

Search history

Search PN=(wo2014173964) (Results 1)
1:

Search ((DISARMING and SYSTEM) AND (DISARMING and AMMUNITION and CARTRIDGES)) (Results 1)
2:

Search fn=(58831267 or 63014522 or 62682422 or 1765474 or 25128962 or 29696569 or 31943603 or 22226402 or 22826584 or 22462707 or 3: 1365108 or 1404526 or 43568822 or 48907760) (Results 14)

Search fn=(57695647 or 57695647) (Results 1)
4:

Search Machine and disarm and defective and ammunition and cartridges (Results 0)
5:

Search device and disarm and cartridges (Results 1)
6:

Search device and disarm and bullet (Results 0)
7:

Search machine and Disassembly and bullet (Results 9)
8:

Search PN=(CN103206904 or CN104308507 or CN205614578 or CN104833278 or RU2300728 or RU2357203 or JP2003314998) (Results 8)
9:

Search fn=(49818963 or 48907760 or 54365004 or 56358888 or 52100831 or 23539265 or 29809042 or 30290160 or 57695647) (Results 9)
10:

Search fn=(58831267 or 58831267 or 59753571 or 59753571 or 60077210 or 57695647 or 62937375 or 57044534 or 57695647 or 63936311 or 11: 33331179 or 53438625 or 53438625 or 29312875 or 32419399 or 34282329 or 43196010 or 27509467 or 21747796 or 1404526) (Results 16)

Search fn=(52704187 or 52704187 or 53504999 or 53504999 or 54365004 or 54365004 or 57572926 or 58251364 or 58378747 or 58378747 or 12: 58378758 or 58378758 or 61148585 or 62946432 or 57695647 or 57695647) (Results 10)

Search PN=(DE2856436 or WO2011059357 or US2349248 or DE78715 or GB627268) (Results 5)
13:

Search fn=(52704187 or 52704187 or 53504999 or 53504999 or 54365004 or 54365004 or 57572926 or 58251364 or 58378747 or 58378747 or 14: 58378758 or 58378758 or 61148585 or 62946432 or 57695647 or 57695647) (Results 10)

Search fn=(60077210 or 57695647 or 21577771 or 22571474 or 57695647) (Results 4)
15:

Search ((machine and Disassembly and bullet) and (IPC=(F42B33/06))) (Results 1)
16:

Search ((device and Disassembly and bullet) and (IPC=(F42B33/06))) (Results 4)
17:

Search ((apparatus and Disassembly and bullet) and (IPC=(F42B33/06))) (Results 0)
18:

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Search fn=(58831267 or 63014522 or 62682422 or 1765474 or 25128962 or 29696569 or 31943603 or 22226402 or 22826584 or 22462707 or 20: 1365108 or 1404526 or 43568822 or 48907760) (Results 14)

Search 20 or 13 or 9 (Results 22)
21:

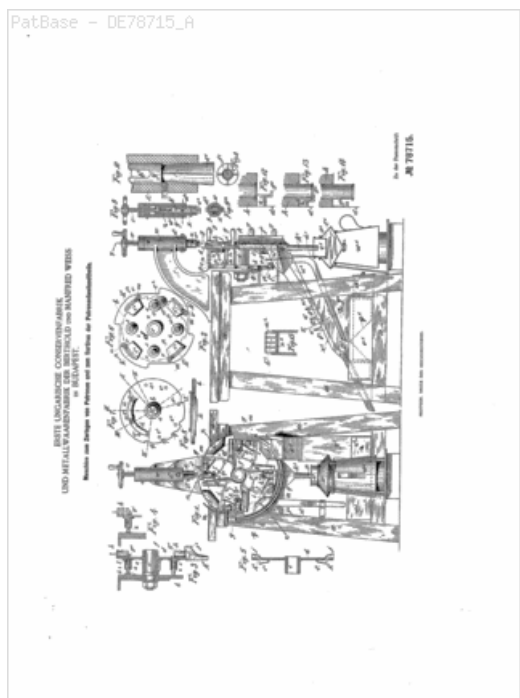
Classifications:

International (IPC 8-9): F42B33/06 (Advanced/Invention);
F42B33/00 (Core/Invention)

International (IPC 1-7): B07C9/00 F42B33/06

CPC: F42B33/06

European: F42B33/06



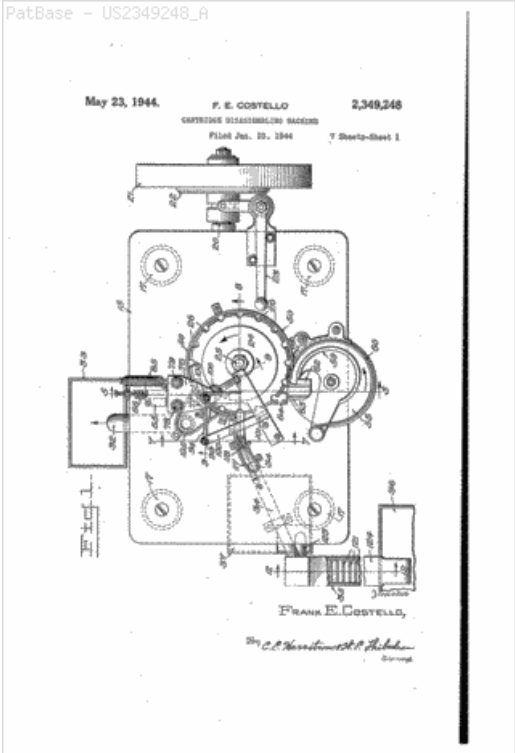
Family:

Publication number	Publication date	Application number	Application date
DE78715 A	00000000		00000000

Title: CARTRIDGE DISASSEMBLING MACHINE

Abstract: Source: US2349248A 1. In a machine for disassembling cartridges, the combination of a, a rotatable dial having cartridge-receiving notches equally spaced around its periphery, means repeatedly effective at spaced time intervals for advancing said dial through the angular distance between notches whereby notch successively occupies "at rest" positions spaced all the way around said dial periphery, a feeding station along said path in register with a given one of said "at rest" positions, means at said feeding station for each revolution of the dial, a pulling station also along said path but in register with another one of said dial notch "at rest" positions that is beyond said feeding station, means at said pulling station for securing in the machine the case head of each cartridge that is brought thereto by said dial, means at said pulling station effective then to grip the projectile of each of said cartridges and pull it completely free of the cartridge case for subsequent ejection from the machine, a discharge station likewise along said path but in register with a third one of said dial notch "at rest" positions that is beyond said pulling station, means at said discharge station for pushing from said dial each cartridge case that is brought to the discharge station by the dial, and means then effective for emptying the powder from each of said cases and for the ejection of the so separated cases and powder from the machine,

Classifications:
International (IPC 8-9): F42B33/06 (Advanced/Invention); F42B33/00 (Core/Invention)
International (IPC 1-7): F42B33/06
CPC: F42B33/06 Y10T29/53539
European: F42B33/06
US: 125/30.01 29/822 86/49



Family:

Publication number	Publication date	Application number	Application date
US2349248 A	19440523	US19440519630	19440125

Priority:
US19440519630 19440125

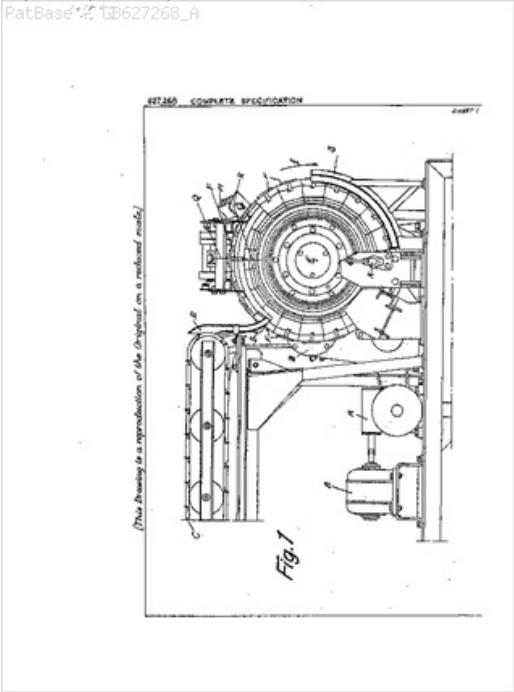
Probable Assignee: COSTELLO FRANK E
Assignee(s): (std): COSTELLO FRANK E
Inventor(s): (std): COSTELLO FRANK E

