

1. BOLTON GUN WORKS

I. Patents
1822, 1891, 1894
3 items

Two from

Whereas, William Barker, a citizen of the United States, hath invented a new and useful improvement in the Water Jew-iron, and whereas by Letters Patent, issued under the great Seal of the United States, and bearing date the tenth day of November 1818, the full and exclusive right of making, using, and vending to others to be used, the said improvement, was granted to the said Will^m Barker his heirs or assigns for and during the term of fourteen years from the date of the said Letters Patent.

And whereas the said William Barker of Kingston Luzerne County & State of Pennsylvania for himself his heirs & assigns did on the fifteenth day of November 1821, assign and transfer unto William Weston of Waterford Susquehanna County and State aforesaid his heirs or assigns the full and exclusive right of the said improvement within the limits of the State of Pennsylvania, And whereas the said William Weston did on the 8th day of December 1821, assign and transfer unto John Giltner of Allentown Lehigh County & State aforesaid the full and exclusive right of the said improvement within the limits of the County of Northampton, (State aforesaid). And whereas the said John Giltner did on the fifth day of February 1822, assign and transfer unto John McKinlay of Allentown his heirs or assigns, his entire right and interest in the said County of the said improvement. Now know all men by these presents that I the said John McKinlay for and in consideration of the sum of One hundred Dollars to me when paid by Matthew Henry & William Henry of Bushkill in said County, hath granted bargained assigned and set over unto the said Matthew and William Henry their heirs or assigns, the full and exclusive right of making, using and vending to others to be used the said improvement within the limits and boundaries of the Townships of Chestnut Hill, East ^{2^d} ~~Worm~~ ^{Worm}, Hamilton, Laurens, ^{2^d} ~~Boone~~ ^{Boone}, Ross, ^{2^d} ~~Stroud~~ ^{Stroud} and Smithfield, also the right of using the said improvement in David Humbachs Forge, to have and to hold the right of the said improvement for and during the term of fourteen years from the date of the said Letters Patent. And I do hereby constitute & appoint the said Matthew & William Henry my assigns of the said improvement in said limits; And I do hereby authorize the said Matthew & William Henry their heirs or assigns to institute any suit or suits against any person or persons who shall make or use the said improvement within the said limits and to receive any penalty or penalties for so using the said improvement which I myself might or could receive.

In testimony whereof I have hereunto set my hand and seal this 15th March 1822

John Linn
Braz Stenger

John W. Birley

Northampton County Pa.

It is remembered that on this fifteenth day of March 1822 before me the subscriber one of the Justices of the peace in & for said County, personally appeared the above named John McKinlay and in due form of law acknowledged the above written instrument to be as and for his act and deed and desired that the same might be recorded as such according to law. Whereunto I have set my hand & seal the day & year first above written.

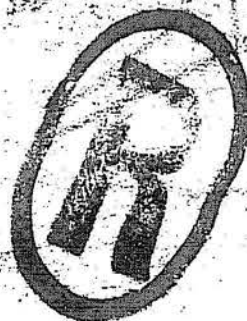
Isaac Stenger

Charles

Registered

PATENTS

Commercial Papers
from



Granville Henry Esq.

Boulton Gun Works.

Nazareth, Pa.

Northampton

U.S. AMERICA

95376





PATENT.

No. 20,980.

18 91.

18 91.

No. 20,980.

VICTORIA,



BY THE GRACE OF GOD,

Of the United Kingdom of Great Britain and Ireland, Queen, Defender of the Faith: To all to whom these presents shall come, Greeting:

WHEREAS *George Hughes of 38 Chancery Lane London in the County of Middlesex Patent Agent* hath represented unto us that he is in possession of an invention for "*an improved drop down gun.*"

that the said invention has been communicated to him from abroad, by *Granville Henry of Nazareth Pennsylvania U. S. America Gun Manufacturer*

and that the same is not in use by any other person, to the best of his knowledge and belief:

AND WHEREAS the said declarant hath humbly prayed that we would be graciously pleased to grant unto him (hereinafter, together with his executors, administrators, and assigns, or any of them, referred to as the said patentee) our Royal Letters Patent for the sole use and advantage of the said invention:

AND WHEREAS the said declarant hath by and in his complete specification particularly described the nature of the said invention:

AND WHEREAS we, being willing to encourage all inventions which may be for the public good, are graciously pleased to condescend to his request:

