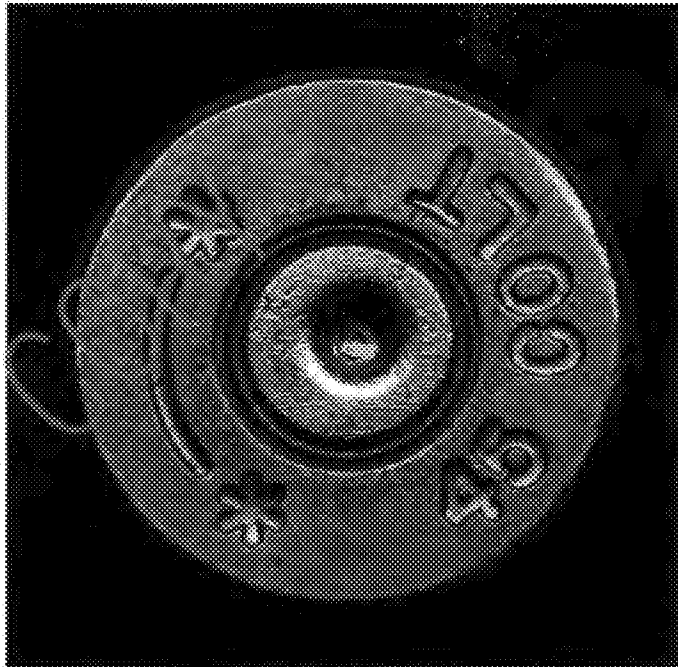
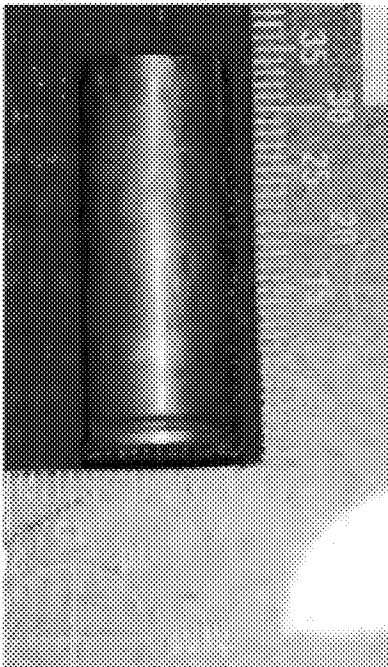
DRAFT Cartridge Case Review Only

Date: 11/10/2021 /Preparer: Gilpin, Megan *EG*
Laboratory #: 2021-02245-3 /Item(s): 3
Packaging: Sealed envelope

Examiner: Ziegler, Bryce

General Description:

Brand: Starline	Cal/Ga: .45 Colt (.45 Long Colt)	Bf: Parallel, some crosshatch
Case/Hull: Brass	Primer: Nickel	FPI: Hemispherical
Cannelure: None observed	Ejt: N/A o'clock	Ext: N/A o'clock
Performance Check: N/A	Instrument(s): F2714087	
Subclass: not observed, no impact	EOMM: MOV – firing pin, breechface	
3D instrument entry: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes, see entry date		Entry date: N/A



Item 3 .45 Colt (.45 Long Colt) caliber cartridge case bearing the headstamp of Starline ammunition

*Extractor and ejector could not be located, this caliber is commonly loaded into revolvers/

*brass
by
cartridges
M*

JUL 12 2022

(04/15/21)

DRAFT for Tech Review Only

Date: 6/15/2022

Examiner: Ziegler, Bryce

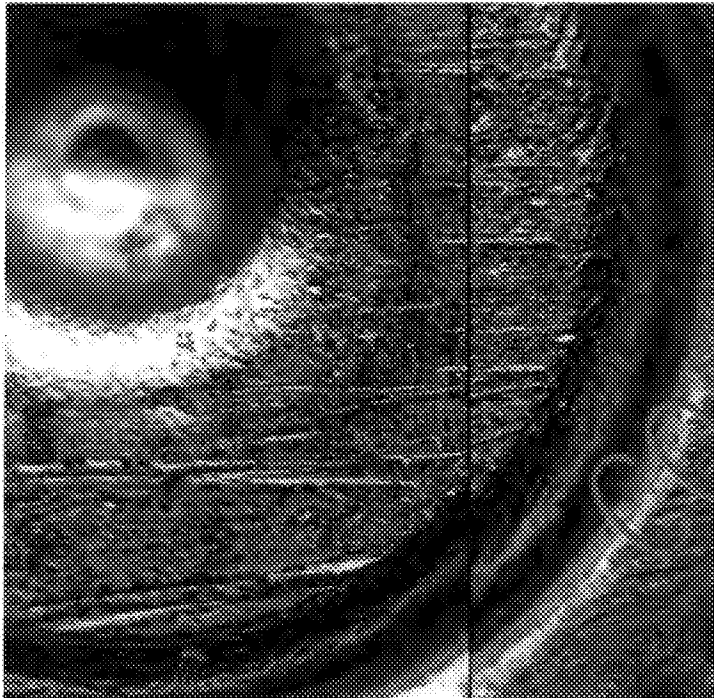
Laboratory #: 2021-02245-3

Method(s): LCM VCM Not Applicable

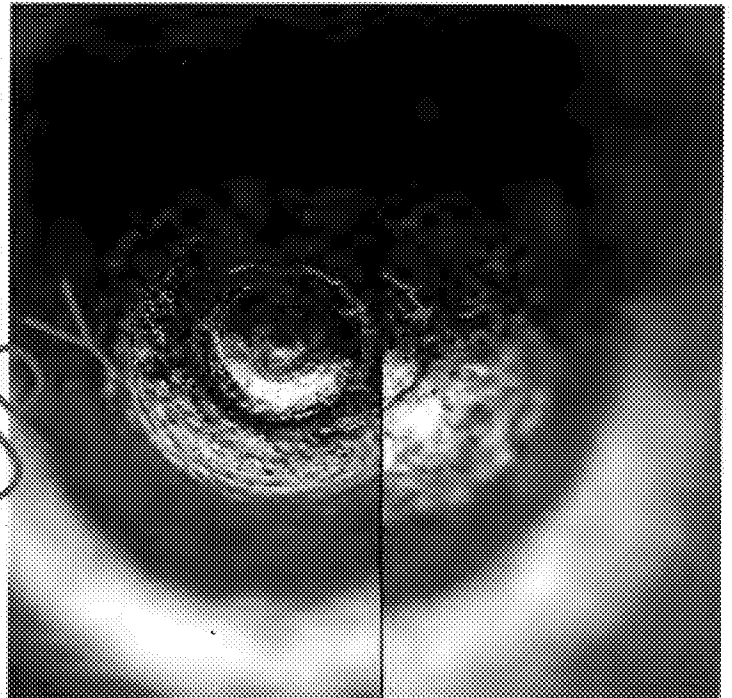
Item(s): Item 3 cartridge case and test fires from the Item 2 revolver

Results: The Item 3 cartridge case was identified as having been fired in the Item 2 revolver (breachface, firing pin).

BZA 6/15/22



Item 2 (left), Item 3 (right), 36x



Item 2 (left), Item 3 (right), 36x

Inventoried: FI2, I3

Verified by: *Phyllis Dsm* On: 6/29/22

IO - bf, fp

JUL 12 2022

(04/15/21)

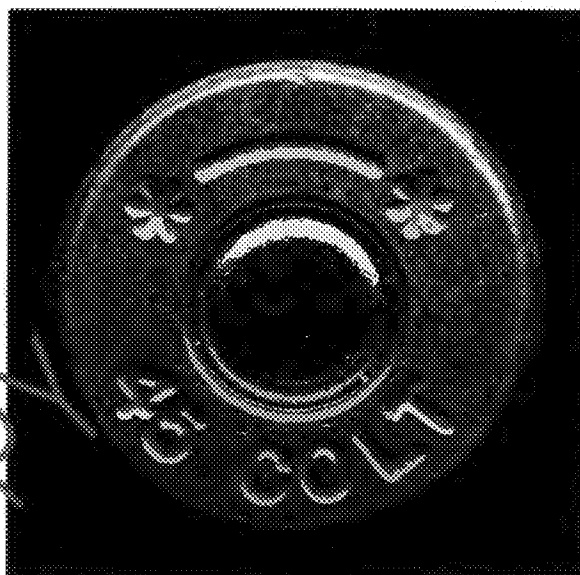
DRAFT for Examination Only

Date: 11/10/2021 /Preparer: Gilpin, Megan
Laboratory #: 2021-02245-3 /Item(s): 4 through 7
Packaging: Sealed envelopes within sealed container.

Examiner: Ziegler, Bryce

General Description:

Brand: Starline	Caliber/Gauge: .45 Colt (.45 Long Colt)
Type of bullet: Lead flat nose	Case/Hull: Brass
Headstamp: see below	Primer: Nickel

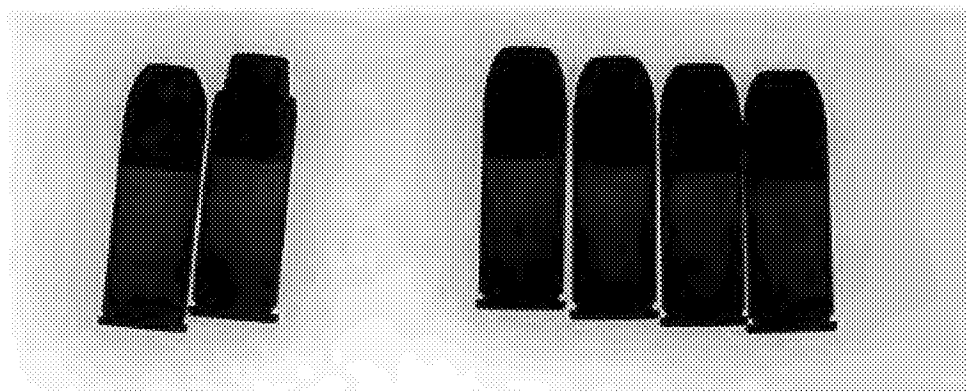


COPY

Items 4 through 7 are .45 Colt (.45 Long Colt) caliber cartridges bearing the headstamp of Starline ammunition

brass

*Manufacturing toolmarks were not observed on Item 4 through 7 cartridges. Item 6 and 7 had striated toolmarks on the side walls of the cartridge cases, but could not determine if they were from manufacturing/loading or some other source.



X-ray image of reference live ammunition (left), Items 4 through 7 (right)

JUL 12 2022

(04/15/21)

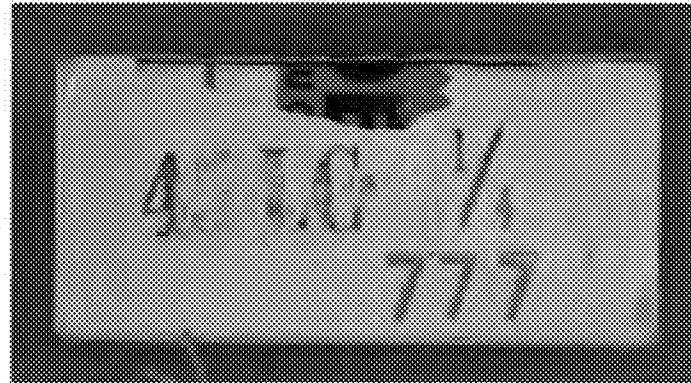
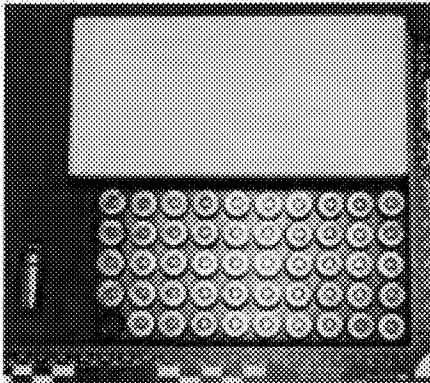
DRAFT for Tech Review Only

Date: 11/10/2021 /Preparer: Gilpin, Megan
Laboratory #: 2021-02245-3 /Item(s): 8 through 10
Packaging: Sealed paper bag within sealed box

Examiner: Ziegler, Bryce

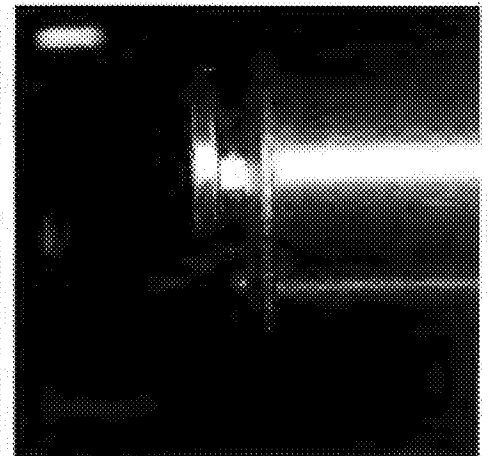
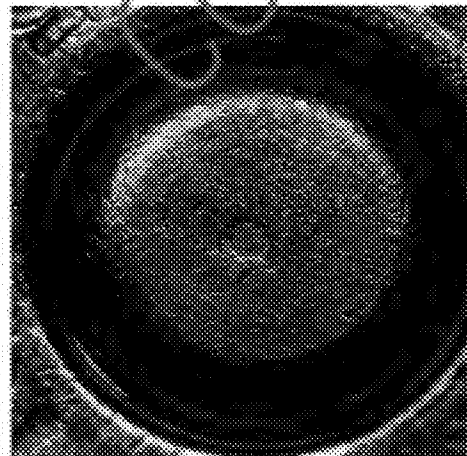
General Description:

Brand: Starline	Caliber/Gauge: .45 Colt (.45 Long Colt)
Type of bullet: N/A, mouth crimped shut (blank)	Case/Hull: Brass
Headstamp: see below	Primer: Brass



Item 8 ammunition box, Item 9 plastic tray, and Item 10 consists of fifty .45 Colt (.45 Long Colt) caliber blank cartridges bearing the headstamp of Starline ammunition, Item 8 box stamped on each end "45 LC

JS 77" Brass Bag



Item 10 headstamp (left), circular toolmarks and dimple on primer (center), striated impressions near rim of cartridge on side wall (right)

*Toolmarks observed on primer and side wall near rim that are physically consistent with markings from a primer press and shell holder, however it could not be determined if these markings are from commercial manufacture or handmade/assembled ammunition

JUL 12 2022

(04/15/21)

***PTD General Examination Worksheet**

Date: 11/10/2021 /Preparer: Gilpin, Megan
Laboratory #: 2021-02245-3 /Item(s): 8 through 10
Packaging: Sealed paper bag within sealed box

Examiner: Ziegler, Bryce

X-ray images:

8 - 10 continued
ms



Reference live ammunition (left), Item 10 cartridges (right)

*Note: no projectile observed in Item 10 cartridges

JUL 12 2022

(04/15/21)