Title: Apparatus for recovering and unpriming the elements forming small bore ammunition

Abstract: Source: GB627268A 35103. Convention date, July 11. [Class 9 (I)] In apparatus for recovering and unpriming the elements of small bore ammunition, ammunition is brought by a conveyor belt C and a shoot D to a wheel E with its rim inclined at about 30 degrees, a pusher member thrusting the individual rounds into housings F provided on the periphery of the wheel, so that, as the wheel is rotated, each projectile is brought into engagement with an extracting device G consisting of a carriage having a reciprocating motion and provided with two jaws adapted to grip the projectile and tear it out of the cartridge case. Furthermore, after extraction of the projectile the gunpowder falls out of the case into a receiver J and the case is then submitted to the action of a striker K and finally ejected. An iron plate having a V-shaped slot positions the individual rounds in the shoot D so that they arrive base downwards at the wheel. The rotation of the wheel and reciprocating motion of the extracting device are intermittent and arranged to take place alternately by inserting in the drive from a motor A a Maltese cross B, co-operating with a cam and a roller. The extractor carriage is provided with sleeves of diameters varying with the calibre of the ammunition. The extractor jaws are spring-pressed and move apart as they approach the projectile, which is then gripped between their striated surfaces and pulled out of its case on the return journey of the carriage. The extracted projectiles pass through a channel into a receiver, the leading projectiles being pushed forward by the following ones. As the wheel continues its motion, the gunpowder is poured into a collector J which conveys it to a receiver isolated beneath the machine. The cartridge case passes in front of a spring-actuated striker K controlled by a cam slope on the wheel. The striker fires the primer and ejecting means forces the case from the wheel into a receiver. If the jaws fail to extract the projectile, the latter contacts a safety switch M and stops the motor A. Mechanical or electrical means for driving the machine may replace the motor A. The conveyor belt may be replaced by an incline.

Classifications:

International (IPC 8-9): F42B33/06 (Advanced/Invention);
F42B33/00 (Core/Invention)
International (IPC 1-7): B23Q7/02 F42B33/06
CPC: F42B33/06
European: F42B33/06



Family:

Publication number	Publication date	Application number	Application date
FR1002004 A	19520303		19460711
GB627268 A	19490804	GB19460035103	19461126

Priority:

19460711

Probable Assignee: TECH MODERNES

Assignee(s): (std): TECH MODERNES ; TECH MODERNES S A

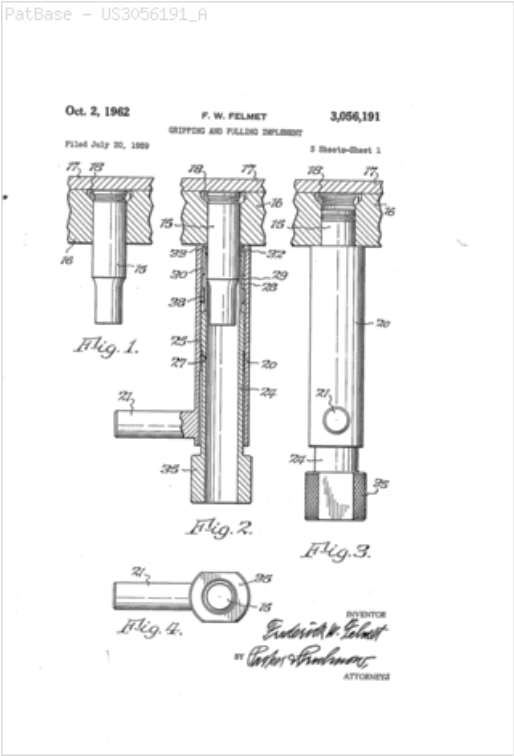
Assignee(s): TECHNIQUES MODERNES ; TECHNIQUES MODERNES S A

Title: GRIPPING AND PULLING IMPLEMENT

Abstract: Source: US3056191A (Claim 1) An implement for turning and pulling an article from a retainer, said implement including a housing, a chuck in said housing and having resilient tapered grip- ping fingers on an end thereof, a collar positioned coaxially i- i said housing and movable axially therein and having a tapered inner faceconver- ing toward said retainer and with which said chuck fingers cooperatp- for moving said fingers into wedging relation to the article, said _ousin- beiig internally screw-threaded to cooperate with an externally screw-thread-,d part of said chuck, said chuck member when turned in one direction ur_ ing the fingers of said chuck into wedging engagement with said collar and said article and when turned in the other directic)n after eiigaging the fingers of said chuck ,vith said collar aaid said article, imparting rotation.a-_id lengthwise movement to the article.

Classifications:

International (IPC 8-9): B21D28/34 (Advanced/Invention);
B21D28/34 (Core/Invention)
International (IPC 1-7): B25B27/02
CPC: B21D28/34 Y10T29/53848 Y10T29/53991 Y10T29/17547
European: B21D28/34
US: 279/53 29/256 29/283 294/100 294/102.1 81/3.42 86/49



Family:

Publication number	Publication date	Application number	Application date
US3056191 A	19621002	US19590828392	19590720

Priority:

US19590828392 19590720

Probable Assignee:

ROBERT H KING

Assignee(s): (std):

ROBERT H KING

Inventor(s): (std):

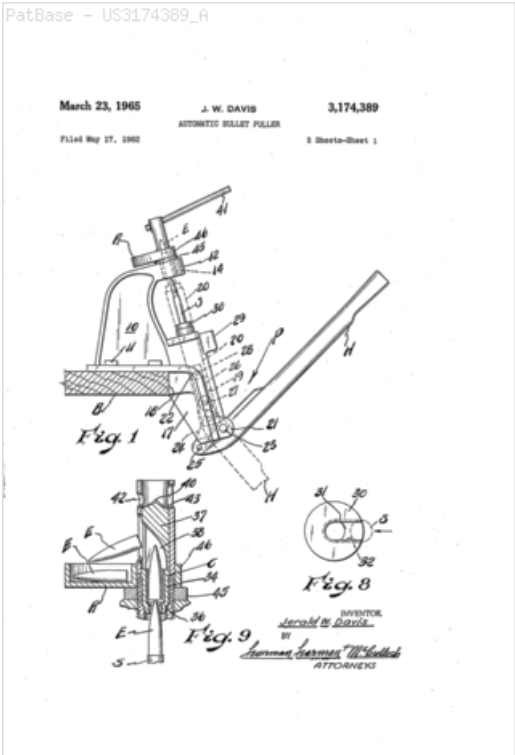
FELMET FREDERICK W

Title: AUTOMATIC BULLET PULLER

Abstract: Source: US3174389A (Claim 1) 1. In a device for removing a bullet from its casing comprising: a frame; a hollow, tubular support housing mounted on said frame having a discharge opening in the side wall thereof; a collet formed with a plurality of resilient fingers mounted in said support and adapted to grip and receive the bullet section of a shell; an ejector plunger in said support housing; a passage in the side wall, all of the plunger in register with the support discharge opening, a laterally projecting tray removably mounted on said support housing directly below the discharge passage and in position to receive the bullet sections when ejected, and means for exerting pressure on said ejector when the device is actuated.