KNOW YE, THEREFORE, that We, of our especial grace, certain knowledge, and mere motion, do by these presents, for us, our heirs and successors, give and grant unto the said patentee our especial license, full power, sole privilege, and authority that the said patentee, by himself, his agents, or licensees, and no others, may at all times hereafter, during the term of years herein mentioned, make, use, exercise, and vend the said invention within our United Kingdom of Great Britain and Ireland and Isle of Man in such manner as to him or them may seem meet, and that the said patentee shall have and enjoy the whole profit and advantage from time to time accruing by reason of the said invention during the term of fourteen years from the date hereunder written of these presents: AND to the end that the said patentee may have and enjoy the sole use and exercise, and the full benefit of the said invention, We do by these presents, for us, our heirs and successors, strictly command all our subjects whatsoever, within our United Kingdom of Great Britain and Ireland and the Isle of Man, that they do not at any time during the continuance of the said term of fourteen years, either directly or indirectly, make use of, or put in practice, the said invention, or any part of

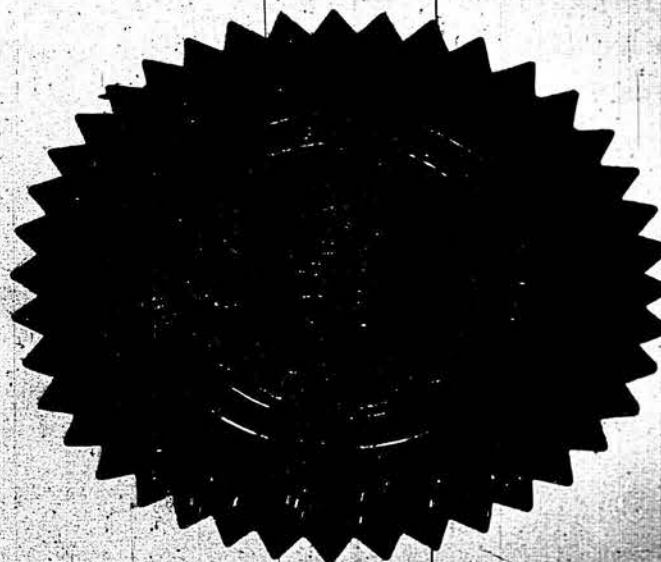
the same, nor in anywise imitate the same; nor make, or cause to be made, any addition thereto or subtraction therefrom, whereby to pretend themselves the inventors thereof, without the consent, license, or agreement of the said patentee in writing under his hand and seal, on pain of incurring such penalties as may be justly inflicted on such offenders for their contempt of this our Royal command, and of being answerable to the patentee according to law for his damages thereby occasioned:

PROVIDED that these our letters patent are on this condition: that if at any time during the said term it be made to appear to us, our heirs or successors, or any six or more of our Privy Council, that this our grant is contrary to law, or prejudicial or inconvenient to our subjects in general, or that the said invention is not a new invention as to the public use and exercise thereof within our United Kingdom of Great Britain and Ireland and Isle of Man, or that the said patentee is not the first and true inventor thereof within this realm as aforesaid, these our letters patent shall forthwith determine, and be void to all intents and purposes, notwithstanding anything hereinbefore contained: PROVIDED ALSO, that if the said patentee shall not pay all fees by law required to be paid in respect of the grant of these letters patent, or in respect of any matter relating thereto, at the time or times and in manner for the time being by law provided; and also if the said patentee shall not supply, or cause to be supplied, for our service all such articles of the said invention as may be required by the officers or commissioners administering any department of our service, in such manner, at such times, and at and upon such reasonable prices and terms as shall be settled in manner for the time being by law provided, then, and in any of the said cases, these our letters patent, and all privileges and advantages whatever hereby granted, shall determine and become void, notwithstanding anything hereinbefore contained: PROVIDED ALSO, that nothing herein contained shall prevent the granting of licenses in such manner and for such considerations as they may by law be granted: AND lastly, we do by these presents, for us, our heirs and successors, grant unto the said patentee that these our letters patent shall be construed in the most beneficial sense for the advantage of the said patentee.

IN WITNESS whereof we have caused these our letters to be made patent this *first*
day of *December* one thousand eight hundred and *ninety-one*,
and to be sealed as of the *first day* of *December* one thousand
eight hundred and *ninety-one*.

H. READER LACK,

Comptroller-General of Patents.



P A T E N T.