*DRAFT General Examination Worksheet

Date: 11/10/2021 /Preparer: Gilpin, Megan

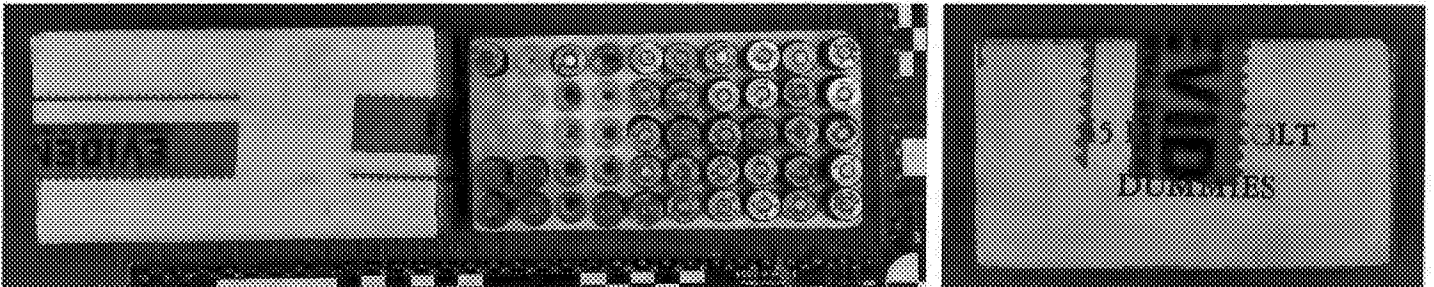
Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3 /Item(s): 11 through 13, 13-1, 13-2 (13-2-1, 13-2-2), 13-3 (13-3-1, 13-3-2)

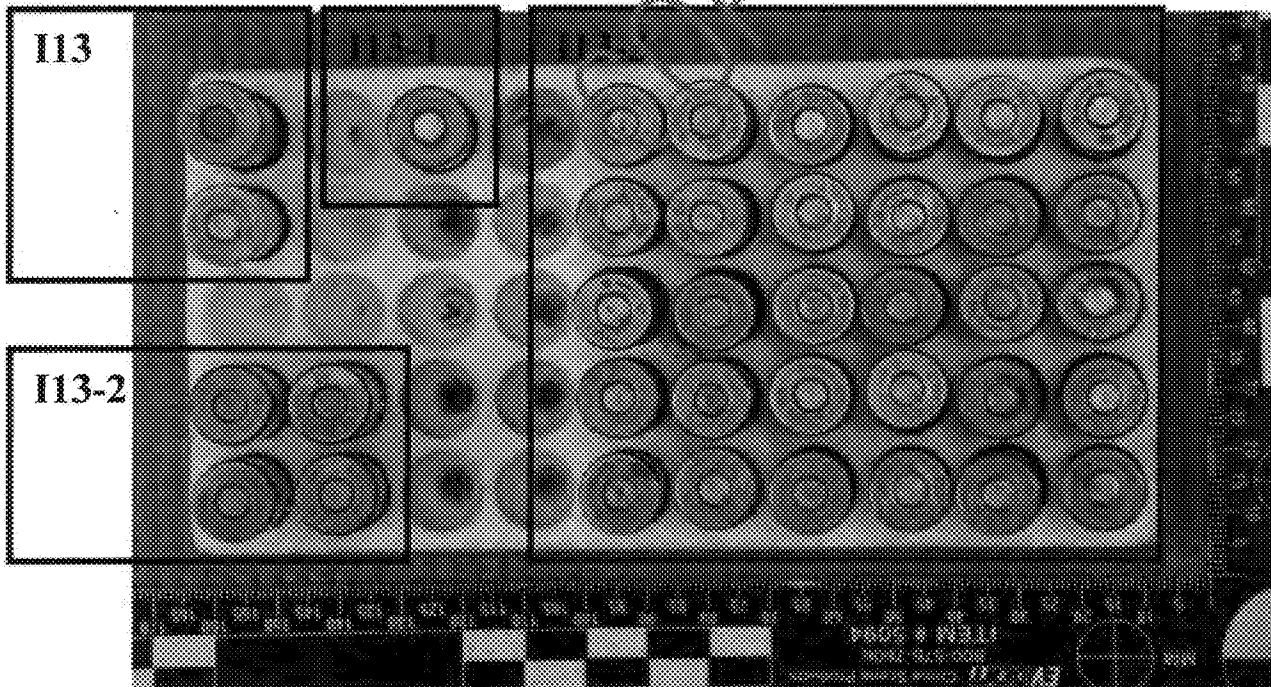
Packaging: Sealed paper bag within sealed box

General Description:

Brand: Starline	Caliber/Gauge: .44-40 (2) and .45 Colt (.45 Long Colt) (35)
Type of bullet: Lead flat nose	Case/Hull: Brass
Headstamp: *see note below	Primer: Brass (36), Nickel (1)



Item 11 ammunition box, Item 12 foam tray, and the Item 13 cartridges, Item 11 box has stickers on both ends that read "45 LONG COLT JS DUMMIES"



Item 13 cartridges sub-divided for examination

*Item 13-2 and 13-3 later further sub-divided into 13-2-1, 13-2-2, 13-3-1, and 13-3-2

JUL 12 2022

(04/15/21)

*~~DRAFT~~ General Examination Worksheet

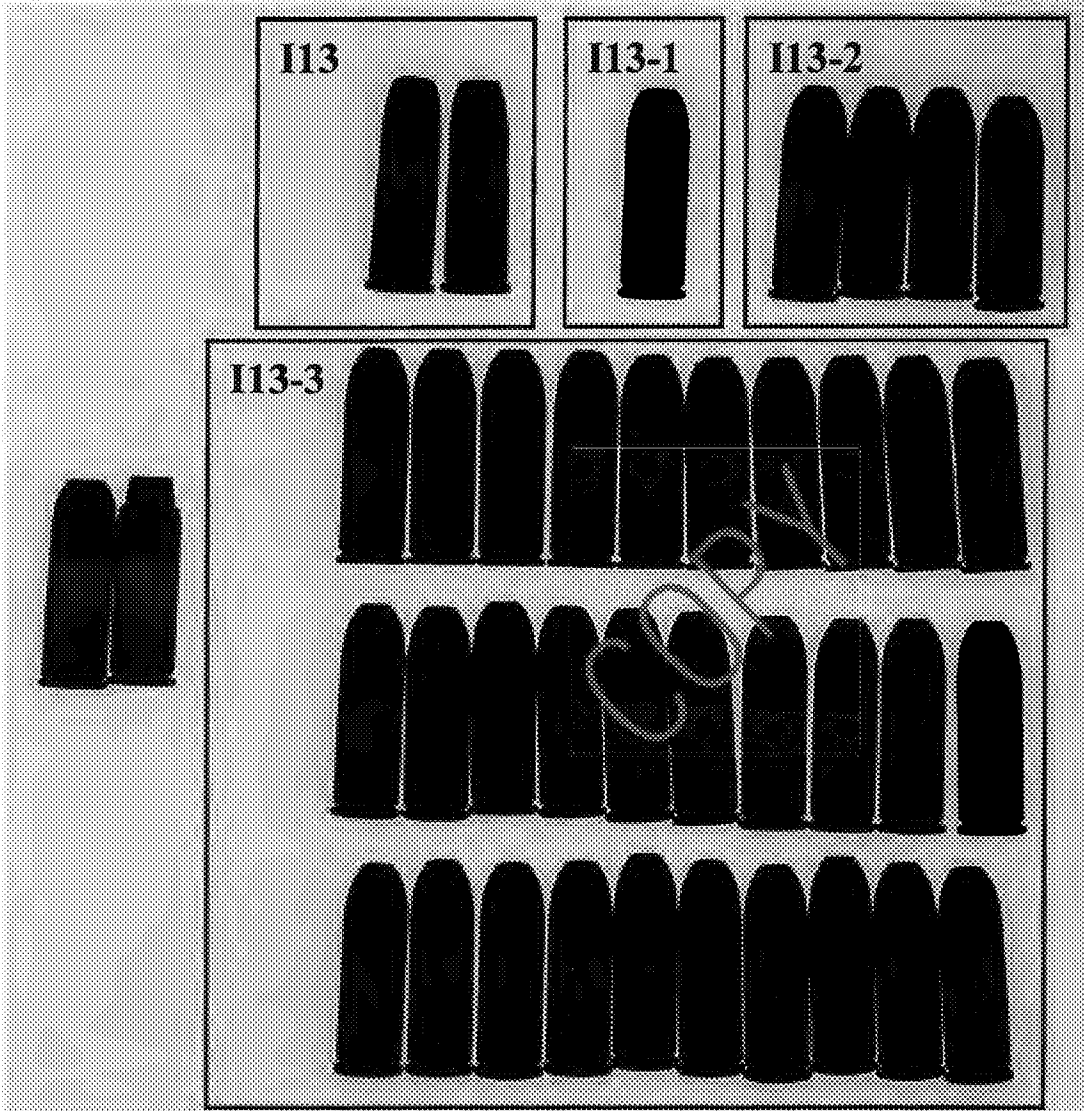
Date: 11/10/2021 /Preparer: Gilpin, Megan *MG*

Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3 /Item(s): 11 through 13, 13-1, 13-2 (13-2-1, 13-2-2), 13-3 (13-3-1, 13-3-2)

Packaging: Sealed paper bag within sealed box

*I 11 - I 13-3-2
continued
BZ*



Reference live ammunition (left), Item 13, 13-1, 13-2, and 13-3 cartridges (right)

*Note: spheres observed in all but one of the Item 13 and 13-3 cartridges, light colored spheres in Item 13-2 are the holes observed in side wall of cartridges

→ what do you mean by "spheres" or holes

JUL 12 2022

(04/15/21)

*DRAFT General Examination Worksheet

Date: 11/17/2021 /Preparer: Examiner

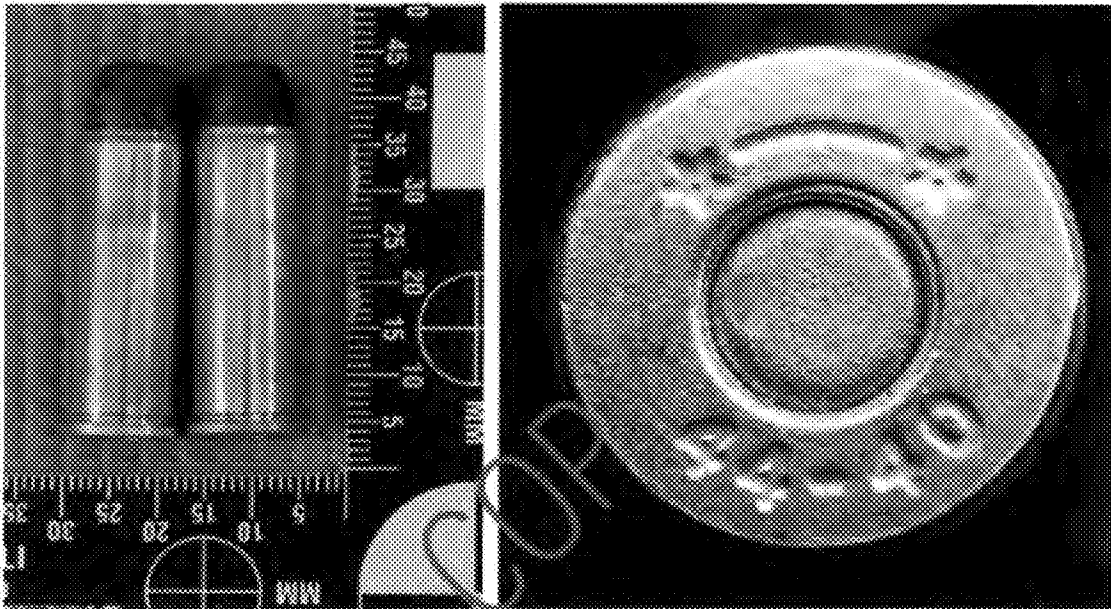
Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3 /Item(s): 13

Packaging: received inside Item 11 box in Item 12 foam tray

General Description:

Brand: Starline	Caliber/Gauge: .44-40
Type of bullet: Lead flat nose	Case/Hull: Brass
Headstamp: see below	Primer: Brass



Item 13 .44-40 caliber cartridges bearing the headstamp of Starline ammunition

*Toolmarks observed on primer (circular marks) and side wall near rim (impressions) that are physically consistent with markings from a primer press and shell holder, however it could not be determined if these markings are from commercial manufacture or handmade/assembled ammunition. In addition, the cartridges appear to have space inside the cartridges and audibly sound like metal or plastic on the interior when shaken.

JUL 12 2022

(04/15/21)

DRAFT for Tech Review Only

Date: 11/17/2021 /Preparer: Examiner

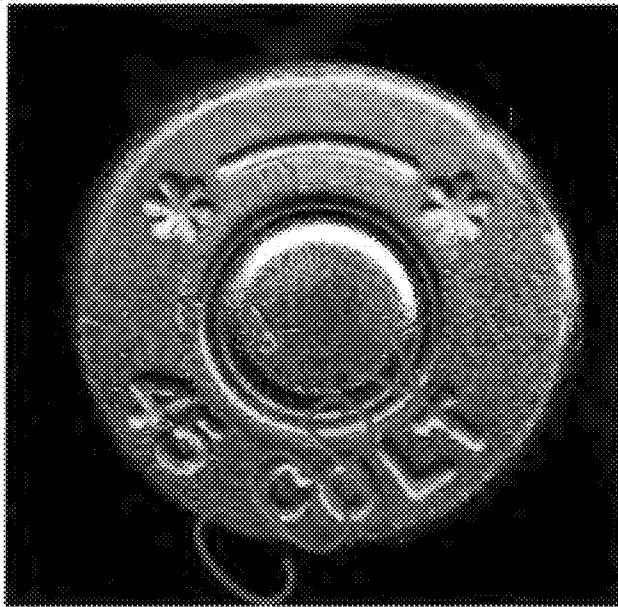
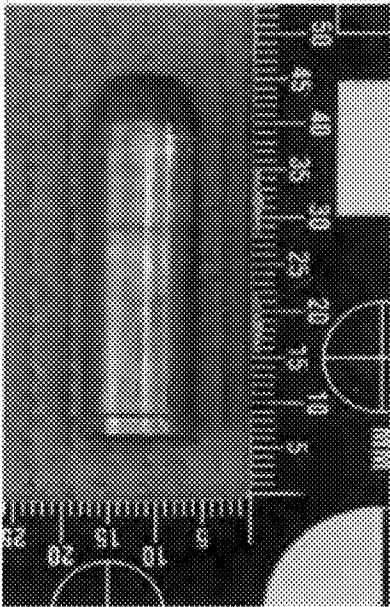
Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3 /Item(s): 13-1

Packaging: received inside Item 11 box in Item 12 foam tray

General Description:

Brand: Starline	Caliber/Gauge: .45 Colt (.45 Long Colt)
Type of bullet: Lead flat nose	Case/Hull: Brass
Headstamp: see below	Primer: Nickel



Item 13-1 is a .45 Colt (.45 Long Colt) caliber cartridge bearing the headstamp of Starline ammunition

brass Zieg

*Manufacturing toolmarks were not observed on the Item 13-1 cartridge.