Classifications:

International (IPC 8-9): F42B33/06 (Advanced/Invention);
F42B33/00 (Core/Invention)
International (IPC 1-7): F42B33/06
CPC: F42B33/06
European: F42B33/06
US: 86/23



Family:

Publication number	Publication date	Application number	Application date
US3174389 A	19650323	US19620195592	19620517

Priority:

US19620195592 19620517

Probable Assignee:

DAVIS JERALD W

Assignee(s): (std):

DAVIS JERALD W

Inventor(s): (std):

DAVIS JERALD W

Title: APPARATUS FOR SEPARATING A BULLET FROM A CARTRIDGE CASE

Abstract: Source: US4005630A An apparatus for separating a bullet from a cartridge case, or bullet puller or extractor, comprising a frame, a cartridge hold-down fixture mounted on the frame, and a reciprocating chuck made of a pair of sleeves concentrically and slidably disposed one within the other and operated by a lever means. The inner sleeve has a contractible slitted end forming jaw surfaces engageable over the bullet, and the lever means reciprocating the chuck are arranged to first cause the chuck to grip the bullet by applying a holding force to the jaw surfaces at the end of the inner sleeve by reciprocating the inner sleeve relative to the outer sleeve and engaging the inner sleeve tapered end with a tapered inner surface at the end of the outer sleeve. Subsequent motion of the lever means causes the chuck to be pulled away from the cartridge hold-down, thus separating the bullet from the cartridge case.

Classifications:

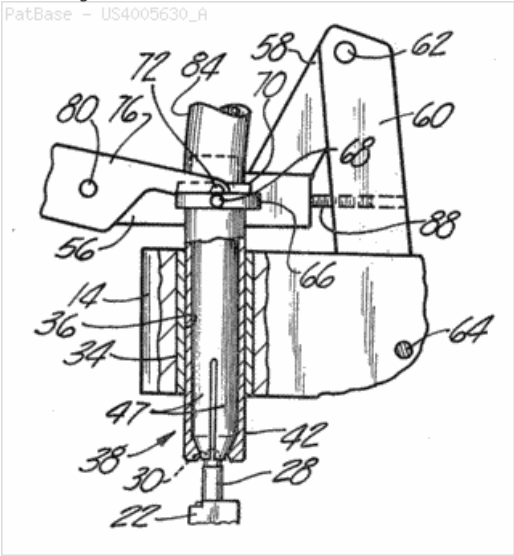
International (IPC 8-9): F42B33/06 (Advanced/Invention);
F42B33/00 (Core/Invention)

International (IPC 1-7): F42B33/06

CPC: F42B33/06 Y10T279/17529

European: F42B33/06

US: 279/51 86/1A 86/49



Family:

Publication number	Publication date	Application number	Application date
US4005630 A	19770201	US19750552741	19750225

Priority:

US19750552741 19750225

Probable Assignee:

ADLER NATHAN A

Assignee(s): (std):

ADLER NATHAN A

Inventor(s): (std):

PATRICK DALE M

Title: Bullet extractor

Abstract: Source: US4028989A A machine for disassembling cartridges is provided wherein the inertia of the bullet pulls the bullet from the cartridge case so that the bullet, cartridge case, and powder can be recovered undamaged.

Classifications:

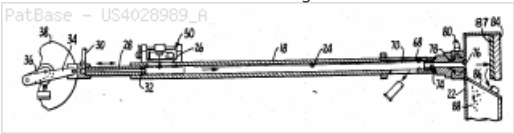
International (IPC 8-9): F42B33/06 (Advanced/Invention);
F42B33/00 (Core/Invention)

International (IPC 1-7): C06B21/00 F42D5/04

CPC: F42B33/06

European: F42B33/06

US: 81/3.05 86/1A 86/23 86/49



Family:

Publication number	Publication date	Application number	Application date
US4028989 A	19770614	US19750598555	19750724

Priority:

US19750598555 19750724

Probable Assignee: VASSALLO ALPHONSE C

Assignee(s): (std): VASSALLO ALPHONSE C

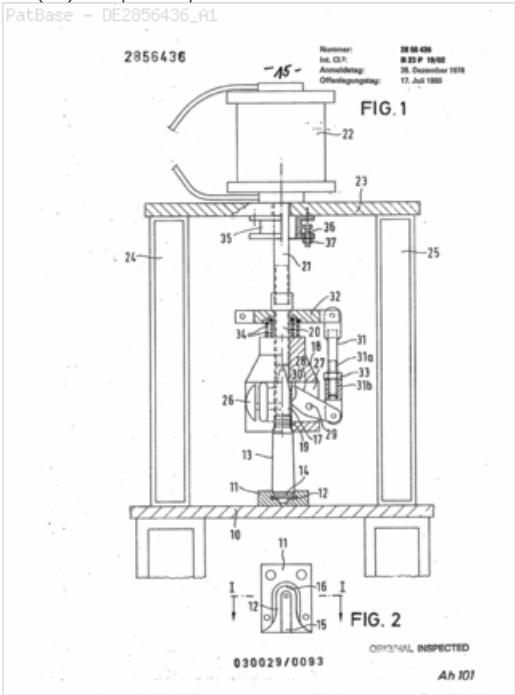
Inventor(s): (std): VASSALLO ALPHONSE C



Title: VORRICHTUNG ZUM HERAUSZIEHEN VON GESCHOSSEN AUS PATRONENHUELSEN TOOL FOR EXTRACTING BULLETS FROM DEFECTIVE CARTRIDGES - HAS HYDRAULIC CYLINDER WHICH ACTUATES THREE RADIALLY ARRANGED LEVERS

Abstract: Source: DE2856436A1 Ansprueche Vorrichtung zum Herausziehen von Geschossen aus Patronen huelSEN, die eine Treibladung enthalten, gekennzeichnet durch eine ortsfeste Halteeinrichtung (11) zum Fest halten der Patronenhuelle (13) und durch einen das Geschoss (17) einspannenden Ausziebkopf (18), der in axialer Richtung zur Patronenhuelle hinbewegbar und von der Huelle wegbewegbar ist. A tool for extracting the bullet from a defective cartridge consists of a base plate (10) with two uprights (24, 25) and a cross-beam (23). A block (4) fixed to the base plate (10) has an open ended 'U'-shaped slot with a groove (12) at the base of the slot, which fits the end (14) of the cartridge (13). A sleeve (18) with three radial slots (27) for levers (28) is fitted over the bullet (17) and abuts against the shoulder of the cartridge. A slotted disc (32) with three connecting rods (31) attached to the levers (28) is pushed downwards by a hydraulic cylinder (22) and compresses the springs (34). This movement rotates the levers (28) which grip the bullet (17) and pull it upwards.

Classifications:
International (IPC 8-9): B23P19/02 F42B33/06 (Advanced/Invention); B23P19/02 F42B33/00 (Core/Invention)
International (IPC 1-7): B23P19/02
CPC: B23P19/027 F42B33/06
European: B23P19/02 B23P19/027 F42B33/06



Family:

Publication number	Publication date	Application number	Application date
DE2856436 A1	19800717	DE19782856436	19781228

Priority:

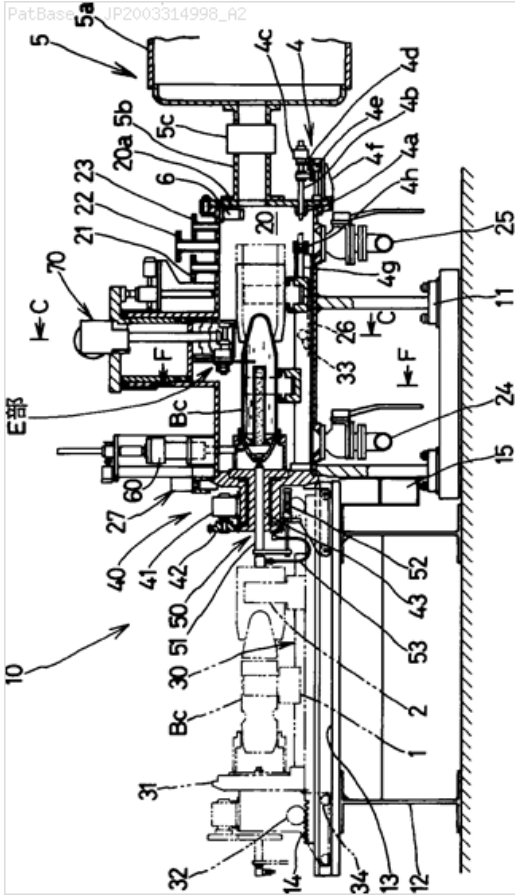
DE19782856436 19781228

Probable Assignee: ACHT ALFRED
Assignee(s): (std): ACHT ALFRED
Inventor(s): (std): ACHT ALFRED