No. 20,980 ^{91.}

George Hughes

Granville Henry

NOTE.—The continuance of this Patent is conditional on the payment (by way of the prescribed Patent Form J) of the following fees:—

				£	s.	d.
Before the expiration of the 4th year from the date of the patent } and in respect of the 5th year }				5	0	0
"	"	5th	"	6	0	0
"	"	6th	"	7	0	0
"	"	7th	"	8	0	0
"	"	8th	"	9	0	0
"	"	9th	"	10	0	0
"	"	10th	"	11	0	0
"	"	11th	"	12	0	0
"	"	12th	"	13	0	0
"	"	13th	"	14	0	0

As the payment of these renewal fees is regulated by Act of Parliament, a fee cannot be received a *single day* after it is due; but if by accident, mistake, or inadvertence the payment has been omitted, application may be made to the Comptroller, on Patent Form "K," for an extension of time to make such payment, specifying the reason for such omission, and for this extension the fees payable are £1 for one month, £3 for two months, or £5 for three months, but no further extension can be allowed beyond three months.

* Patent Form J may be purchased in London at the Inland Revenue Office, Royal Courts of Justice (Room No. 6), or can be obtained at a few days' notice through any Money Order Office in the United Kingdom upon prepayment of the value of the Stamp.

U.S. PATENT

OF

G. HENRY

FROM

HOWSON AND HOWSON

SOLICITORS OF PATENTS

AND

COUNSELLORS AT LAW

119 SOUTH FOURTH ST.
PHILADELPHIA

POTTER BUILDING, 38 PARK ROW
NEW YORK

928 F. ST., WASHINGTON, D. C.

UNITED STATES AMERICA.



No.

461,679.

To all to whom these presents shall come:

Whereas Granville Henry
of Nazareth, Pennsylvania

has presented to the Commissioner of Patents a petition praying
for the grant of Letters Patent for an alleged new and useful improvement in

Breakdown Guns

a description of which invention is contained in the Specification of which
a copy is hereunto annexed and made a part hereof and has complied
with the various requirements of Law in such cases made and provided; and

Whereas upon due examination made the said Claimant is adjudged
to be justly entitled to a Patent under the Law.

Now therefore these Letters Patent are to grant unto the said

Granville Henry his heirs or assigns
for the term of Seventeen years from the twentieth day of
October one thousand eight hundred and ninety-one
the exclusive right to make use and vend the said invention throughout the
United States and the Territories thereof.

I have hereunto set my
hand and caused the seal of the Patent Office
to be hereunto affixed at the City of Washington
this twentieth day of October
year of our Lord one thousand eight hun-
dred and ninety-one and of
the Independence of the United States
of America the one hundred and sixteenth.

Countersigned: W. E. Smith Assistant Secretary of the Interior.
Commissioner of Patents.

(No Model.)

2 Sheets—Sheet 2.

G. HENRY.
BREAKDOWN GUN.

No. 461,679.

Patented Oct. 20, 1891.