JUL 12 2022

(04/15/21)

*DRAFT General Examination Worksheet

Date: 11/17/2021 /Preparer: Examiner

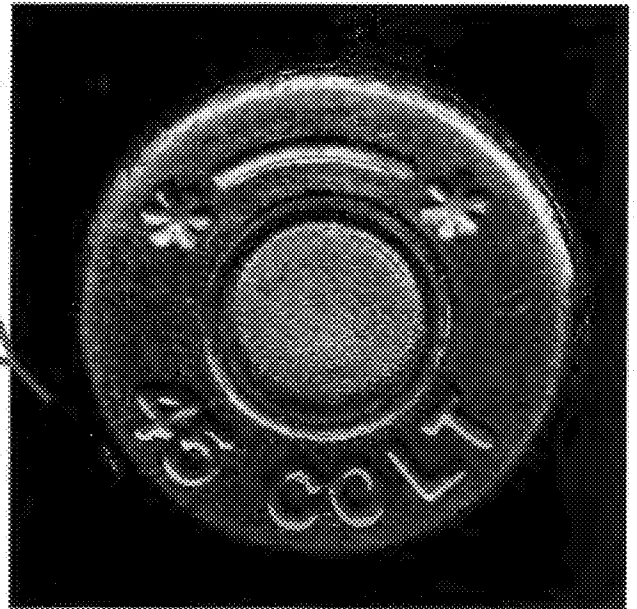
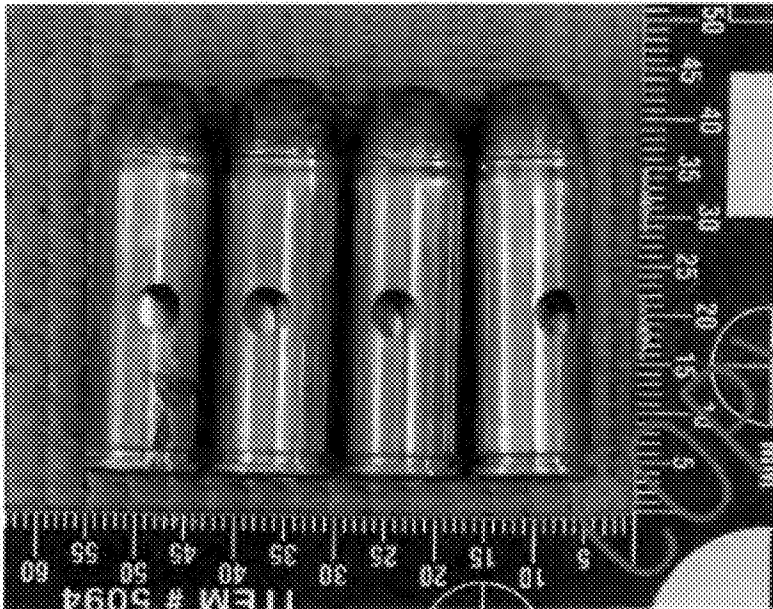
Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3 /Item(s): 13-2 (13-2-1, 13-2-2)

Packaging: received inside Item 11 box in Item 12 foam tray

General Description:

Brand: Starline	Caliber/Gauge: .45 Colt (.45 Long Colt)
Type of bullet: Lead flat nose	Case/Hull: Brass with hole drilled in side wall, no powder present
Headstamp: see below	Primer: Brass



Item 13-2 consists of four .45 Colt (.45 Long Colt) caliber cartridges bearing the headstamp of Starline ammunition, the Item 13-2 cartridges have a hole drilled in the side of the cartridge case wall and are hollow (no powder present)

brass by

*Toolmarks observed on primer (circular marks) and side wall near rim (impressions) that are physically consistent with markings from a primer press and shell holder, however it could not be determined if these markings are from commercial manufacture or handmade/assembled ammunition.

*Item 13-2 later sub-divided into 13-2-1 and 13-2-2

Firearms/Toolmarks Discipline: ***DRAFT for Tech Review Only*** Analysts: *[Signature]*

JUL 12 2022

(04/15/21)

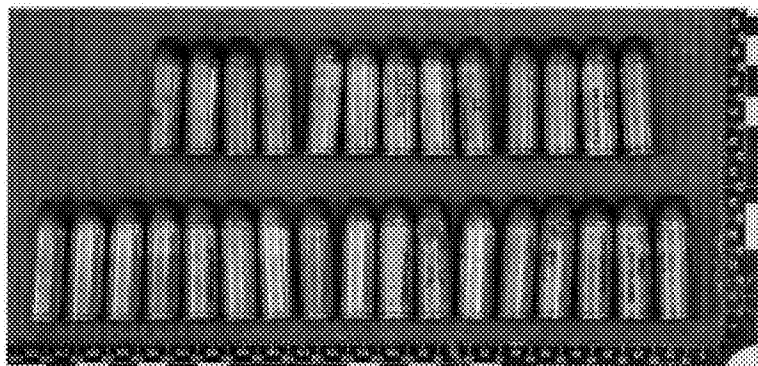
*DRAFT General Examination Worksheet

Date: 11/17/2021 /Preparer: Examiner
Laboratory #: 2021-02245-3 /Item(s): 13-3 (13-3-1, 13-3-2)
Packaging: received inside Item 11 box in Item 12 foam tray

Examiner: Ziegler, Bryce

General Description:

Brand: Starline	Caliber/Gauge: .45 Colt (.45 Long Colt)
Type of bullet: Lead flat nose	Case/Hull: Brass
Headstamp: see below	Primer: Brass



Item 13-3 consists of thirty .45 Colt (.45 Long Colt) caliber cartridges bearing the headstamp of Starline ammunition (*Note: the top thirteen cartridges in photo bear light firing pin strikes)

brass

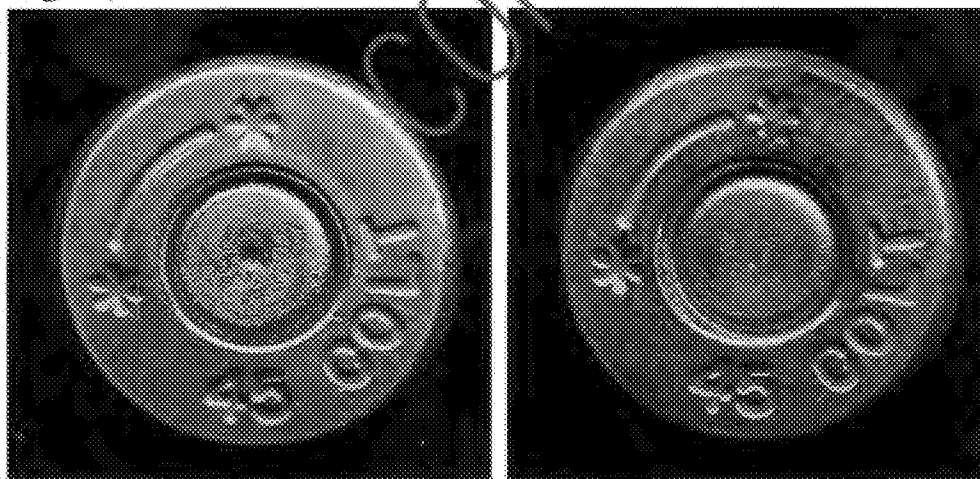


Image of headstamp bearing light firing pin strike (left), and without (right)

*Toolmarks observed on primer (circular marks) and side wall near rim (impressions) that are physically consistent with markings from a primer press and shell holder, however it could not be determined if these markings are from commercial manufacture or handmade/assembled ammunition. In addition, the cartridges appear to have space inside the cartridges and audibly sound like metal or plastic on the interior when shaken.

*Item 13-3 later sub-divided into 13-3-1 and 13-3-2

JUL 12 2022

(04/15/21)

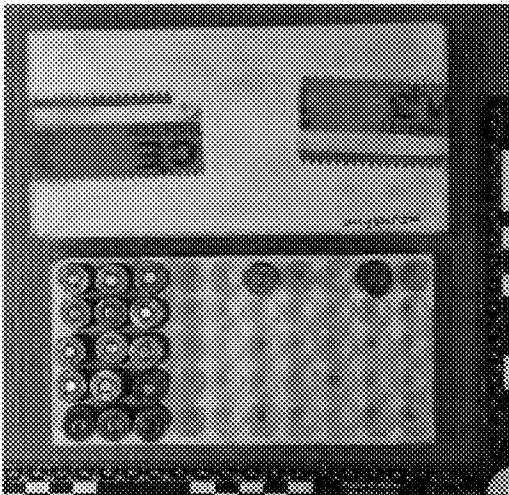
*DRAFT General Examination Worksheet

Date: 1/12/2022 /Preparer: Gilpin, Megan
Laboratory #: 2021-02245-3 /Item(s): 20, 20-1, 21 (21-2, 21-3), 21-1, and 22
Packaging: Sealed envelope (I20, 20-1, 21), sealed plastics bags within sealed manila envelope (I21-1 and 22)

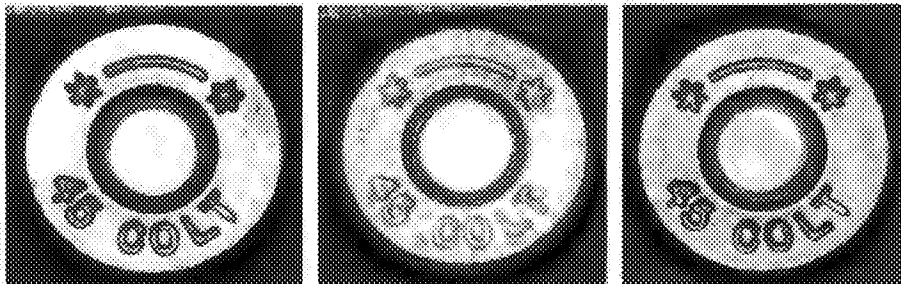
Examiner: Ziegler, Bryce

General Description:

Brand: Starline	Caliber/Gauge: .45 Colt (.45 Long Colt)
Type of bullet: Lead flat nose	Case/Hull: Brass
Headstamp: see below	Primer: Nickel



Item 20 ammunition box, Item 20-1 foam tray, and Item 21 consists of fifteen cartridges, Item 21-1 is a cartridge, and Item 22 is a cartridge, all of which are .45 Colt (.45 Long Colt) caliber cartridges bearing the headstamp of Starline ammunition, Item 20 box marked on each end "Dummy Rounds .45 LC" written in blue marker, light firing pin strikes observed on the primer of several cartridges



Item 21 (left), Item 21-1 (middle), Item 22 (right)

*Toolmarks observed on primer and side wall near rim that are physically consistent with markings from a primer press and shell holder, however it could not be determined if these markings are from commercial manufacture or handmade/assembled ammunition. In addition, the Item 21 and 21-1 cartridges appear to have space inside the cartridges and audibly sound like metal or plastic on the interior when shaken.

*Item 21 later sub-divided into 21-2 and 21-3

JUL 12 2022

(04/15/21)

***DRAFT General Examination Worksheet**

Date: 1/12/2022 /Preparer: Gilpin, Megan *MG*

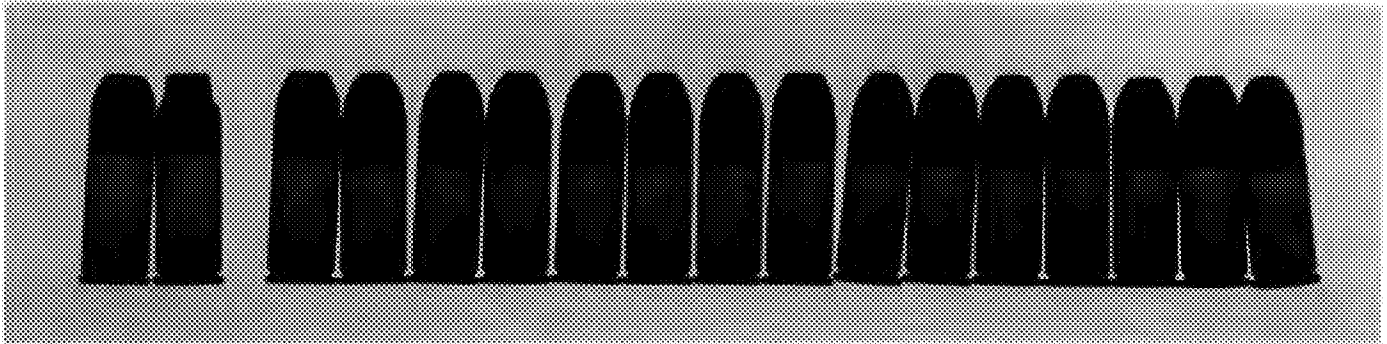
Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3 /Item(s): 20, 20-1, 21 (21-2, 21-3), 21-1, and 22

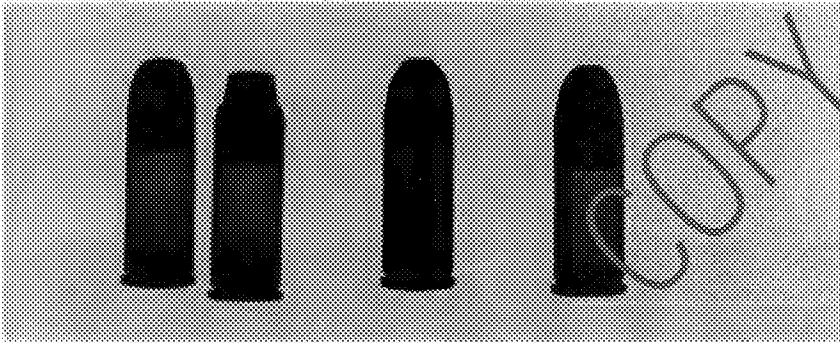
Packaging: Sealed envelope (I20, 20-1, 21), sealed plastics bags within sealed manila envelope (I21-1 and 22)

X-ray images:

Continued *BW*



Reference live ammunition (left), Item 21 cartridges (right)



Reference live ammunition, Item 21-1 and 22 (left to right)

*Note: spheres observed in all of the Item 21 and 21-1 cartridges

OK *BW*

JUL 12 2022

(04/15/21)

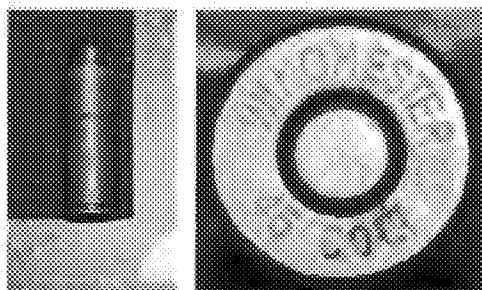
***DRAFT General Examination Worksheet**