Title: CHEMICAL PROJECTILE DISASSEMBLING EQUIPMENT AND CHEMICAL PROJECTILE DISASSEMBLING METHOD

Abstract: Source: JP2003314998A PROBLEM TO BE SOLVED: To provide a chemical projectile disassembling equipment allowing safe and highly efficient disassembly of chemical projectiles. SOLUTION: The chemical projectile disassembling installation 10 comprises a storage container 20 for storing the chemical projectiles Bc, a forward/ backward movable chemical projectile storage device 30 having a closing cover 31 for closing an access to the storage container 20, for allowing the chemical projectiles Bc to be stacked and stored in the storage container 20, a chemical projectile rotating device 40 and a bursting charge washing device 50 provided on the closing cover 31 for intermittently rotating the chemical projectile Bc around its axial center in the longitudinal direction and for washing a bursting charge in a burster B3, respectively, a warhead cutting device 60 provided in the storage container 20 for cutting a warhead B1, a shell cutting device provided in the storage container 20 and consisting of a mechanical shell cutting device 70 having a rotary saw cutter 78 and a water jet shell cutting device 80 having a water jet nozzle, and a neutralizer injection device 90 for injecting a neutralizer into a cut shell B5.

Classifications:
International (IPC 8-9): F42B33/06 (Advanced/Invention);
F42B33/00 (Core/Invention)
International (IPC 1-7): F42B33/06
CPC: F42B33/062



Title: CONE AND CHARGE EXTRACTOR

Abstract: Source: US2005109199A An extractor and method for safely releasing an explosive and liner from a munition is disclosed. An exemplary extractor includes a support device connected to the casing of the munition and adapted to stabilize the munition as the explosive is released from the dome end of the munition casing and a fluid port adjacent the dome end of the casing and adapted to introduce a high pressure fluid through the dome end to the explosive to separate and release the explosive from the dome end. An exemplary method for releasing an explosive and liner from a dome end of a munition casing includes inserting a fluid port into a dome end of the casing and introducing a fluid through the fluid port to the explosive to release and separate the explosive from the dome end and to shear the mechanical coupling between the liner and the casing.

Classifications:

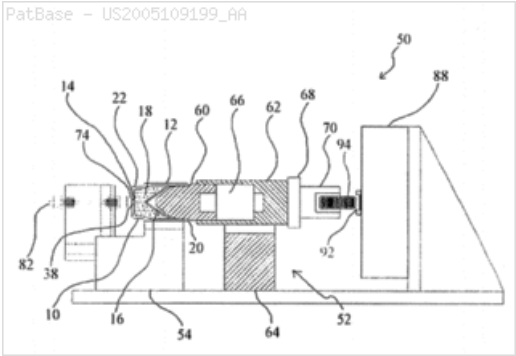
International (IPC 8-9): F42B33/06 (Advanced/Invention);
F42B33/00 (Core/Invention)

International (IPC 1-7): F42B33/06

CPC: Y10T29/53 F42B33/062

European: F42B33/06B

US: 29/700 86/49 86/490 86/50



Family:

Publication number	Publication date	Application number	Application date
US2005109199 AA	20050526	US20030723914	20031126
US6901835 BA	20050607	US20030723914	20031126

Priority:

US20030723914 20031126

Probable Assignee: DAY AND ZIMMERMANN INC

Assignee(s): (std): DAY AND ZIMMERMAN INC ; DAY AND ZIMMERMANN INC

Assignee(s): DAY AND ZIMMERMANN INC ; CITIZENS BANK OF PENNSYLVANIA ; CITIZENS BANK OF PENNSYLVANIA ADMINISTRATIVE AGENT ; CITIZENS BANK OF PENNSYLVANIA ADMINISTRATIVE AGENT FOR CERTAIN LENDERS AS

Inventor(s): (std): CHAMLEE WILLIAM D

Inventor(s): CHAMLEE WILLIAM

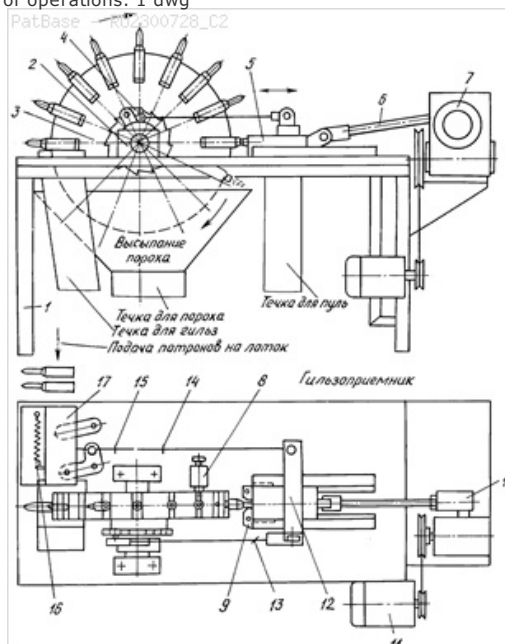
Agent(s): CAESAR RIVISE BERNSTEIN COHEN AND POKOTILOW LTD

Title: METHOD FOR DRESSING OF FIXED CARTRIDGE

Abstract: Source: RU2300728C FIELD: salvaging of ammunition. SUBSTANCE: the method consists in successive execution of operations in loading of cartridges, extraction of the bullet from the cartridge case, pouring out of powder and removing of the cartridge case. The novelty is in the fact that all operations are performed in the vertical plane of the disk rotating in the horizontal axis in a cyclic manner. The cartridges are loaded in the disk horizontally in the slot by the bullet from the disk center, further at rotation of the disk in the vertical plane in the next horizontal position of the disk slot the bullet is taken out from in the disk with the neck down, the powder is poured out, which then is washed off so as to enhance the explosion-fire safety. EFFECT: simplified procedure, enhanced reliability and safety of operations. 1 dwg

Classifications:

International (IPC 8-9): F42B33/06 (Advanced/Invention);
F42B33/00 (Core/Invention)



Family:

Publication number	Publication date	Application number	Application date
RU2005118183 A	20061227	RU20050118183	20050615
RU2300728 C2	20070610	RU20050118183	20050615

Priority:

RU20050118183 20050615

Probable Assignee: OOO GEFEST M

Assignee(s): (std): LIABILITY COMPANY LTD ; OOO GEFEST M

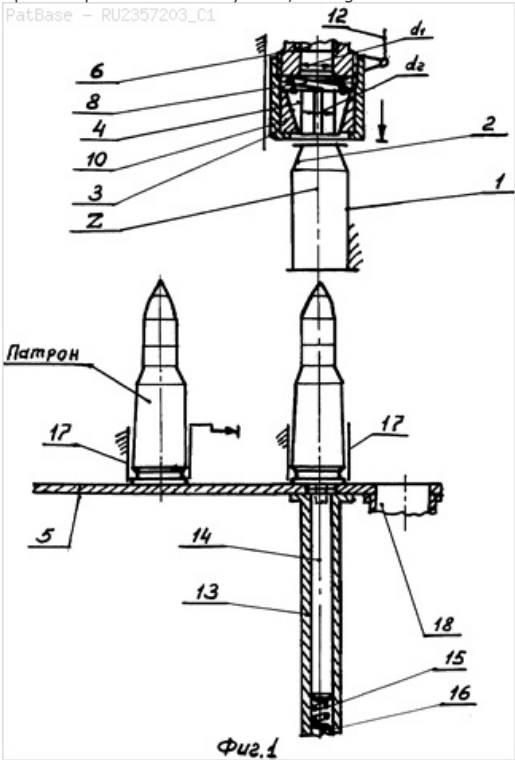
Assignee(s): OBSHCHESTVO S OGRANICHENNOJ OTVETSTVENNOST'JU GEFE ; OBSHCHESTVO S OGRANICHENNOJ OTVETSTVENNOST'JU GEFEST M ; OBSHCHESTVO S OGRANICHENNOJ OTVETSTVENNOST'JU GEFE M