FIG. 4

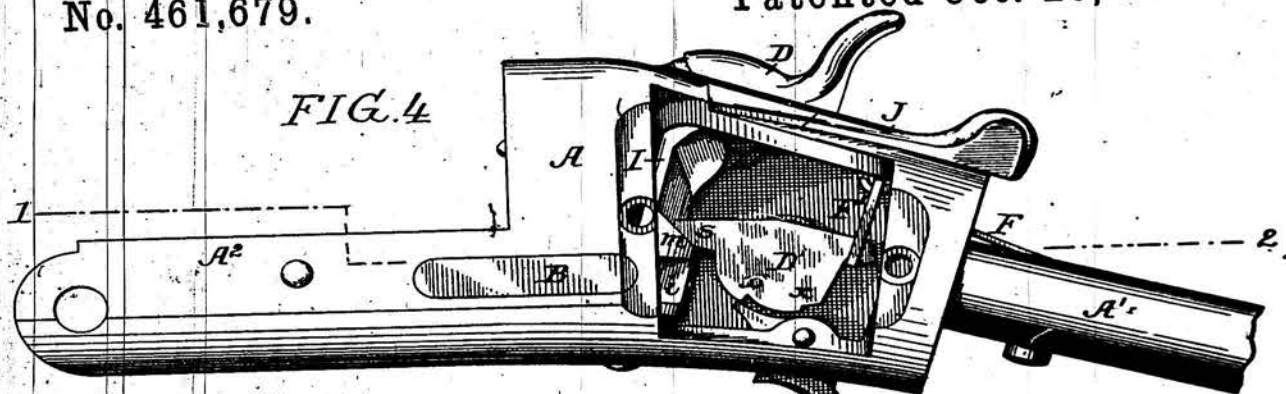


FIG. 5

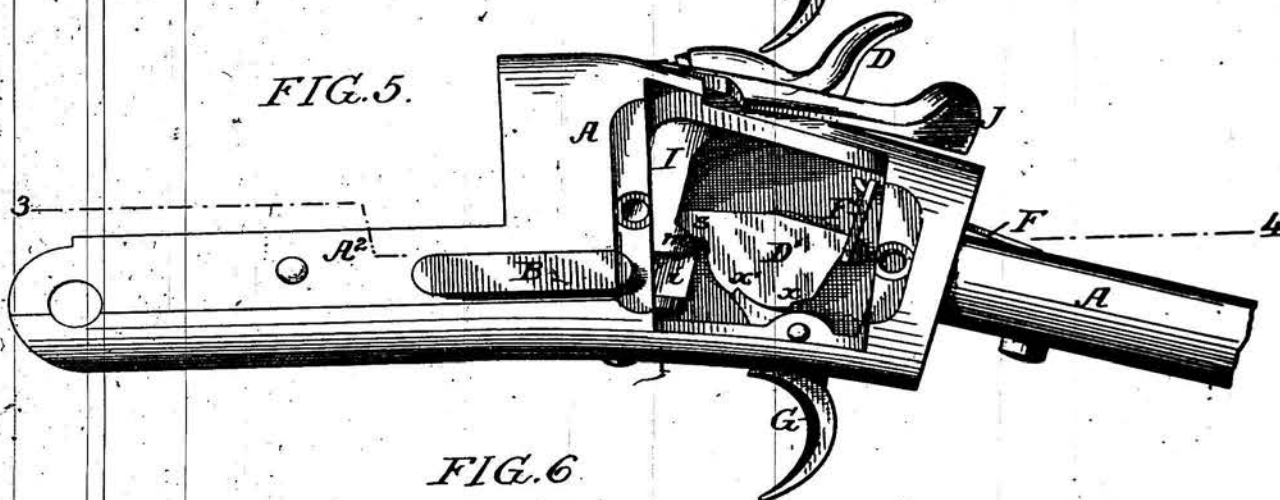


FIG. 6

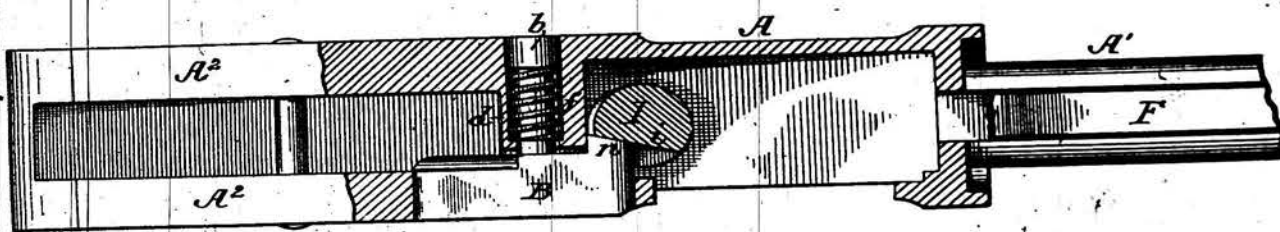
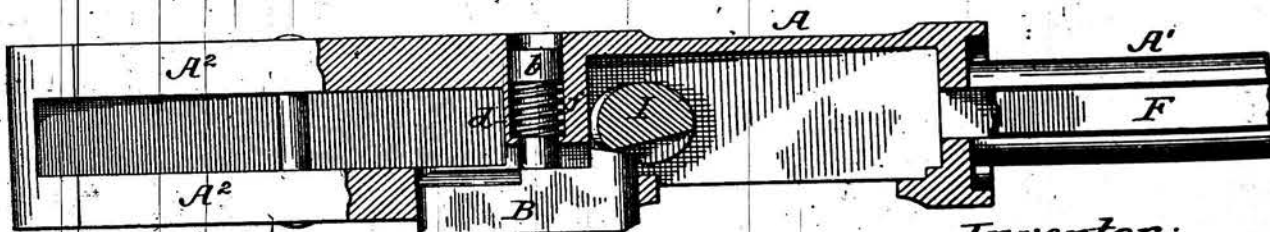


FIG. 7



Witnesses:
Murray C. Boyer.
Fred H. Goodwin.

Inventor:
Granville Henry
by his Attorneys
Howson & Howson

Oct. 20, 1891.

UNITED STATES PATENT OFFICE.

GRANVILLE HENRY, OF NAZARETH, PENNSYLVANIA.

BREAKDOWN GUN.