Date: 1/11/2022 /Preparer: Gilpin, Megan
 Laboratory #: 2021-02245-3 /Item(s): 23, 24 (24-1), 25 (25-1)
 Packaging: Sealed manila envelope within sealed box (I23), sealed manila envelope within sealed manila envelope within sealed box (I24, 25)

Examiner: Ziegler, Bryce

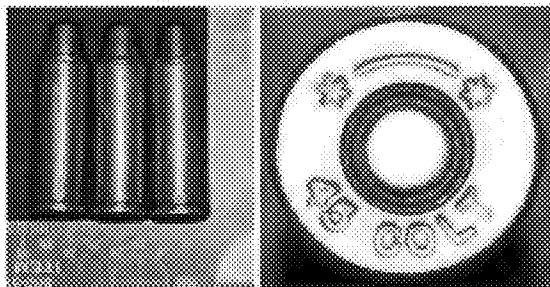
General Description:

Brand: Winchester (1), Starline (4), CBC/Magtech (1), Fiocchi/GFL (1)	Caliber/Gauge: .45 Colt (.45 Long Colt)
Type of bullet: Nickel jacketed hollow point (1) Lead semi-wadcutter (6)	Case/Hull: Brass
Headstamp: see below	Primer: Brass



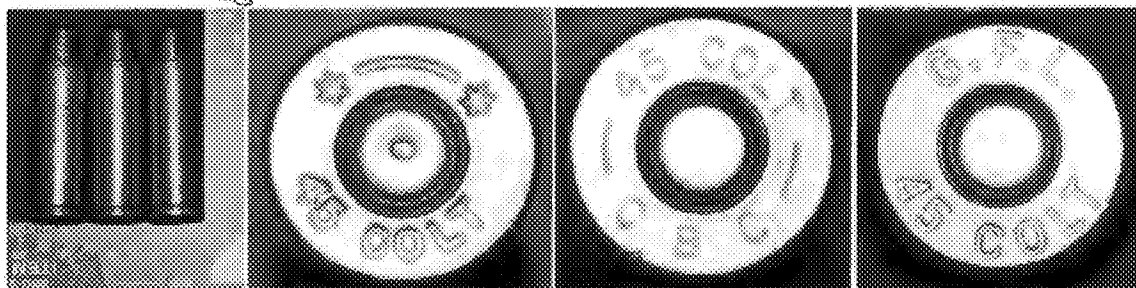
Item 23 is a .45 Colt (.45 Long Colt) caliber cartridge bearing the headstamp of Winchester ammunition

COPY



*Items 24 and 25 later sub-divided into 24-1 and 25-1

Item 24 consists of three .45 Colt (.45 Long Colt) caliber cartridges bearing the headstamp of Starline ammunition (light firing pin impressions present on two cartridges)



Item 25 consists of three .45 Colt (.45 Long Colt) caliber cartridges bearing the headstamp of Starline, CBC, and Fiocchi ammunition (light firing pin impression present on one cartridge)

brass
↓

(04/15/21)

*DRAFT General Examination Worksheet

Date: 1/11/2022 /Preparer: Gilpin, Megan

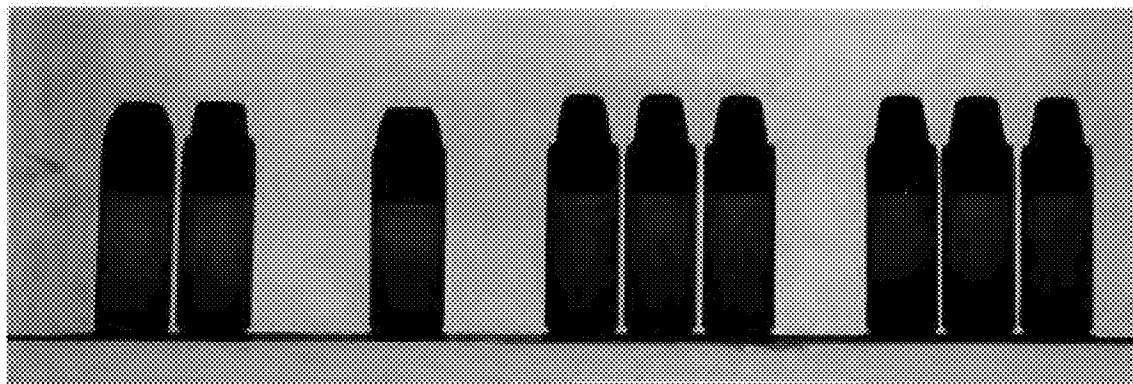
Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3 /Item(s): 23, 24 (24-1), 25 (25-1)

Packaging: Sealed manila envelope within sealed box (I23), sealed manila envelope within sealed manila envelope within sealed box (I24, 25)

X-ray images:

continue of mo



Reference live ammunition, Items 23, 24, and 25 (left to right)

*Note: I23, 24, and 25 reported as being live exemplars from the manufacturer

COPY

JUL 12 2022

(04/15/21)

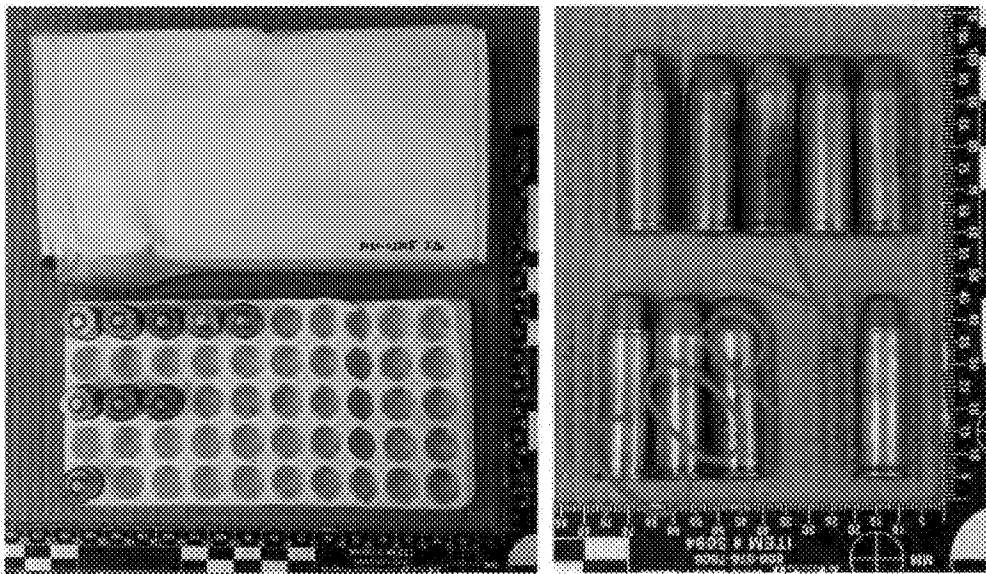
*DRAFT General Examination Worksheet

Date: 1/11/2022 /Preparer: Gilpin, Megan
Laboratory #: 2021-02245-3 /Item(s): 26 through 28 (28-1, 28-2)
Packaging: Sealed paper bag within sealed box

Examiner: Ziegler, Bryce

General Description:

Brand: Starline (5), Black Hills (3), Sellier & Bellot (1)	Caliber/Gauge: .45 Colt (.45 Long Colt)
Type of bullet: Lead semi-wadcutter (2) Lead truncated cone (7)	Case/Hull: Brass
Headstamp: see below	Primer: Brass



Item 26 ammunition box, Item 27 foam tray, and Item 28 consists of nine .45 Colt (.45 Long Colt) caliber cartridges bearing the headstamps of Starline, Black Hills, and Sellier & Bellot ammunition, Item 26 box marked on each end ".45 LC" in black marker

brass case



Item 28 headstamps

*Item 28 later sub-divided into 28-1 and 28-2

JUL 12 2022

(04/15/21)

DRAFT General Examination Worksheet

Date: 1/11/2022 /Preparer: Gilpin, Megan *MG*

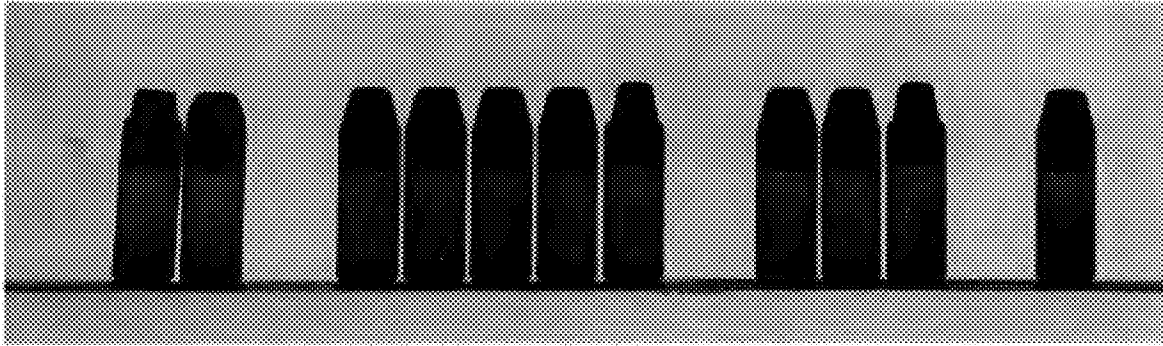
Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3 /Item(s): 26 through 28 (28-1, 28-2)

Packaging: Sealed paper bag within sealed box

X-ray images:

Continued *hys*



Reference live ammunition (left), Item 28 (right)

*Note: Item 28 reported as being live exemplars collected from the manufacturer

COPY

JUL 12 2022

(04/15/21)

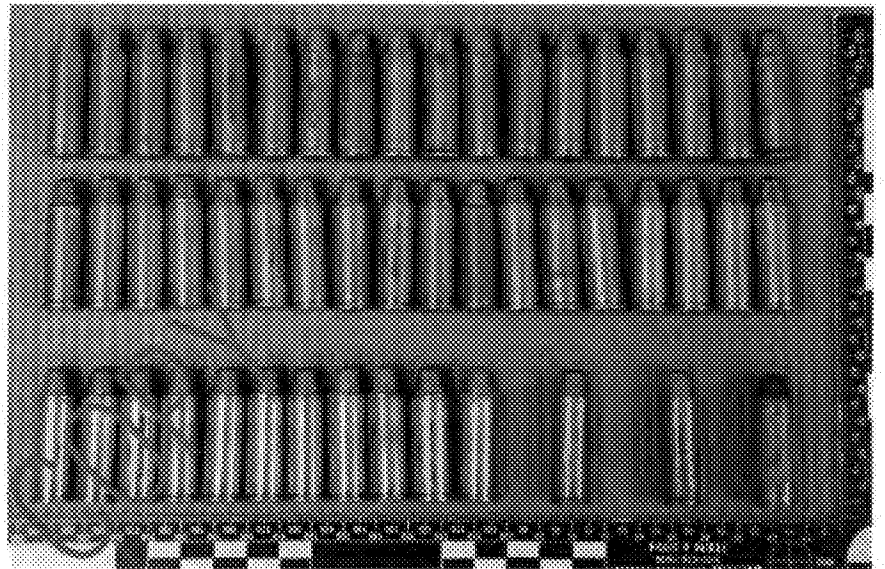
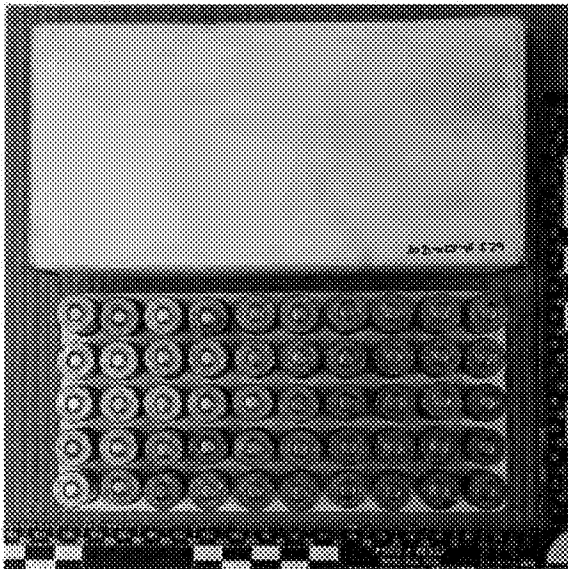
*DRAFT General Examination Worksheet

Date: 1/11/2022 /Preparer: Gilpin, Megan
Laboratory #: 2021-02245-3 /Item(s): 29 through 31
Packaging: Sealed paper bag within sealed box

Examiner: Ziegler, Bryce

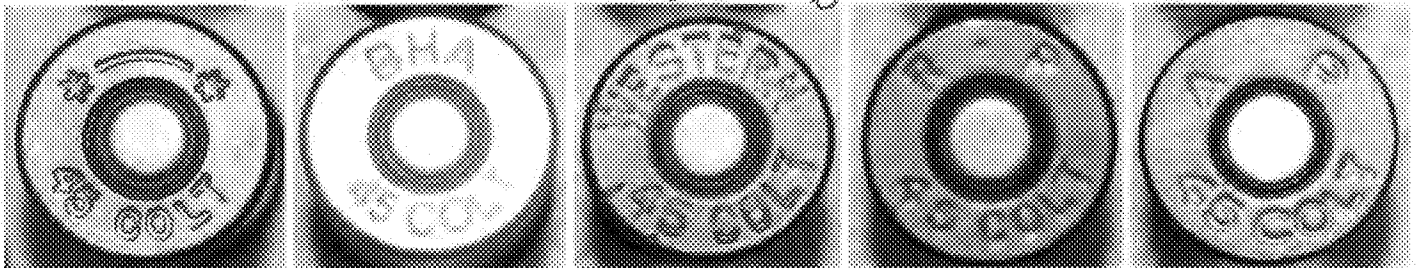
General Description: Fifty (50) cartridges with ammunition tray and box.