Title: METHOD OF SERVICE CARTRIDGE DISASSEMBLY FROM SMALL ARMS, AND DEVICE FOR METHOD IMPLEMENTATION

Abstract: Source: RU2357203C FIELD: weapons. SUBSTANCE: invention concerns technology and devices for service cartridge disassembly from various small arms types, particularly of 14.5 and 12.7 mm calibres. Cartridge disassembly by axial pulling of bullet from shell and further bullet cleaning from gunpowder is performed in automatic mode and involves automatic removal of bullet from grips after it is pulled out of shell by axial force applied to rear bullet end by top of next disassembled cartridge positioned in shell holder, while next cartridge bullet is gripped by split lock during previous bullet extraction to allow bullet passage by that oncoming movement of split lock with shell holder towards bullet top, and power closure fixation of guide bullet part up to shell neck to allow bullet extraction from shell by reverse relative movement of grips and shell holder. Then released shell is placed bottoms up into guide lines overturning it neck down, gunpowder is poured out of the shell, and gunpowder and shell are routed to respective processing locations. EFFECT: simple and reliable method and device of service cartridge disassembly for small arms, improved production safety. 9 cl, 7 dwg

Classifications:

International (IPC 8-9): F42B33/06 (Advanced/Invention);
F42B33/00 (Core/Invention)



Family:

Publication number	Publication date	Application number	Application date
RU2007133634 A	20090320	RU20070133634	20070907
RU2357203 C1	20090527	RU20070133634	20070907

Priority:

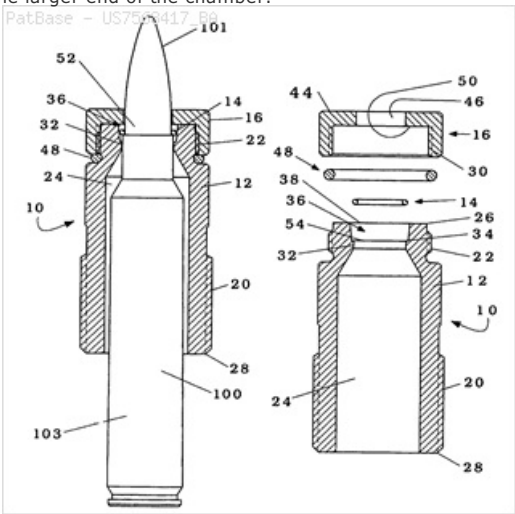
RU20070133634 20070907

Probable Assignee:	ZAKHAROV VLADIMIR VASIL EVICH
Assignee(s): (std):	ZAKHAROV VLADIMIR VASIL EVICH
Inventor(s): (std):	ZAKHAROV VLADIMIR VASIL EVICH
Inventor(s):	ZAKHAROV VLADIMIR VASIL'EVICH

Title: DEVICE AND METHOD FOR PULLING BULLETS FROM CARTRIDGES

Abstract: Source: US7568417B A device for use with an ammunition reloading press, the device uses a "C" shaped split ring that is captured within a chamber with a slightly tapered frustaconical wall into the smaller end of which the bullet portion of an ammunition round can be inserted to a point where the bullet enters the C ring with a friction fit and subsequent withdrawal of the ammunition cartridge by operation of the press draws the ring into the increasingly narrow wall, decreasing the diameter of the ring and forcing a tighter grip on the bullet, which is then separated from the cartridge by further withdrawal and is removable from the device through an opening at the larger end of the chamber.

Classifications:
International (IPC 8-9): F42B33/06 (Advanced/Invention);
F42B33/00 (Core/Invention)
CPC: F42B33/06
European: F42B33/06
US: 86/49



Family:

Publication number	Publication date	Application number	Application date
US7568417 BA	20090804	US20080214849	20080623

Priority:
US20080214849 20080623

Probable Assignee: LEE RICHARD J
Assignee(s): (std): LEE RICHARD J
Inventor(s): (std): LEE RICHARD J
Agent(s): PHILIP J

Title: METHOD FOR DISMANTLING SMALL ARMS CARTRIDGES AND DEVICE FOR IMPLEMENTING SAME

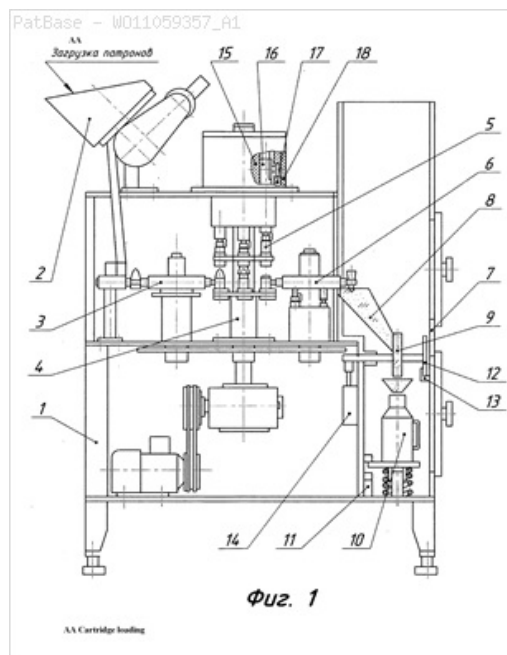
Abstract: The group of inventions relates to the field of small arms cartridge (SAC) recycling and in particular to technology for dismantling cartridges into their component parts, including the case, the bullet and the gunpowder, in an automated fashion with possible reuse of the separate parts of the cartridge and processing of the other parts to give materials for industrial use. The essence of the invention consists in that: the cartridges are disposed in positions of continuously rotating transport rotors and a process rotor with actuating mechanisms and tool units spaced evenly around the circumference; the bullet is extracted from the case in two stages, with the bullet being extracted in the first stage to an extent which enables the passage of air and eliminates gunpowder dispersal, and, in the second stage, the bullet being extracted fully from the case, being released from the clamps and being forcibly ejected into a receiving tray; the case is transported to the area of an armoured capsule where the gunpowder is released from said case and then said case is discharged into a tray; the gunpowder is transferred to a weighable vessel. When using a two-chamber armoured capsule, the gunpowder is poured alternately into a free vessel of one of the chambers, said vessel being prevented from opening. The technical result achieved by the invention consists in providing fire and explosion safety conditions in a continuous operating mode; achieving high productivity of the SAC dismantling process; increasing the reliability of the equipment during use; providing a simple design.