SPECIFICATION forming part of Letters Patent No. 461,679, dated October 20, 1891.

Application filed January 12, 1891. Serial No. 377,457. (No model.)

To all whom it may concern:

Be it known that I, GRANVILLE HENRY, a citizen of the United States, and a resident of Nazareth, Northampton county, Pennsylvania, have invented certain Improvements in Breech-Loading Fire-Arms, of which the following is a specification.

My invention relates to that class of breech-loading fire-arms in which a side-acting bolt is used for locking the barrel, the object of my invention being to provide a simple device for moving the bolt so as to unlock the barrel, and for moving the hammer to the position of half-cock simultaneously with the unlocking of the barrel. This object I attain in the manner hereinafter set forth, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of the lock mechanism of a breech-loading gun constructed in accordance with my invention, the side plate being detached to show the internal parts. Fig. 2 is a perspective view of part of the lock mechanism, showing some of the devices in a different position from that represented in Fig. 1. Fig. 3 is a detached perspective view of that part of the mechanism to which my invention specifically relates. Fig. 4 is a side view of the lock mechanism, showing the parts in a position similar to those shown in Fig. 1. Fig. 5 is a like view showing the parts in a position similar to those represented in Fig. 2. Fig. 6 is a view partly in plan and partly in section on the lines 1 2, Fig. 4; and Fig. 7 is a like view, the section being on the lines 3 4, Fig. 5.

A represents the lock-casing, which has a rearwardly-projecting portion A' for entering the stock of the gun and forwardly-projecting cheek-pieces A², between which fits the pivot-plate of the barrel structure, said cheek-pieces having openings a for the reception of the pivot-pin of the barrel.

The barrel is locked in position by means of a laterally-sliding bolt B, suitably guided in an opening in one side of the lock-casing and having a stem b projecting into a socket d in the other side of the lock-casing, as shown in Figs. 6 and 7, a spring f being interposed between the head of the stem and the base of the socket, and this spring having a tendency to draw the bolt B inward, so as to cause

it to engage with the usual slot in the pivot-plate of the barrel, and thus locking said barrel. The hammer D of the gun has within the lock-casing the usual hammer-lever or tumbler D', which is acted upon by the main spring F, connected to the tumbler by a link F', said tumbler having the usual full-cock notch x and half-cock notch x' for engagement with the toe of the trigger G. The unlocking-lever J occupies a position on the top of the lock-casing and is secured to or forms part of a stem I, which is free to turn in suitable bearings in the top and bottom of the lock-casing, and has two cam-surfaces i and m formed upon it. The cam-surface i is formed by cutting away one side of the stem I near the lower end of the same, and this cam acts upon a toe n on the rear end of the locking-bolt B, as shown in Figs. 6 and 7, so that movement of the unlocking-lever J from the position shown in Fig. 1 to that shown in Fig. 2 effects movement of the stem I from the position shown in Fig. 6 to that shown in Fig. 7, thereby moving the locking-bolt B laterally to such an extent as to unlock the barrel of the gun, the spring f tending to restore the bolt to locking position as soon as pressure is removed from the lever J. The cam m consists of the beveled base of a recess formed in the rear of the stem I, and this cam acts upon a forwardly-projecting tongue s on the tumbler D', so that the same movement of the stem I which effects the projection of the locking-bolt B will effect a lift of the forward end of the tumbler, so as to permit the trigger to engage with the half-cock notch of the same, the hammer being thereby lifted to the position of half-cock. (See Figs. 4 and 5.) An effective but extremely simple device for the purpose is thus provided, which does not require any material change in the other parts of the lock as now constructed.

Having thus described my invention, I claim and desire to secure by Letters Patent—

1. The combination of the lock-casing and the laterally-sliding locking-bolt therein, having a laterally-projecting stem contained in a recess in said casing and having an enlarged head, a spring surrounding said stem and acting upon the head of the same, the top lever, and the lever-stem having a side cam

Inventor:
Granville Henry
by his Attorneys
Wason & Wason

461,679

acting upon the locking-bolt to laterally project the same against the action of the spring, substantially as specified.

2. The combination of the lock-casing, the
5 laterally-sliding locking-bolt, the hammer, the tumbler, and the trigger with the top lever and its stem, the latter having a side cam acting upon the locking-bolt to laterally project the same, and a lifting-cam acting on the tum-

bler to move the hammer to the position of half-cock, substantially as specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GRANVILLE HENRY.

Witnesses:

WILSON E. BECK,
JACOB H. BECK.