Brand: Starline (36), Black Hills (11), Western (1), Remington (1), Armscor (1)	Caliber/Gauge: .45 Colt (.45 Long Colt)
Type of bullet: Lead semi-wadcutter	Case/Hull: Brass
Headstamp: see below	Primer: Brass (49), Nickel (1)



Item 29 ammunition box, Item 30 foam tray, and Item 31 consists of fifty .45 Colt (.45 Long Colt) caliber cartridges bearing the headstamps of Starline, Black Hills, Western, Remington, and Armscor ammunition, Item 29 box marked ".45 LC" in black marker on one end.

brass case



JUL 12 2022

(04/15/21)

*DRAFT General Examination Worksheet

Date: 1/11/2022 /Preparer: Gilpin, Megan
Laboratory #: 2021-02245-3 /Item(s): 29 through 31
Packaging: Sealed paper bag within sealed box

Examiner: Ziegler, Bryce

X-ray images:

Continued
M



Reference live ammunition (left two cartridges in each photo), Item 31 cartridges (total of 50 cartridges, right in each photo)

*Note: I31 reported as being live exemplars from the manufacturer

JUL 12 2022

(04/15/21)

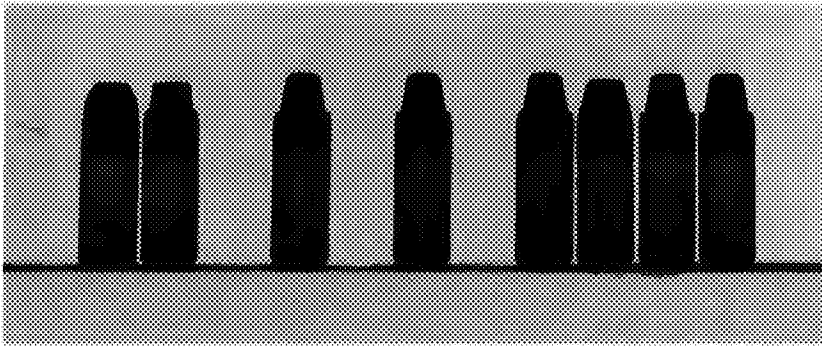
***DRAFT General Examination Worksheet**

Date: 1/11/2022 /Preparer: Gilpin, Megan
Laboratory #: 2021-02245-3 /Item(s): 32 through 37 (34-1, 34-2)
Packaging: Sealed manila envelope within sealed box

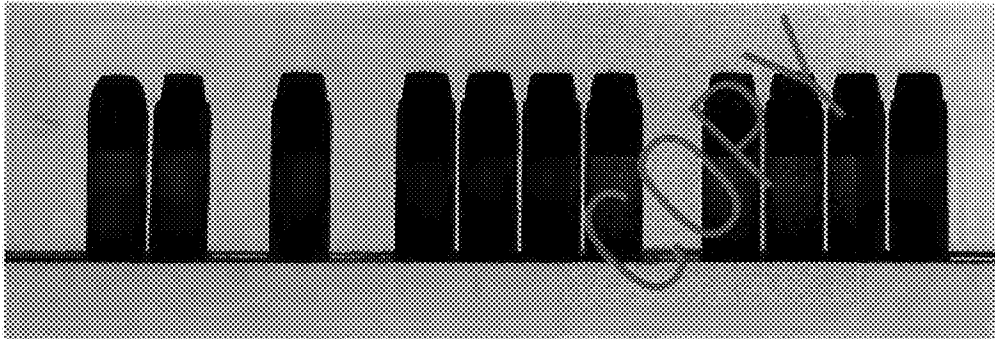
Examiner: Ziegler, Bryce

X-ray images:

*Continued
Page*



Reference live ammunition, Items 32, 33, and 34 (left to right)



Reference live ammunition, Items 35, 36, and 37 (left to right)

*Note: I32 through 37 reported as being live exemplars from the manufacturer

JUL 12 2022

(04/15/21)

DRAFT General Examination Worksheet

Date: 1/25/2022 /Preparer: Examiner

Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3 /Item(s): See Item listing in chart below

Packaging: N/A – sampling plan information only

General Description:

List of all submitted cartridges and sampling plan for disassembly/further examination:

FBI Lab Item #	FBI 1B#	Cartridge count	Notes	Sampling
Item 4 ✓	1B5	1	Suspected live	1 cartridge
Item 5 ✓	1B5	1	Suspected live	1 cartridge
Item 6 ✓	1B6	1	Suspected live	1 cartridge
Item 7 ✓	1B7	1	Suspected live	1 cartridge
Item 10	1B2	50	Suspected blank ✓	
Item 13 ✓	1B2	2	Suspected dummy ✓	
Item 13-1 ✓	1B2	1	Suspected live	1 cartridge
Item 13-2	1B2	4	Suspected dummy (hole) ✓	2 cartridges FTU only
Item 13-3	1B2	30 ✓	Suspected dummy ✓	2 cartridges FTU only
Item 21 ✓	1B12	15 ✓	Suspected dummy ✓	2 cartridges FTU only
Item 21-1 ✓	1B12	1 ✓	Suspected dummy ✓	
Item 22	1B12	1	Suspected live	1 cartridge
Item 23	1B15	1 ✓	Live exemplar	
Item 24	1B16	3 ✓	Live exemplar	1 cartridge
Item 25	1B16	3 ✓	Live exemplar	1 cartridge
Item 28	1B19	9 ✓	Live exemplar	2 cartridges
Item 31	1B19	50 ✓	Live exemplar	
Item 32	1B20	1 ✓	Live exemplar	
Item 33	1B21	1 ✓	Live exemplar	
Item 34	1B21	4 ✓	Live exemplar	2 cartridges
Item 35	1B22	1 ✓	Live exemplar	
Item 36	1B22	4 ✓	Live exemplar	
Item 37	1B22	4 ✓	Live exemplar	
Totals		Number	Type	Sampling totals
	190 ✓	189	Total cartridges	6 suspected live cartridges
	109	108	Total questioned cartridges	6 suspected dummy cartridges (FTU only)
			6 Suspected live cartridges	6 live exemplar cartridges
		53 ✓	52 Suspected dummy	
			50 Suspected blank	
		81	Live exemplars	

*Sampling plan approved by contributors 2/2/22, sampling of live exemplars was agreed upon to be a random selection, cartridges with similar headstamps were chosen for comparison of ammunition components

JUL 1 2 2022

(04/15/21)

*DRAFT General Examination Worksheet

Date: 1/25/2022 /Preparer: Examiner

Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3 /Item(s): See Item listing in chart below

Packaging: N/A – sampling plan information only

List of cartridges to be disassembled including sub-divided Items:

FBI Lab Item #	Sampling	Items for disassembly
Item 4	1 cartridge	Item 4
Item 5	1 cartridge	Item 5
Item 6	1 cartridge	Item 6
Item 7	1 cartridge	Item 7
Item 13-1	1 cartridge	Item 13-1
Item 13-2	2 cartridges FTU only	Item 13-2-1 Item 13-2-2
Item 13-3	2 cartridges FTU only	Item 13-3-1 Item 13-3-2
Item 21	2 cartridges FTU only	Item 21-2 Item 21-3
Item 22	1 cartridge	Item 22
Item 24	1 cartridge	Item 24-1
Item 25	1 cartridge	Item 25-1
Item 28	2 cartridges	Item 28-1 Item 28-2
Item 34	2 cartridges	Item 34-1 Item 34-2

*Items 4 through 7, 13-1, and 22 do not require further sub-dividing, they only consist of one cartridge each

(04/15/21)

*DRAFT General Examination Worksheet

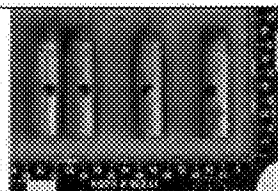
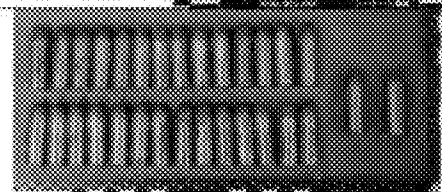
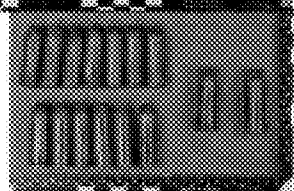
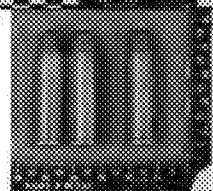
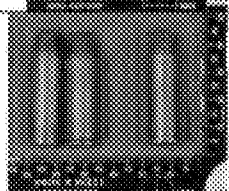
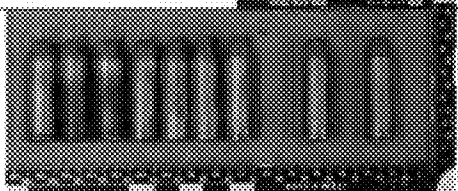
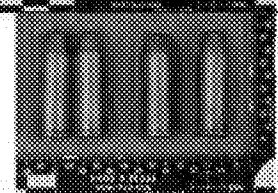
Date: 1/25/2022 /Preparer: Examiner

Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3 /Item(s): See Item listing in chart below

Packaging: N/A – sampling plan information only

New Item descriptions following sub-dividing:

	Items in photo	Descriptions
	Item 13-2, 13-2-1, and 13-2-2 (left to right)	Item 13-2 consists of two cartridges Item 13-2-1 is a cartridge Item 13-2-2 is a cartridge
	Item 13-3, 13-3-1, and 13-3-2 (left to right)	Item 13-3 consists of twenty-eight cartridges Item 13-3-1 is a cartridge Item 13-3-2 is a cartridge
	Item 21, 21-2, and 21-3 (left to right)	Item 21 consists of thirteen cartridges Item 21-2 is a cartridge Item 21-3 is a cartridge
	Item 24 (left) and 24-1 (right)	Item 24 consists of two cartridges Item 24-1 is a cartridge
	Item 25 (left) and 25-1 (right)	Item 25 consists of two cartridges Item 25-1 is a cartridge
	Item 28, 28-1, and 28-2 (left to right)	Item 28 consists of seven cartridges Item 28-1 is a cartridge Item 28-2 is a cartridge
	Item 34, 34-1, and 34-2 (left to right)	Item 34 consists of two cartridges Item 34-1 is a cartridge Item 34-2 is a cartridge

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JUL 12 2022

(04/15/21)

*DRAFT General Examination Worksheet

Date: 1/25/2022 /Preparer: Examiner

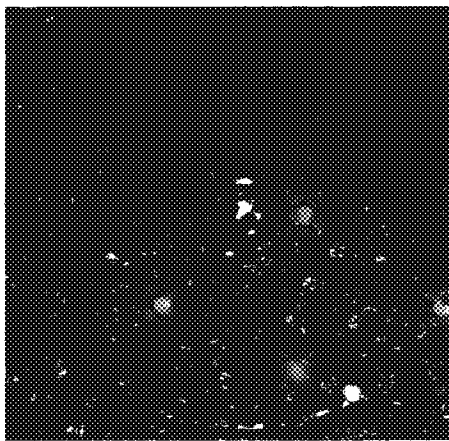
Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3 /Item(s): See Item listing in chart below

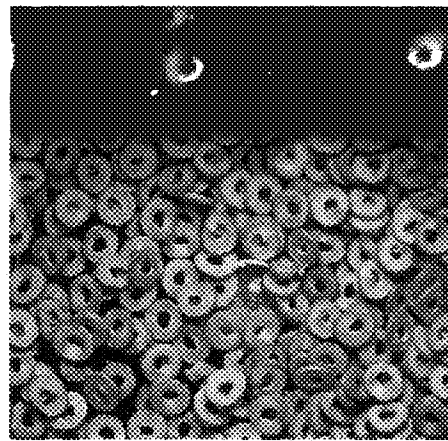
Packaging: N/A- see previous worksheets for designated Items

Examination of ammunition components in disassembled cartridges:

FBI Lab Item #	FBI 1B#	Notes	Findings
Item 4	1B5	Suspected live	Powder present (disc), active primer
Item 5	1B5	Suspected live	Powder present (disc), active primer
Item 6	1B6	Suspected live	Powder present (disc), active primer
Item 7	1B7	Suspected live	Powder present (disc), active primer
Item 13-1	1B2	Suspected live	Powder present (disc), active primer
Item 13-2-1	1B2	Suspected dummy (hole)	Empty case, no powder, inactive primer
Item 13-2-2	1B2	Suspected dummy (hole)	Empty case, no powder, inactive primer
Item 13-3-1	1B2	Suspected dummy	No powder, metal BB, inactive primer
Item 13-3-2	1B2	Suspected dummy	No powder, plastic BB, inactive primer
Item 21-2	1B12	Suspected dummy	No powder, metal BBs, inactive primer
Item 21-3	1B12	Suspected dummy	No powder, metal BBs, inactive primer
Item 22	1B12	Suspected live	Empty case, no powder, inactive primer
Item 24-1	1B16	Live exemplar	Powder present (perforated disc), active primer
Item 25-1	1B16	Live exemplar	Powder present (perforated disc), active primer
Item 28-1	1B19	Live exemplar	Powder present (perforated disc), active primer
Item 28-2	1B19	Live exemplar	Powder present (perforated disc), active primer
Item 34-1	1B21	Live exemplar	Powder present (perforated disc), active primer
Item 34-2	1B21	Live exemplar	Powder present (perforated disc), active primer



Powder from Item 4 through 7 and 13-1 cartridges (Item 4 powder pictured)



Powder from live exemplar cartridges (Item 24-1 powder pictured)

*Note: disassembled cartridges were sent to Explosives Chemistry for further powder examination, these results will be the subject of another Laboratory Report

(04/15/21)

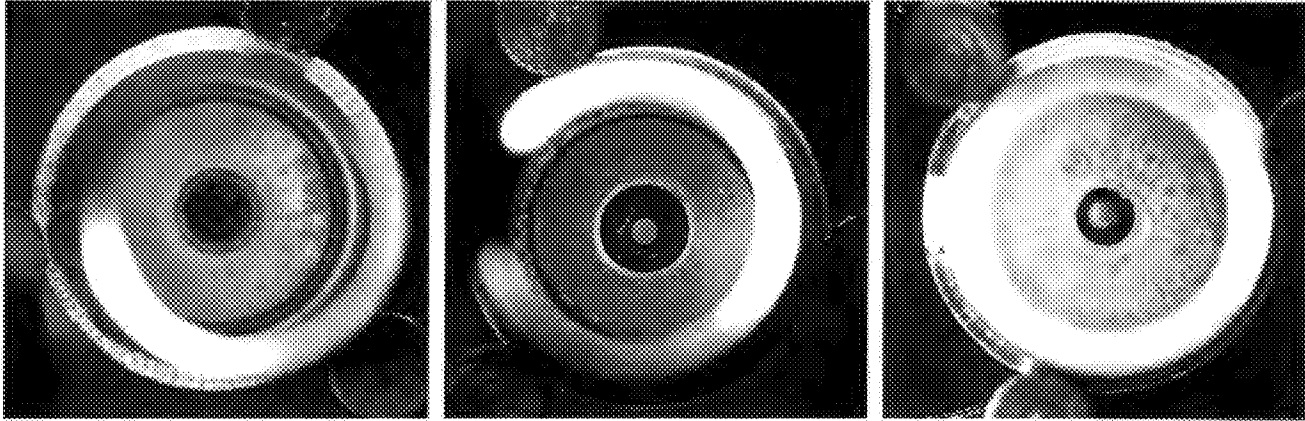
***DRAFT General Examination Worksheet**