Classifications:

International (IPC 8-9): F42B33/06 (Advanced/Invention)

CPC: F42B33/06

European: F42B33/06



Family:

Publication number	Publication date	Application number	Application date
CN102549372 A	20120704	CN201080033451	20100119
CN102549372 B	20140903	CN201080033451	20100119
RU2410637 C1	20110127	RU20090141286	20091110
WO11059357 A1	20110519	WO2010RU00017	20100119

Priority:

RU20090141286 20091110 WO2010RU00017 20100119

Probable Assignee: KB AVTOMATICHESKIKH LINIJ IM L VA NIKOLAEVICH KOSHKINA OAO KBAL IM L N KOSHKINA AOOT

Assignee(s): (std): LEIF NICHOLAVIQI KESHIKING AUTOMATIC ASSEMBLY LINE DESIGN CO LTD ; OTKRYTOE AKTSIONERNOE OBSHCHESTVO K BURO AVTOMATICHESKIKH LINIJ IM LVA NIKOLAEVICH KOSHKINA ; KB AVTOMATICHESKIKH LINIJ IM L VA NIKOLAEVICH KOSHKINA OAO KBAL IM L N KOSHKINA AOOT

Assignee(s): LEIF NICHOLAVIQI KESHIKING AUTOMATIC ASSEMBLY LINE DESIGN CO ; OTKRYTOE AKTSIONERNOE OBSHCHESTVO KONSTRUKTORSKOE BURO AVTOMATICHESKIKH LINIJ IMENI LVA NIKOLAEVICH KOSHKINA ; OTKRYTOE AKTSIONERNOE OBSHCHESTVO KONSTRUKTORSKOE BURO AVTOMATICHESKIKH LINIJ IMENI LVA NIKOLAEVICH KOSHKINA ; OTKRYTOE AKTSIONERNOE OBSHCHESTVO KONSTRUKTORSKOE BURO AVTOMATICHESKIKH LINIJ IMENI LVA NIKOLAEVICH KOSHKINA OAO KBAL IM L N KOSHKINA ; OTKRYTOE AKTSIONERNOE OBSHCHESTVO KONSTRUKTORSKOE BURO AVTOMATICHESKIKH LINIJ IMENI LVA NIKOLAEVICH KOSHKINA OAO KBAL IM LN KOSHKINA

Inventor(s): (std): EVICH KOMAROV GENADIY VASIL ; KOMAROV GENADIY VASIL EVICH ; MASLYAEV NIKOLAI MIHAILOVICH ; KOMAROV GENADIY VASIL EVICH ; MASLYAEV NIKOLAJ MIHAILOVICH ; SAZONOV YRY SERGEEVICH ; OVCHARENKO NIKOLAI PETROVICH ; OVCHARENKO NIKOLAJ PETROVICH ; SAZONOV JURIJ SERGEEVICH ; MIHAILOVICH MASLYAEV NIKOLAI ; SERGEEVICH SAZONOV YRY ; PETROVICH OVCHARENKO NIKOLAI

Inventor(s): KOMAROV GENADIY VASIL'EVICH

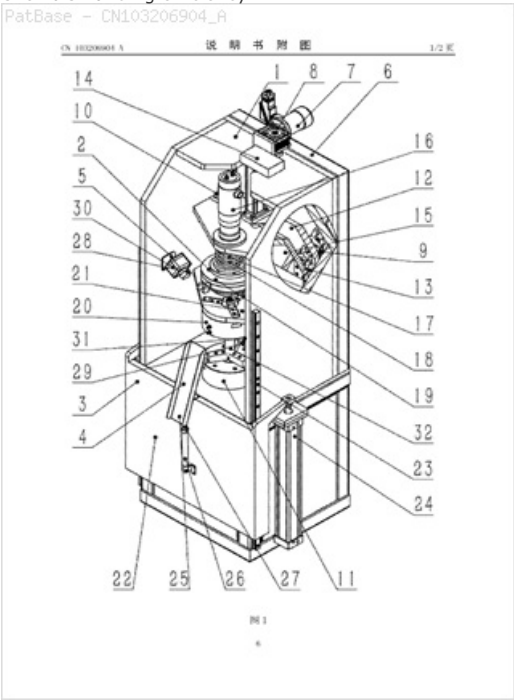
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: SHELL DISMANTLING MACHINE SPECIAL FOR AERIAL DISCARDED SHELLS

Abstract: Source: CN103206904A The invention discloses a shell dismantling machine special for aerial discarded shells in the technical field of firers. The shell dismantling machine is composed of a machine frame and transmission assembly, a rotary pulling assembly, an explosive-proof assembly, a material outlet assembly and a state monitoring assembly. The machine frame and transmission assembly and the rotary pulling assembly are configured together. A framework, a reducing motor, a transmission lead screw, a linear guide rail, a guide rail slider and a machine frame pneumatic chunk are arranged on the machine frame and transmission assembly. The rotary pulling assembly is provided with a rotary pulling backplate, a rotary pulling upper pneumatic chunk, a rotary pulling lower pneumatic chunk and a pressure head support plate. The state monitoring assembly is provided with a state alarming and controlling device and a state recognizing and controlling device. By means of the shell dismantling machine, the rotary pulling assembly is driven to move up and down by linkage of the reducing motor and the transmission lead screw, then a shell fuse can be put out in a rotating mode, and a bullet can be pulled out. The state alarming and controlling device and the state recognizing and controlling device can be used for controlling the shell dismantling temperature and the work station state, so that mechanical and automatic shell dismantling can be achieved. The shell dismantling machine has the advantages of being simple in structure, convenient to operate, reliable to control, safe in operation, low in labor intensity and high in shell dismantling efficiency.

Classifications:

International (IPC 8-9): F42D5/04 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN103206904 A	20130717	CN201210386223	20121012
CN103206904 B	20150708	CN201210386223	20121012

Priority:

CN201210386223 20121012

Probable Assignee: HUBEI AEROSPACE CHEMICAL TECHNOLOGY RES INST

Assignee(s): (std): HUBEI AEROSPACE CHEMICAL TECHNOLOGY RES INST

Assignee(s): HUBEI AEROSPACE CHEMICAL TECHNOLOGY RESEARCH INST

Inventor(s): (std): LI CONGYUN ; LI WEI ; LU ZHIMENG ; QIAN RUI ; SUN TAO ; WANG QINGSONG

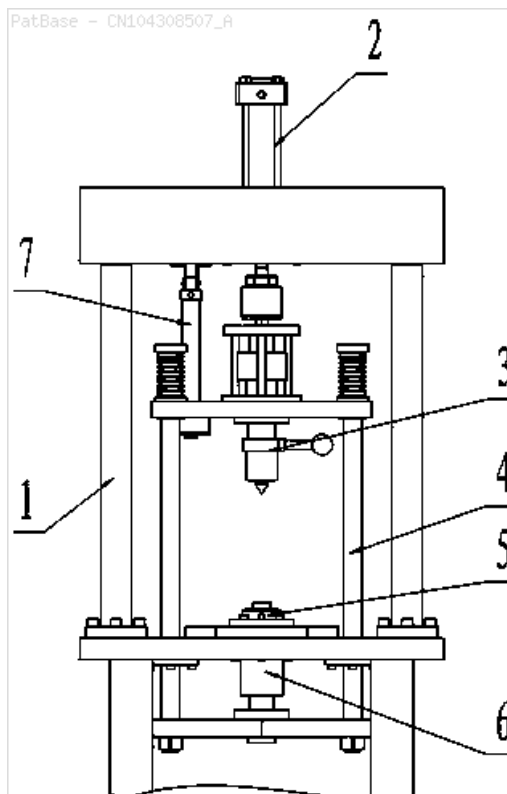
Title: PRESS FITTING DEVICE FOR TIMING GEAR OF ENGINE BALANCE SHAFT

Abstract: Source: CN104308507A The invention discloses a press fitting device for a timing gear of an engine balance shaft. The press fitting device comprises a main body framework, a press fitting oil cylinder, a press fitting execution mechanism, a following mechanism, a gear positioning mechanism, a balance shaft positioning mechanism and a PLC (Programmable Logic Controller) control system, wherein the main body framework consists of an upper cover plate, an upright post, a base plate and a bracket; the press fitting oil cylinder is fixed on the upper cover plate of the main body framework; a telescopic rod of the press fitting oil cylinder and the press fitting execution mechanism are assembled; the press fitting execution mechanism and the upper end of the following mechanism are fixedly assembled; the lower end of the following mechanism and the balance shaft positioning mechanism are assembled; the balance shaft positioning mechanism and the gear positioning mechanism are respectively matched with the base plate of the main body framework. The press fitting device disclosed by the invention has the characteristics of simple structure, high automatic degree and high generality; the requirement on timing angle when the balance shaft and the timing gear are assembled is met; besides, the working efficiency is improved, and the production cost is reduced.