Date: 1/25/2022 /Preparer: Examiner

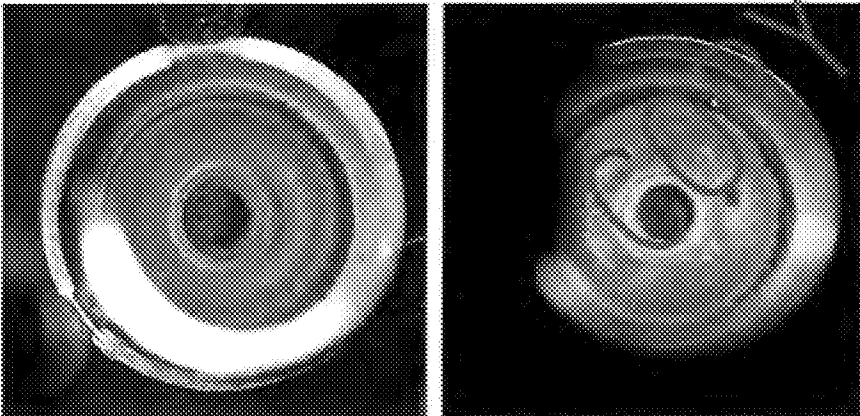
Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3 /Item(s): 4, 13-2-1, 13-3-1, 13-3-2, 21-2, 21-3, 22, 28-1

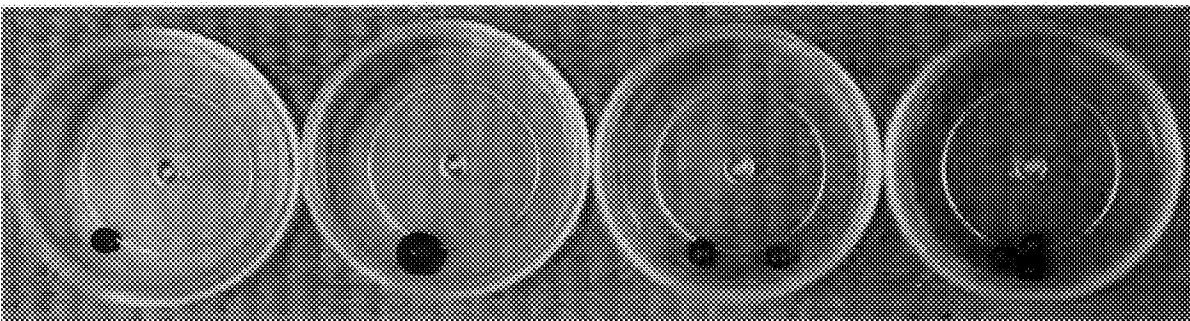
Packaging: N/A- see previous worksheets for designated Items



Item 4 primer (left), Item 28-1 primer (center), RAF primer (right) – anvil observed, primers in Item 4 and 28-1 are physically consistent with the active reference primer



Item 13-2-1 (left), Item 22 (right) empty primer cavities – no anvil/explosive material observed, primer is inactive



BB's located inside Items 13-3-1, 13-3-2, 21-2, and 21-3 (left to right), note – the BB located in Item 13-3-2 appears to be plastic (did not appear in X-ray image)

JUL 12 2022

(04/15/21)

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Date: 6/21/2022

Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3

Method(s): LCM VCM Not Applicable

Item(s): see Item listing in chart below

Ammunition Results (Disassembled):

Primer Assess. by

FBI Lab Item #	Cartridge count	Notes	Results
Item 4	1	Suspected live	Contains design and components of live ammunition
Item 5	1	Suspected live	Contains design and components of live ammunition
Item 6	1	Suspected live	Contains design and components of live ammunition
Item 7	1	Suspected live	Contains design and components of live ammunition
Item 13-1	1	Suspected live	Contains design and components of live ammunition
Item 13-2-1	1	Suspected dummy	Contains design and components of dummy ammunition
Item 13-2-2	1	Suspected dummy	Contains design and components of dummy ammunition
Item 13-3-1	1	Suspected dummy	Contains design and components of dummy ammunition
Item 13-3-2	1	Suspected dummy	Contains design and components of dummy ammunition
Item 21-2	1	Suspected dummy	Contains design and components of dummy ammunition
Item 21-3	1	Suspected dummy	Contains design and components of dummy ammunition
Item 22	1	Suspected live	Contains design and components of dummy ammunition
Item 24-1	1	Live exemplar	Contains design and components of live ammunition
Item 25-1	1	Live exemplar	Contains design and components of live ammunition
Item 28-1	1	Live exemplar	Contains design and components of live ammunition
Item 28-2	1	Live exemplar	Contains design and components of live ammunition
Item 34-1	1	Live exemplar	Contains design and components of live ammunition
Item 34-2	1	Live exemplar	Contains design and components of live ammunition
Totals:			
	5	Suspected live	Contains design and components of live ammunition
	7	Suspected dummy/live	Contains design and components of dummy ammunition
	6	Exemplars	Contains design and components of live ammunition

The Item 4 through 7 and 13-1 cartridges contain the design and components of functional live ammunition.

The Item 13-2-1, 13-2-2, 13-3-1, 13-3-2, 21-2, 21-3, and 22 cartridges contain the design and components of dummy ammunition.

The Item 24-1, 25-1, 28-1, 28-2, 34-1, and 34-2 cartridges were reported as being live exemplars from the manufacturer and contain the design and components of functional ammunition.

Bryce Ziegler 7/12/22

JUL 12 2022

(04/15/21)

DRAFT FOR Tech Review Only

Date: 6/21/2022

Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3

Method(s): LCM VCM Not Applicable

Item(s): see Item listing in chart below

Ammunition Results (Not Disassembled):

Ballistics Assess. BZ

FBI Lab Item #	Cartridge count	Notes	Results
Item 10	50	Suspected blank	Physically consistent with blank ammunition
Item 13	2	Suspected dummy	Physically consistent with dummy ammunition
Item 13-2	2	Suspected dummy (hole)	Physically consistent with dummy ammunition
Item 13-3	28	Suspected dummy	Physically consistent with dummy ammunition
Item 21	13	Suspected dummy	Physically consistent with dummy ammunition
Item 21-1	1	Suspected dummy	Physically consistent with dummy ammunition
Item 23	1	Live exemplar	Physically consistent with live ammunition
Item 24	2	Live exemplar	Physically consistent with live ammunition
Item 25	2	Live exemplar	Physically consistent with live ammunition
Item 28	7	Live exemplar	Physically consistent with live ammunition
Item 31	50	Live exemplar	Physically consistent with live ammunition
Item 32	1	Live exemplar	Physically consistent with live ammunition
Item 33	1	Live exemplar	Physically consistent with live ammunition
Item 34	2	Live exemplar	Physically consistent with live ammunition
Item 35	1	Live exemplar	Physically consistent with live ammunition
Item 36	4	Live exemplar	Physically consistent with live ammunition
Item 37	4	Live exemplar	Physically consistent with live ammunition
Totals:			
	50	Suspected blank	Physically consistent with blank ammunition
	46	Suspected dummy	Physically consistent with dummy ammunition
	75	Exemplars	Physically consistent with live ammunition

The Item 10 cartridges are physically consistent with blank ammunition.

The Item 13, 13-2, 13-3, 21, and 21-1 cartridges are physically consistent with dummy ammunition.

The Item 23, 24, 25, 28, and 31 through 37 cartridges were reported as being live exemplars from the manufacturer and are physically consistent with functional ammunition.

BZ 7/12/22

JUL 12 2022

(04/15/21)

DRAFT FOR Tech Review Only

Date: 6/21/2022

Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3

Method(s): LCM VCM Not Applicable

Item(s): see Item listing in chart below

Summary of cartridge exams by count and type:

Count	Description	Item numbers
5	Contains design and components of live ammunition	4 through 7, 13-1
7	Contains design and components of dummy ammunition	13-2-1, 13-2-2, 13-3-1, 13-3-2, 21-2, 21-3, 22
6	Exemplars - contains design and components of live ammunition	24-1, 25-1, 28-1, 28-2, 34-1, 34-2
50	Physically consistent with blank ammunition	10
46	Physically consistent with dummy ammunition	13, 13-2, 13-3, 21, 21-1
75	Exemplars - physically consistent with live ammunition	23, 24, 25, 28, 31 through 37
Totals:		
189	Total cartridges	
108	Total questioned cartridges	
5	Design and components of live ammunition	
53	Design and components/physically consistent with dummy ammunition	
50	Physically consistent with blank ammunition	
81	Total exemplars	

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JUL 12 2022

(04/15/21)

DRAFT Results Worksheet Only

Date: 6/21/2022

Examiner: Ziegler, Bryce

Laboratory #: 2021-02245-3

Method(s): LCM VCM Not Applicable

Item(s): Items 10, 13, 13-2 (13-2-1, 13-2-2), 13-3 (13-3-1, 13-3-2), 21 (21-2, 21-3), 21-1, and 22 cartridges

Ammunition Results (Manufacturing Marks):

Toolmarks were observed on the Item 10, 13, 13-2 (13-2-1, 13-2-2), 13-3 (13-3-1, 13-3-2), 21 (21-2, 21-3), 21-1, and 22 cartridges that are physically consistent with being produced by a primer press and shell holder. However, no determination could be made as to whether these toolmarks were produced by ammunition assembly, reloading, or commercial ammunition manufacturing.

BZ 7/12/22

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- Additional notes for rijk-action revolver design/operation
- Additional notes for Sterling Brass
- Included ammunition definitions from SAAMI
- Addressed safety concerns during testing

[Signature]

2021-02245-3

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JUL 12 2012

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THIS MANUAL CONTAINS

- ▶ Important warnings which should be read and understood before using this firearm.
- ▶ Directions and procedures for handling, loading, firing and unloading.
- ▶ Instructions for care and cleaning.
- ▶ This instruction and safety manual is designed to help you in learning how to properly use and care for your ELLI Pietta 1873 Single Action Revolver. Only when you are certain you have fully familiarized yourself with the function of your firearm should you practice loading, unloading and firing with live rounds of ammunition.

This instruction manual should always accompany this firearm, and be transferred with it upon change of ownership.



WARNING: DISCLAIMER OF LIABILITY

ELLI PIETTA SMC SHALL NOT BE RESPONSIBLE FOR PRODUCT MALFUNCTIONING OR FOR PHYSICAL INJURY, DEATH OR DAMAGE TO PROPERTY RESULTING FROM EITHER INTENTIONAL OR ACCIDENTAL DISCHARGE OF THIS FIREARM, ITS CRIMINAL OR NEGLIGENT USE, IMPROPER OR CARELESS HANDLING, UNAUTHORIZED MODIFICATIONS OR ALTERATION, USE OF DEFECTIVE OR IMPROPER OR HAND-LOADED OR RELOADED AMMUNITION, OR FROM ITS USE FOR PURPOSES OR SUBJECTION TO TREATMENT FOR WHICH IT WAS NOT DESIGNED. ELLI PIETTA SMC WILL NOT HONOR CLAIMS MADE BY THE SECOND OR SUBSEQUENT OWNER OF THE FIREARM.

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2021-02245-3

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JUL 12 2022

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CAUTION:

PRIOR TO REMOVING THIS GUN FROM ITS PACKAGING, AND PRIOR TO LOADING AND FIRING, CAREFULLY AND THOROUGHLY READ THE ENTIRE INSTRUCTION MANUAL WHICH GIVES ADVICE ON THE GUN'S PROPER HANDLING AND FUNCTIONING. HOWEVER YOUR SAFETY AND THAT OF OTHERS (INCLUDING YOUR FAMILY) DEPENDS ON YOUR RESPONSIBLE COMPLIANCE WITH THAT ADVICE. IF UNFAMILIAR WITH FIREARMS, SEEK SUPERVISED INSTRUCTIONS. FIREARM SAFETY IS YOUR RESPONSIBILITY.



WARNING: A FULL-LOADED UNCOCKED GUN, CAN FIRE.

WHEN THE HAMMER IS UNCOCKED, IT IS POINTED DIRECTLY ON THE CHAMBER WHICH FULLY CHARGES. A BLOW TO THE HAMMER RESULTS FROM A FULL-LOADED GUN CAN CAUSE THE GUN TO BE FIRED. TO PREVENT AN UNDESIRABLE DISCHARGE CAUSED BY A BLOW TO THE HAMMER, ALWAYS CAREFULLY DEPEND ON THE HAMMER DOWN ON AN EMPTY CHAMBER.



IMPORTANT

TO ENSURE THE SHOOTER A BETTER PROTECTION, ALL FIREARMS MARKED ELI PIETTA ARE SUBMITTED TO SEVERE PEE TESTS EVIDENCED BY RELEVANT MARKINGS, MADE BY THE ITALIAN NATIONAL PROOF HOUSE OF GARDONE V.T. - BRESCIA - ITALY.



WARNING - LEAD EXPOSURE

DISCHARGING FIREARMS IN POORLY VENTILATED AREAS, CLEANING FIREARMS, OR HANDLING AMMUNITION MAY RESULT IN EXPOSURE TO LEAD AND OTHER SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS, REPRODUCTIVE HARM, AND OTHER SERIOUS PHYSICAL INJURY. HAVE ADEQUATE VENTILATION AT ALL TIMES. WASH HANDS THOROUGHLY AFTER EXPOSURE. SHOOTING OR CLEANING GUNS MAY EXPOSE YOU TO LEAD.

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SAFETY PRECAUTIONS & WARNINGS

- 1 CARELESS AND IMPROPER HANDLING OF THIS GUN COULD RESULT IN UNINTENDED DISCHARGE CAUSING INJURY, DEATH OR PROPERTY DAMAGE.**
Safety must be the first and constant consideration when handling a firearm and ammunition. Eli Pietta s.n.c. shall not be responsible for product malfunctioning or for physical injury, death or damage to property resulting from either intentional or accidental discharge of this firearm, its criminal or negligent use, improper or careless handling, or from its use for purposes or subject to treatment for which it was not designed.
- 2 NEVER** alter any part or add or replace parts not supplied by Eli Pietta s.n.c. This product was designed to function properly in its original condition. Eli Pietta snc shall not be responsible for product malfunctioning or for physical injury, death or damage to property resulting from unauthorized modifications or alterations.
- 3 ALWAYS** carry revolver with the hammer down on an empty chamber to prevent an accidental discharge caused by a blow to the hammer or with the hammer set on the proper safety position.
- 4** Death, serious injury and damage can result from the use of wrong ammunitions. **For your safety use ONLY factory original high quality ammunitions in good conditions which are appropriate to the caliber of your gun.**
Eli Pietta s.n.c. shall not be responsible for product malfunctioning, damages, death, injury resulting from the use of defective or improper or hand loaded or reloaded ammunition.
- 5 ALWAYS** handle and treat your gun as if it were loaded so you never fire it accidentally when you think it is unloaded. NEVER think it is unloaded. NEVER take anyone's word it is unloaded. ALWAYS check it yourself with your fingers off the trigger and the gun pointed in a safe direction at all times, including while loading. NEVER lean over the muzzle.
- 6 NEVER** keep or carry any revolver with the hammer cocked. Cocking the gun or pulling the trigger should only be done when you are ready to shoot immediately.

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2021-02245-3

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JUN 12 2022

AKS

4/2/21



This way, your gun cannot be unintentionally fired.

7 ALWAYS leave your fingers out of the trigger until you start firing. Note: safety devices on guns are extras and do not substitute for safe handling.

8 NEVER perch the gun on the half-cock notch as it may fall and discharge, causing damage to property, injury or death. The half cock position provides only partial security from accidental discharges. If damaged or modified it provides NO Safety. NEVER depend on this device to prevent accidental discharge!

9 ALWAYS keep the muzzle pointed in a safe direction. This way, if it fires accidentally, personal injury, death or damage to property can be prevented. This is especially important when loading and unloading your gun. NEVER let the muzzle of the firearm point at any part of your body or at another person or at anything you do not intend to shoot, even if you think it is unloaded. ALWAYS be certain of your target before firing.

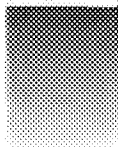
10 ALWAYS unload all firearms when not in use. NEVER store or transport a loaded firearm. Firearms and ammunition should be safely stored separately in locked receptacles minimizing the risk that the gun and ammunition could be easily available for loading and firing.

11 ALWAYS store your firearms out of sight and reach of children or visitors.

12 ALWAYS make sure your gun is not loaded before cleaning, storing or travelling or before laying it down, or handing it to another person for use.

13 NEVER climb a tree, fence or wall while carrying a loaded firearm. NEVER leave a loaded gun unattended or resting against a tree, fence or wall. Someone, especially a child, may fire it and cause injury, death or damage to property.

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14 NEVER shoot at a hard surface or at water. A bullet may ricochet and travel in unpredictable directions to strike you or an object you cannot see, causing injury, death or damage to property.

15 NEVER fire your gun near an animal as the animal's startled reaction could result in injury or accidents.

16 Firearms and alcohol don't mix. NEVER drink alcoholic beverage or take drugs before or during shooting sessions, as this constitutes criminal disregard for your safety and that of others. NEVER use a gun while you are taking medication unless you have checked with your doctor to ensure your fitness to handle your gun safely.

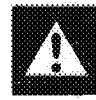
17 Be particularly careful when unloading the revolver to check the cylinder to be certain a live round does not remain in it.

18 Keep all persons nearby to the rear of the shooter. Standing beside or in front of the shooter is not safe. Flames, hot gases and fragments might fly from the side of the gun causing serious injury.

19 If you have any doubts about your ability to handle or use this gun safely DO NOT handle or use this gun. You must seek supervised instruction before doing so.

20 Horseplay has no place around firearms. Guns can't think, you can.

21 REMEMBER, SAFETY IS YOUR RESPONSIBILITY. BE A SAFE SHOOTER AND USE COMMON SENSE AT ALL TIMES.



WARNING:

DEATH, SERIOUS INJURY, AND PROPERTY DAMAGE CAN RESULT FROM THE USE OF WRONG AMMUNITION, BORE OBSTRUCTIONS, POWDER OVERLOADS, OR INCORRECT COMPONENTS!

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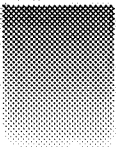
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22 Death, serious injury and damages can result from the use of wrong caliber ammunition. Elli Pietta snc shall not be responsible for physical injury, death or damage to property resulting from the use of wrong ammunition.

23 Water, snow, mud, excess of lubricant oil or grease or any other material can obstruct the barrel of your gun and cause injury or fatality. **ALWAYS** check the barrel of your firearm for obstruction before loading and firing. If you observe any obstruction, **IMMEDIATELY** clean the gun to ensure your gun will function correctly and safely.

WARNING:

FAILURE TO WEAR EYE PROTECTION CAN RESULT IN EYE INJURY!

24 **ALWAYS** wear safety glasses while shooting to protect your eyes from injury by gun powder, hot gases, lubricant, dirt or metallic particles, carbon residue, sparks or other debris. Omit wearing safety glasses can cause injury to your eyes. **ALWAYS** wear safety glasses when disassembling and cleaning any gun to prevent the possibility of springs, spring tension parts, solvents, or other agents from entering and irritating your eyes.

WARNING:

EXPOSURE TO SHOOTING NOISE CAN RESULT IN PERMANENT HEARING LOSS!

25 **ALWAYS** use the due cautions. **ALWAYS** wear and encourage others near you to wear ear protection when shooting, especially on a range. Without ear protection, the noise from your gun, and other guns close to you, could leave a "ringing" in the ears for some time after firing. Repeated exposure to shooting noise could result in permanent hearing loss.

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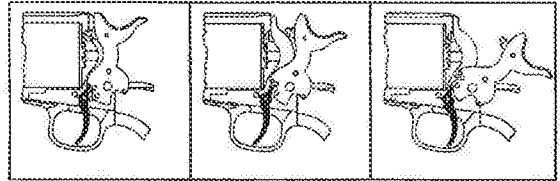
SINGLE ACTION HANDLING

The term "Single Action" means that the hammer of your revolver must be manually drawn fully rearward, or "cocked", before firing each shot. In the process of cocking your revolver, you should note that there are three separate hammer positions, each one having its purpose.

1 **BASIC SAFETY AND "At Rest" POSITION**
Draw the hammer backward of about 1/4" and you will feel the hammer "click" into its safety notch. (If you listen carefully, you can hear it). In doing this you are engaging its normal internal safety notch and, at the same time, activating the built-in-hammer block mechanism. This device puts a plate of steel between the hammer and frame of your gun and is designed to prevent accidental firing. Your revolver should always be in this "at rest" position whenever you are not actually shooting (see fig. 1).

2 **LOADING/UNLOADING (Half Cock) POSITION**
Draw the hammer back to the next second-notch position (you can also hear this click if you listen carefully). In doing this, you actually disengage the cylinder of your revolver and allow it to freely rotate in the direction of the loading gate. This permits you to load or unload your revolver when you open the loading/unloading gate on the right rear side of the frame (see fig. 2).

3 **READY (Full Cock) POSITION**
Draw the hammer fully rearward to its full-cock notch. Make sure it clicks into this rearmost position. Your revolver is now ready to fire (see fig. 3).



CAUTION:

NEVER ATTEMPT TO USE YOUR REVOLVER IN ANY POSITION EXCEPT THE FULL-COCK POSITION. ATTEMPTING TO PULL THE TRIGGER IN THE SAFETY POSITION OR HALF-COCK POSITION WILL STRAIN THE MECHANISM AND POSSIBLY MAKE IT UNSAFE. IT MIGHT EVEN HURT IF YOU ARE STRONG ENOUGH!



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SINGLE ACTION

DECOCKING (UNCOCKING) THE REVOLVER

If you have your revolver in the full-cock position and change your mind and don't want to shoot, carefully follow these steps:

- 1 Make certain that the revolver is pointing in a safe direction.
- 2 Make certain both hands are dry and not impeded in any way-gloves, bandages, cold, etc.
- 3 Fully draw the hammer back with your thumb and continue holding it fully rearward while pulling the trigger backward. Hold the trigger and hammer back in this position.
- 4 While holding the trigger back, slowly lower the hammer downward, past its half-cock notch. **REMEMBER, YOU ARE LOWERING IT TOWARD A LIVE ROUND!** Be careful and keep it pointed in a safe direction.
- 5 When past the half-cock notch, release pressure on the trigger and take your finger out of the trigger guard.
- 6 Continue to lower the hammer to its safety notch position.

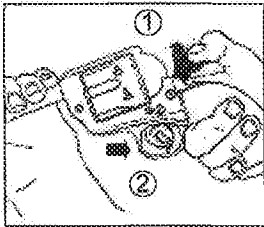


FIG. A

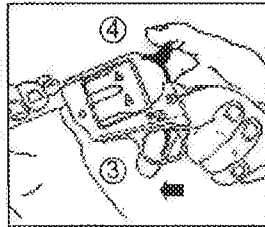


FIG. B

Fig. A - With the thumb controlling the hammer as shown above, (1) squeeze trigger to permit hammer to break free (2).

Fig. B - When hammer is free, immediately release trigger (3). Then lower hammer slowly to its resting position completely down against frame (4).

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CAUTION:

YOU SHOULD PRACTICE THIS IMPORTANT GUN HANDLING SKILL WITH AN UNLOADED REVOLVER UNTIL YOU HAVE DEVELOPED THE PROPER CONTROL AND "TOUCH" TO DECOCK YOUR REVOLVER SAFELY.



CAUTION:

USE EXTREME CARE WHEN ATTEMPTING TO DECOCK THE REVOLVER. AS THE THUMB SLIPPING DURING THIS PROCESS CAN RESULT IN AN ACCIDENTAL DISCHARGE IF THE TRIGGER IS HELD TO THE REAR.



CAUTION:

REMEMBER, WHEN YOU FULLCOCK YOUR REVOLVER TO SHOOT IT AGAIN, YOU ROTATE THE CYLINDER. WHEN YOU DECOCKED YOUR REVOLVER AND DECIDED NOT TO FIRE, THAT ROUND IS STILL LIVE IN THE CYLINDER AND WILL ROTATE BACK TOWARDS THE FIRING PIN POSITION WITH EACH COCKING.

DO NOT FORGET ABOUT THIS ROUND. If you fired rounds prior to the decocking operation and start firing again, the hammer will fall on one or more empty cylinders and still will fall on the live round. **BE EXTREMELY CAREFUL OF THIS LIVE ROUND.**

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SINGLE ACTION

LOADING AND FIRING

Although the Single Action Revolvers are often referred to as "Six-shooters" it was customary in the Old West to only load five rounds in the gun and leave the chamber under the hammer empty. This is by far the safest way to load a single action revolver.



CAUTION:

ALWAYS WEAR YOUR SAFETY GLASSES TO PROTECT YOUR EYES. ALWAYS LEAVE THE CHAMBER UNDER THE HAMMER EMPTY. IF THE REVOLVER IS LOADED AND THE HAMMER IS DOWN, IT SHOULD BE CONSIDERED FOR THE LIFE OF AN INDIVIDUAL THE SHOTGUN IS IN THE HAMMER.



CAUTION:

DO NOT LOAD THE REVOLVER UNTIL YOU ARE READY TO USE IT. READ SAFETY PRECAUTIONS. KEEP GUN POINTING IN A SAFE DIRECTION. ALWAYS KEEP YOUR FINGERS AWAY FROM THE TRIGGER WHENEVER YOU DO NOT INTEND TO FIRE.

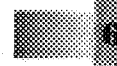
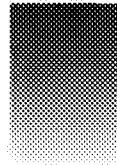


WARNING!

USE ONLY FACTORY MADE AMMUNITION. THE MATERIALS OF THIS FIREARM HAVE BEEN SELECTED ACCORDING TO THE FACTORY MADE AMMUNITION PRESSURES. THE BIRLING AND THE CHAMBER SIZE OF THIS FIREARM HAVE BEEN SELECTED ACCORDING TO THE FACTORY MADE AMMUNITION SIZE.

- 1 Keeping your fingers out of the trigger guard and off the trigger, draw the hammer back to the half cock position which makes the cylinder free to rotate.
- 2 Open the loading gate as far as it will go. This will expose each chamber, one at a time, as you rotate the cylinder.

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3 Make sure you have the exact caliber cartridges matching the exact caliber of the revolver. Then load one cartridge in each chamber.

4 Close the loading gate which, as you can see, becomes part of the recoil shield.

5 Place the hammer in the safety notch position by drawing it back slightly to disengage it from its half-cock notch position, carefully pull the trigger back, and, holding it back, allow the hammer to travel slowly forward but only far enough to pass its half-cock notch.

NOTE: You will not hear a click as the hammer moves through the half-cock notch. Then release the pressure on the trigger and continue to slowly lower the hammer forward until it clicks into its safety position. **AGAIN, YOU SHOULD PRACTICE THIS LOADING FUNCTION WITHOUT ANY CARTRIDGES UNTIL YOU ARE COMFORTABLE WITH HANDLING THE HAMMER AND ARE FAMILIAR WITH ITS RESPECTIVE NOTCHES.**

6 To fire the revolver, the hammer must first be manually cocked. When cocking the hammer, have a firm hold on the grip with the shooting hand and **DO NOT TOUCH THE TRIGGER WHILE COCKING THE HAMMER. TOUCH THE TRIGGER ONLY WHEN YOU ARE READY TO FIRE.** With the fore portion of your thumb firmly on the hammer spur, draw the hammer fully to the rear until it stops. Then permit the hammer to move backward slightly until the trigger engages in the hammer at full cock.

7 Once the hammer has been cocked, a light pressure on the trigger will disengage the trigger from the hammer. The hammer will fall forward and the revolver will fire.

After firing, the hammer will remain down. To fire subsequent shots, fully release the trigger and repeat steps 6 & 7 above for each shot.

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SINGLE ACTION

UNLOADING



CAUTION:

ALWAYS KEEP THE REVOLVER POINTED IN A SAFE DIRECTION. IF THE HAMMER IS COCKED IT MUST FIRST BE DECOCKED. DO NOT TOUCH TRIGGER AND ALWAYS KEEP HANDS AWAY FROM MUZZLE.

1 Draw the hammer to its half-cock position and open the loading gate on the right rear part of the frame.

2 Push out each cartridge or empty case with the ejector rod located under the barrel. Operate the ejector rod in each chamber to its full length to assure full length case ejection.

3 Check to be certain that all cartridges have been removed, then close the gate.



CAUTION:

DO NOT EJECT UNFIRED CARTRIDGES ONTO ANY SURFACES WHERE THE CARTRIDGE PRIMER MIGHT STRIKE A SOLID OBJECT AND DISCHARGE THE CARTRIDGE.

SINGLE ACTION

CARE AND CLEANING



CAUTION:

ALWAYS MAKE SURE THE REVOLVER IS COMPLETELY UNLOADED BEFORE CLEANING. WEAR SAFETY GLASSES IN CASE YOU LOSE CONTROL OF SOME SPRING-LOADED COMPONENT WHICH COULD INJURE YOUR EYES.

At regular intervals or when the revolver has been exposed to sand, water or other adverse conditions, disassemble, clean and oil it.

Remove the cylinder using the following steps:

1 Open the loading gate.

2 Place the hammer in its half-cock notch.

3 Depress the base pin catch. This is the spring loaded plunger located on the left front side of the frame. Keep it depressed.

4 Slide the base pin all the way out. The base pin is the heavy pin around which the cylinder rotates (and provides a bearing surface for the cylinder). It should always be clean and lubricated.

5 Remove cylinder toward the loading gate. The cylinder is made to fit your revolver precisely and can be removed and replaced easily, but carefully. It is a close fit, so don't force it to move in any direction.

To reassemble, simply reverse the steps above.

When you reassemble the base pin, make sure the base pin catch snaps back in its regular position. You can test this by making sure the plunger is free to move when you depress it and it returns under its own spring pressure.