Classifications:

International (IPC 8-9): B23P19/027 (Advanced/Invention)

CPC: B23P19/027



Family:

Publication number	Publication date	Application number	Application date
CN104308507 A	20150128	CN201410435122	20140830
CN104308507 B	20170104	CN201410435122	20140830

Priority:

CN201410435122 20140830

Probable Assignee: GREAT WALL MOTOR CO LTD

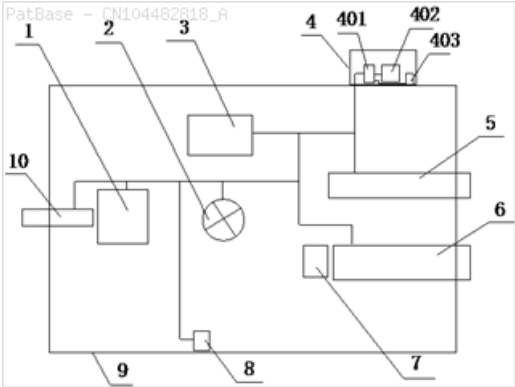
Assignee(s): (std): GREAT WALL MOTOR CO LTD ; GREAT WALL MOTORS CO LTD

Inventor(s): (std): CHEN XIAOPING ; LIU WEIGUANG ; YANG JIANGYING ; ZHANG HEMIN

Title: MEDIUM-CALIBER CANNONBALL AUTOMATIC DISASSEMBLY PRODUCTION LINE

Abstract: Source: CN104482818A The invention discloses a medium-caliber cannonball automatic disassembly production line. The medium-caliber cannonball automatic disassembly production line comprises a conveying system, a carrying mechanical arm, a full-automatic fuse centerfire screwing-off machine, a full-automatic cannonball pulling machine and an automatic control system. The conveying system comprises a cannonball conveyor belt, a cartridge case conveyor belt and a shot conveyor belt. The full-automatic fuse centerfire screwing-off machine is connected with the full-automatic cannonball pulling machine through the carrying mechanical arm. The cannonball conveyor belt is connected with the full-automatic fuse centerfire screwing-off machine. The carrying mechanical arm, the full-automatic fuse centerfire screwing-off machine, the full-automatic cannonball pulling machine, the cannonball conveyor belt, the cartridge case conveyor belt and the shot conveyor belt are connected with the control system through data lines. The production line can achieve full-automatic operation of the whole process of disassembly of waste medium-caliber cannonballs, effectively guarantee the personal safety of workers for disassembly, and is high in disassembly efficiency and low in labor intensity.

Classifications:
International (IPC 8-9): F42D5/04 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN104482818 A	20150401	CN201410678581	20141124
CN104482818 B	20160629	CN201410678581	20141124

Priority:

CN201410678581 20141124

Probable Assignee: HENAN ZHONGNAN IND CO LTD

Assignee(s): (std): HENAN ZHONGNAN IND CO LTD

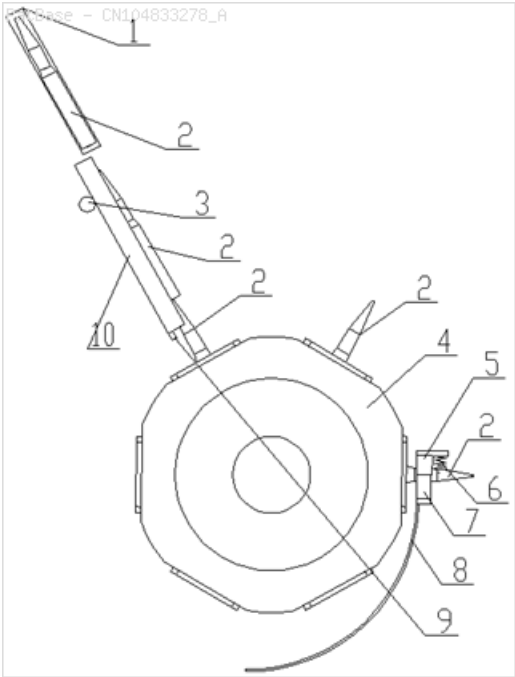
Assignee(s): HENAN ZHONGNAN INDUSTRIAL CO ; HENAN ZHONGNAN INDUSTRIAL CO LTD

Inventor(s): (std): CHU XUTAO ; MA JUNBIN ; NING JUNLEI ; QIU LIN ; YANG YAPU ; YAO LEI

Title: BULLET AUTOMATIC DISMANTLING PRODUCTION LINE

Abstract: Source: CN104833278A The invention discloses a bullet automatic dismantling production line. The bullet automatic dismantling production line comprises a bullet automatic shorting feeding mechanism, a separating mechanism of warhead and shell case, an ammunition recycle mechanism and a control unit. The bullet automatic shorting feeding mechanism, the separating mechanism of warhead and shell case and the ammunition recycle mechanism are connected in sequence, and the bullet automatic shorting feeding mechanism, the separating mechanism of warhead and shell case are in signal connection with the control unit respectively. According to the bullet automatic dismantling production line, the warhead separating efficiency is high, unmanned operation is achieved, the disaggregated cost is extremely low, the warhead, the shell case and the ammunition can be classified, personal injury is avoided more importantly, and the bullet cannot flow into the market.

Classifications:
International (IPC 8-9): F42B33/06 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN104833278 A	20150812	CN201510265381	20150522

Priority:

CN201510265381 20150522

Probable Assignee: HENAN ZHONGNAN IND CO LTD

Assignee(s): (std): HENAN ZHONGNAN IND CO LTD

Assignee(s): HENAN ZHONGNAN INDUSTRIAL CO ; HENAN ZHONGNAN INDUSTRIAL CO LTD

Inventor(s): (std): E DINGTAO ; LI MINGHUI ; LI SHICHAO ; LIU JIN ; MU YINGZHOU ; WEI CHAOYONG ; YAO LEI ; ZHAO XUAN ; ZHOU FEI

Title: METHOD FOR REMOVAL OF BULLETS OF SMALL ARMS CARTRIDGES

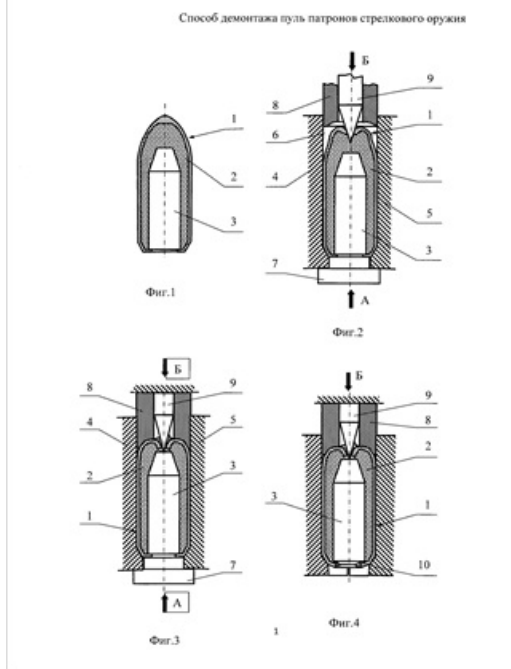
Abstract: Source: RU2587698C FIELD: weapons and ammunition; processing and recycling of wastes. SUBSTANCE: invention relates to recovery of firearm rounds. Method of bullet dismantling includes its installation in matrix loaded with axial force on punch with application of counter pressure to opposite side of bullet by means of stop, enabling movement of bullet core towards bottom part and forming hole in it, pushing core through above hole with its subsequent removal from matrix. Bullet is installed in matrix to provide fixation in axial direction on matrix cone-shaped annular projection. Male die is used consisting of outer cylindrical casing and piercing male die. Prior to bullet loading with axial force hole is made in bullet nose using piercing male die. Loading of axial force from nose side is performed by piercing male die with cylindrical cartridge by application of axial force to bullet shell and its lead jacket with provision eversion of bullet shell inside, then, stop and continue to apply axial force to bullet shell and its lead jacket with provision of shell eversion and core removal by pushing it from shell. EFFECT: combined removal of core, lead jacket and shell in one working cycle. 5 cl, 8 dwg

Classifications:

International (IPC 8-9): F42B33/06 (Advanced/Invention)

CPC: F42B33/06

PatBase - RU2587698_C1

**Family:**

Publication number	Publication date	Application number	Application date
RU2587698 C1	20160620	RU20140149474	20141208

Priority:

RU20140149474 20141208

Probable Assignee: OBSHSHESTVO S OGRANICHENNOJ OTVETSTVENNOSTYU P STR KOMPANIYA KHIPROMPROEKT

Assignee(s): (std): OBSHSHESTVO S OGRANICHENNOJ OTVETSTVENNOSTYU P STR KOMPANIYA KHIPROMPROEKT

Assignee(s): OBSHSHESTVO S OGRANICHENNOJ OTVETSTVENNOSTYU PROEKTNO STROITELNAYA KOMPANIYA KHIPROMPROEKT ; LIABILITY CO PROJECT CONSTRUCTION CO HIMPROMPROEKT LTD

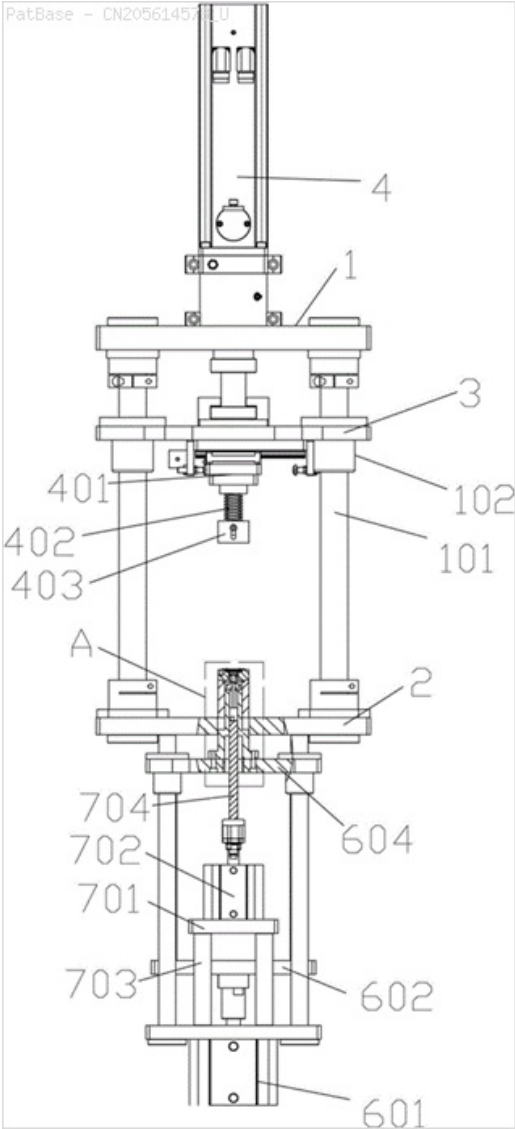
Inventor(s): (std): AFANASEV ALEKSEJ GAVRILOVICH ; MATVEEV ANATOLIY SERGEEVICH ; SOSEDOV SERGEJ ALEKSANDROVICH

Title: BEARING PRESS FIT DEVICE CONSTRUCTS

Abstract: Source: CN205614578U The utility model relates to a bearing press fit device constructs, including middle device panel, respectively set up in middle device panel go up match the pressure equipment module used and the location lower extreme and corresponding bear the weight of the module and set up in on the middle device panel and with the pressure equipment module is born the product that the module homogeneous phase is corresponding with the location and is born the module. The utility model discloses a bearing press fit device constructs's beneficial effect lies in: it sets up bearing position subassembly, bearing supporting component and is used for guaranteeing that the bearing can impress smoothly, and accuracy when improving the bearing pressure equipment simultaneously improves production efficiency and reduces the manufacturing cost of enterprise simultaneously.

Classifications:

International (IPC 8-9): B25B27/06 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN105773520 A	20160720	CN201610195734	20160331
CN205614578 U	20161005	CN201620261073U	20160331

Priority:

CN201610195734 20160331 CN201620261073U 20160331

Probable Assignee: YUANTAI AUTOMATION TECH SUZHOU CO LTD

Assignee(s): (std): JIANGSU YUAN TECH INTELLIGENT TECH CO LTD ; YUANTAI AUTOMATION TECH SUZHOU CO LTD

Assignee(s): YUANTAI AUTOMATION TECHNOLOGY SUZHOU CO ; JIANGSU YUAN TECH INTELLIGENT TECHNOLOGY CO ; THAI INTELLIGENCE TECHNOLOGY JIANGSU CO LTD ; AUTOMATION TECHNOLOGY CO LTD SUZHOU YUAN TAI

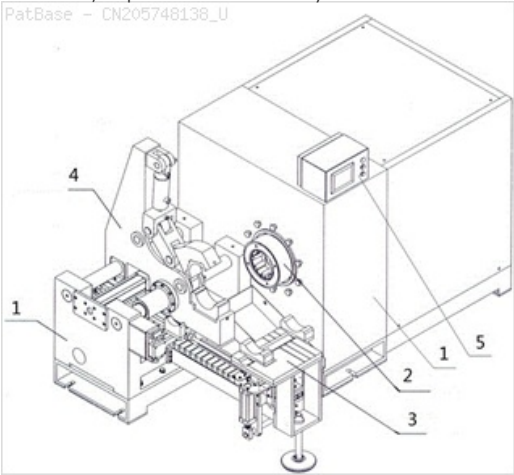
Inventor(s): (std): HE JINGREN ; SUN JING ; WANG YONGSHENG ; XIA XIANCAI

Title: ARRANGE LOADER AT BOTTOM OF SHELL

Abstract: Source: CN205748138U The utility model discloses an arrange loader at bottom of shell relates to ammunition maintenance technical field, which comprises a frame, send and play the mechanism, centre gripping feeding mechanism, loader constructs and the control box, send bullet mechanism to include the auxiliary stand, the shell layer board, elevating gear and horizontal shift device, the auxiliary stand is established in frame one side, and link to each other with the frame through the guide rail, elevating gear establishes in shell layer board below, the horizontal shift device is established in the frame, the shell layer board riseses through elevating gear and moves to shell centre gripping station along the below guide rail and take one's place, centre gripping feeding mechanism through shell centre gripping station firmly and with the loading and unloading station coordinates the shell centre gripping, loader structure through the loading and unloading station loads and unloads end row, send the action that plays mechanism, centre gripping feeding mechanism and loader and construct through the control box coordination, realize the auto -control handling who arranges at the bottom of the shell. The utility model has the advantages of compact structure, the light convenience of operation, arrange the work efficiency who loads and unloads at the bottom of can improving the shell, reduce intensity of labour, improve factor of safety.

Classifications:

International (IPC 8-9): F42B33/00 F42B33/06 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN105806163 A	20160727	CN201610357755	20160526
CN205748138 U	20161130	CN201620491842U	20160526

Priority:

CN201610357755 20160526 CN201620491842U 20160526

Probable Assignee: NO 63908 TROOPS PLA

Assignee(s): (std): NO 63908 TROOPS PLA ; UNIT 63908 OF PLA

Assignee(s): 63 ; NO63908 TROOPS PLA

Inventor(s): (std): BAI YUFENG ; DU FENGPO ; GUO HAOLIANG ; JIANG ZHIBAO ; LI LIANGCHUN ; LYU XIAOMING ; NIU ZHENGYI ; SONG GUIFEI ; XIA FUJUN

This family has been merged with family 62946432. Please click [here](#) to search for this family.