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Use a wood, aluminum or brass cleaning rod (not steel), a brass bristle brush and patches appropriate to your revolver's caliber to clean it. Use a good quality cleaning solution to swab the bore and each cylinder. While swabbing the bore always brush all the way through the bore; never try to reverse direction while the brush is actually in the barrel or chamber. After swabbing, run clean patches through the bore and chambers until they come out clean. Then completely, but lightly, oil the entire revolver. Use a good quality brass polish on the backstrap and triggerguard (if made of brass). The brass parts are solid brass and, as such, will tarnish, reflecting their good quality. It is easily removed with any good quality brass polish.



CAUTION:

FIRING A REVOLVER WITH OIL, GREASE, OR ANY OTHER MATERIAL EVEN PARTIALLY OBSTRUCTING THE BORE MAY RESULT IN DAMAGE TO THE REVOLVER AND SERIOUS INJURY TO THE SHOOTER AND THOSE NEARBY. DO NOT SPRAY OR APPLY LUBRICANTS DIRECTLY ON AMMUNITION. IF THE POWDER CHARGE OF A CARTRIDGE IS AFFECTED BY THE LUBRICANT, IT MAY NOT BE IGNITED, BUT THE ENERGY FROM THE PRIMER MAY BE ENOUGH TO PUSH THE BULLET INTO THE BORE WHERE IT MAY BECOME LODGED. FIRING A SUBSEQUENT BULLET INTO THE OBSTRUCTED BORE MAY DAMAGE THE REVOLVER AND CAUSE SERIOUS INJURY OR DEATH TO THE SHOOTER AND THOSE NEARBY. USE LUBRICANTS PROPERLY. YOU ARE RESPONSIBLE FOR THE PROPER CARE AND MAINTENANCE OF YOUR FIREARM.

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STORAGE

Always unload your gun and store it and ammunition separately in a locked receptacle out of children's reach and sight, minimizing the risk that the gun and ammunition could be easily available for loading and firing.

USE YOUR REVOLVER CAREFULLY AND SAFELY



WARNING:

PLEASE REGISTER YOUR GUN ON OUR INTERNET SITE:

www.pietta.it
UNLOAD MANUALS' UPDATES FROM OUR SITE

PLEASE HAVE A LOOK AT OUR WEBSITE FOR ORIGINAL PII PIETTA SPARE PARTS DISTRIBUTORS

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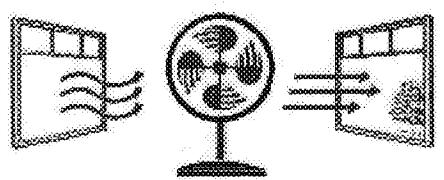
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SINGLE ACTION

LEAD EXPOSURE

REDUCING EXPOSURE:

Lead contamination in the air, in dust and on your skin is invisible. **Keep children and pregnant women away** during use and until cleanup is complete. Risk can be reduced but not eliminated- with strong ventilation; washing hands immediately after use of these products before eating or smoking and careful cleaning of surfaces and floors with disposable wipes, after lead dust has had a chance to settle. Use a lead specific cleaner with EDTA or a high-phosphate detergent (like most detergents sold for electric dishwashers) and big wipes for disposal.



Use strong ventilation

Discharging firearms in poorly ventilated areas, cleaning firearms or handling ammunition may result in exposure to lead and other substances known to the State of California to cause birth defects, reproductive harm and other serious physical injury. Have adequate ventilation at all times. Wash hands thoroughly after exposure. Shooting or cleaning guns may expose you to lead.

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SINGLE ACTION

STATE WARNINGS

Certain states require by law that the manufacturer, distributor, or retail dealer provide specific-warning notices with firearms sold in that state. To comply with these laws and regulations, FLLI Pietta includes the following warnings:



WARNING:

"CHILDREN ARE ATTRACTED TO AND CAN OPERATE FIREARMS THAT CAN CAUSE SEVERE INJURIES OR DEATH. PREVENT CHILD ACCESS BY ALWAYS KEEPING GUNS LOCKED AWAY AND UNLOADED WHEN NOT IN USE. IF YOU KEEP A LOADED FIREARM WHERE A CHILD OBTAINS AND IMPROPERLY USES IT, YOU CAN BE FINED OR SENT TO PRISON."



WARNING:

"A LOS NIÑOS LOS ATRAEN LAS ARMAS DE FUEGO Y LAS PUEDEN HACER FUNCIONAR. ELLOS PUEDEN CAUSARSE LESIONES GRAVES Y LA MUERTE. EVITE QUE LOS NIÑOS TENGAN ACCESO A LAS ARMAS DE FUEGO GUARDÁNDOLAS SIEMPRE CON LLAVE Y DESCARGADAS CUANDO NO LAS ESTÉ UTILIZANDO. SI USTED TIENE UN ARMA DE FUEGO CARGADA EN UN LUGAR EN QUE UN NIÑO TIENE ACCESO A ELLA Y LA USA INDEBIDAMENTE, LE PUEDEN DAR UNA MULTA O ENVIARLO A LA CARCEL."

Connecticut:

"UNLAWFUL STORAGE OF A LOADED FIREARM MAY RESULT IN IMPRISONMENT OR FINE."

Florida:

"IT IS UNLAWFUL, AND PUNISHABLE BY IMPRISONMENT AND FINE, FOR ANY ADULT TO STORE OR LEAVE A FIREARM IN ANY PLACE WITHIN THE REACH OR EASY ACCESS OF A MINOR UNDER 18 YEARS OF AGE OR TO KNOWINGLY SELL OR OTHERWISE TRANSFER OWNERSHIP OR POSSESSION OF A FIREARM TO A MINOR OR A PERSON OF UNSOUND MIND."

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Maine:

"ENDANGERING THE WELFARE OF A CHILD IS A CRIME. IF YOU LEAVE A FIREARM AND AMMUNITION WITHIN EASY ACCESS OF A CHILD, YOU MAY BE SUBJECT TO FINE, IMPRISONMENT OR BOTH. KEEP FIREARMS AND AMMUNITION SEPARATE. KEEP FIREARMS AND AMMUNITION LOCKED UP. USE TRIGGER LOCKS."

Maryland:

"WARNING: CHILDREN CAN OPERATE FIREARMS WHICH MAY CAUSE DEATH OR SERIOUS INJURY. IT IS A CRIME TO STORE OR LEAVE A LOADED FIREARM IN ANY LOCATION WHERE AN INDIVIDUAL KNEW OR SHOULD HAVE KNOWN THAT AN UNSUPERVISED MINOR WOULD GAIN ACCESS TO THE FIREARM. STORE YOUR FIREARM RESPONSIBLY!"

Massachusetts:

"WARNING FROM THE MASSACHUSETTS ATTORNEY GENERAL: THIS HANDGUN IS NOT EQUIPPED WITH A DEVICE THAT FULLY BLOCKS USE BY UNAUTHORIZED USERS. MORE THAN 200,000 FIREARMS LIKE THIS ONE ARE STOLEN FROM THEIR OWNERS EVERY YEAR IN THE UNITED STATES. IN ADDITION, THERE ARE MORE THAN A THOUSAND SUICIDES EACH YEAR BY YOUNGER CHILDREN AND TEENAGERS WHO GET ACCESS TO FIREARMS. HUNDREDS MORE DIE FROM ACCIDENTAL DISCHARGE. IT IS LIKELY THAT MANY MORE CHILDREN SUSTAIN SERIOUS WOUNDS, OR INFLECT SUCH WOUNDS ACCIDENTALLY ON OTHERS. IN ORDER TO LIMIT THE CHANCE OF SUCH MISUSE, IT IS IMPERATIVE THAT YOU KEEP THIS WEAPON LOCKED IN A SECURE PLACE AND TAKE OTHER STEPS NECESSARY TO LIMIT THE POSSIBILITY OF THEFT OR ACCIDENT. FAILURE TO TAKE REASONABLE PREVENTIVE STEPS MAY RESULT IN INNOCENT LIVES BEING LOST, AND IN SOME CIRCUMSTANCES MAY RESULT IN YOUR LIABILITY FOR THESE DEATHS."

"IT IS UNLAWFUL TO STORE OR KEEP A FIREARM, RIFLE, SHOT-GUN OR MACHINE GUN IN ANY PLACE UNLESS THAT WEAPON IS EQUIPPED WITH A TAMPER-RESISTANT SAFETY DEVICE OR IS STORED OR KEPT IN A SECURELY LOCKED CONTAINER."

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New Jersey:

"IT IS A CRIMINAL OFFENSE TO LEAVE A LOADED FIREARM WITHIN EASY ACCESS OF A MINOR."

New York City:

"THE USE OF A LOCKING DEVICE OR SAFETY LOCK IS ONLY ONE ASPECT OF RESPONSIBLE WEAPONS STORAGE. ALL WEAPONS SHOULD BE STORED UNLOADED AND LOCKED IN A LOCATION THAT IS BOTH SEPARATE FROM THEIR AMMUNITION AND INACCESSIBLE TO CHILDREN AND ANY OTHER UNAUTHORIZED PERSONS."

North Carolina:

"IT IS UNLAWFUL TO STORE OR LEAVE A FIREARM THAT CAN BE DISCHARGED IN A MANNER THAT A REASONABLE PERSON SHOULD KNOW IS ACCESSIBLE TO A MINOR."

Texas:

"IT IS UNLAWFUL TO STORE, TRANSPORT, OR ABANDON AN UNSECURED FIREARM IN A PLACE WHERE CHILDREN ARE LIKELY TO BE AND CAN OBTAIN ACCESS TO THE FIREARM."

Wisconsin:

"IF YOU LEAVE A LOADED FIREARM WITHIN THE REACH OR EASY ACCESS OF A CHILD YOU MAY BE FINED OR IMPRISONED OR BOTH IF THE CHILD IMPROPERLY DISCHARGES, POSSESSES, OR EXHIBITS THE FIREARM."

Please also check with your licensed retailer or state police for additional warnings which may be required by local law or regulation. Because such regulations are subject to change, local authorities are in the best position to advise you on such legal matters.

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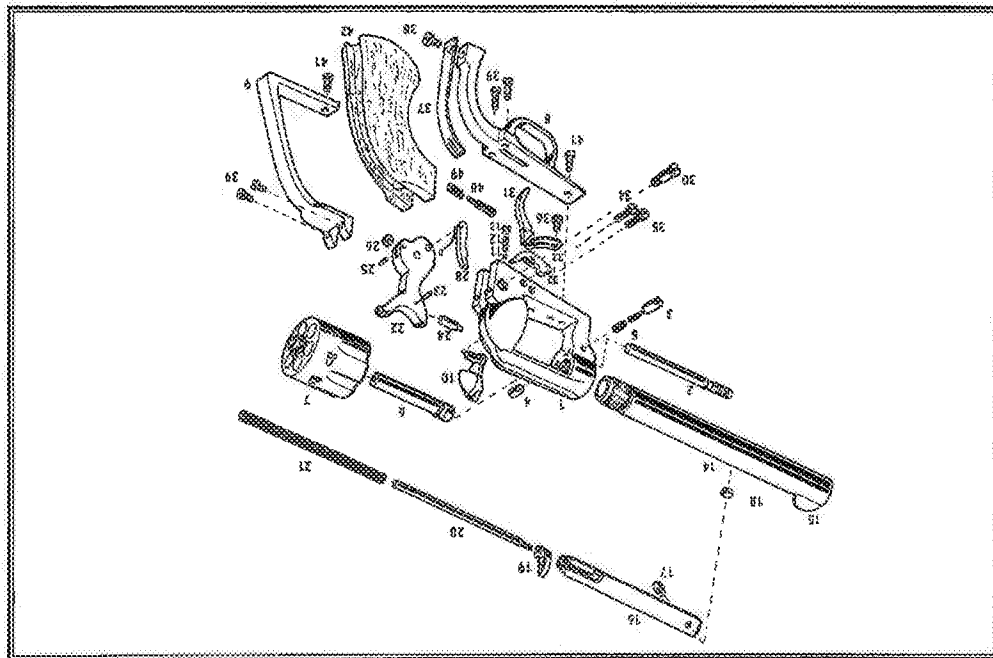
1 CASTELLO FRAME	13 GRANO SPORIELLO GATE CATCH SCREW	25 SPINA BONDILLA CANE HAMMER ROLLER PIN	39 VITE BASCETTA/SOTE LINGUA BACKSTRAP REAR SCREW
2 PERNO CASTELLO BASE PIN	14 CANNA BARREL	26 BONDILLA CANE HAMMER ROLLER	41 VITE BASCETTA/SOTE CORTA BACKSTRAP FRONT SCREW
3 PERNO BLOCCAGGIO PERNO CANTO BASE PIN LATCH	15 MIRINO FRONT SIGHT	28 LEVA ROTAZIONE TAMBURO HAND	42 GUANCINA CAP
4 TESTA BILIBIATA BASE PIN LATCH NUT	16 TUBETTO ESPULSORE EJECTOR HOUSING	30 VITE CANE HAMMER SCREW	48 GUIDA MOLLA RICAMBIO LEVA ROTAZIONE TAMBURO BOLT REC. COIL SPRING GUIDE
5 MOLLA BULSANTE PERNO BASE PIN LATCH SPRING	17 VITE PESAG. TUBETTO ESPULSORE EJECTOR HOUSING SCREW	31 GRILLETTO TRIGGER	49 MOLLA RICAMBIO LEVA ROTAZIONE TAMBURO BOLT REC. COIL SPRING
6 TUBETTO GUIDA TAMBURO BASE PIN BUSHING	18 BUSSOLA ANCORAGGIO VITE ESP. EJECTOR HOUSING SCREW NUTTING	32 NOTTOLENO BOLT	50 INSEPI BASCULA BUSHING PIN RECOIL SHIELD
7 TAMBURO CYLINDER	19 MANETINO ESPULSORE EJECTOR HEAD	33 MOLLA GRILLETTO/NOTTOLENO TRIGGER & BOLT SPRING	
8 SOTTOGUARDIA TRIGGER GUARD	20 ASTA ESPULSORE EJECTOR ROD	34 VITE DEL GRILLETTO TRIGGER SCREW	
9 BASCETTA BACKSTRAP	21 MOLLA ESPULSORE EJECTOR SPRING	35 VITE DEL NOTTOLENO BOLT SCREW	
10 SPORIELLO GATE	22 CANE HAMMER	36 VITE MOLLA GRILLETTO TRIGGER SPRING SCREW	
11 PERNO CONTRASTO SPORIELLO GATE CATCH	23 SPINA PERCUSSIONE HAMMER PIN RIVET	37 MOLLA CANE REAR SPRING	
12 MOLLA PERNO SPORIELLO GATE SPRING	24 PERCUSSIONE HAMMER PIN	38 VITE MOLLA CANE REAR SPRING SCREW	

SI PREGA DI SPECIFICARE SEMPRE IL CALIBRO E IL TIPO DI BOTTOLA DELL'ARMA.
WHEN PLACING YOUR ORDER FOR SPARE PARTS, PLEASE MENTION THE REFERENCE CODE AND CALIBER OF THE GUN.

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