



Patents of Invention as Genealogical Resources

Dawn Rohan

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307-777-7281

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Cheyenne, WY



What is a Patent?

A patent is a property right granted to an inventor. In exchange for the right to a limited monopoly, the inventor must publicly disclose all knowledge related to the invention.

The U.S. Patent and Trademark Office publishes this knowledge to promote the scientific progress of the nation.



Not all are Edisons

- There are more than 7 million patents
- Not everyone is a Thomas Edison or Alexander Graham Bell
- Many patents were issued for agricultural implements, ranch tools, and other devices that assisted in running the American homestead



Brief History of U.S. Patents

- Right guaranteed in the U.S. Constitution (Article I, Section 8)
- First U.S. patent issued in 1790 to Samuel Hopkins of Philadelphia
- A fire at the Patent Office in 1836 destroyed all 9,957 patents issued to that date; only 2,845 patents were recovered from their owners



X-Patents

- Patents did not start receiving numbers until 1836
- Early unnumbered (or “Name-Date”) patents were retroactively given numbers preceded by an X
- They are now called X-Patents
- The first U.S. patent is X1 not 1

First U.S. Patent



July 31, 1790

The United States.

To all to whom these Presents shall come. Greeting.

Whereas Samuel Hopkins of the City of Philadelphia and State of Pennsylvania hath discovered an Improvement, not known or used before, such Discovery, in the making of Pot. ash and Pearl. ash by a new Apparatus and Process, that is to say, in the making of Pearl. ash 1st by burning the raw Ashes in a Furnace, 2^d by dissolving and boiling them when so burnt in Water, 3^d by drawing off and settling the ley, and 4th by boiling the ley into salts which then are the true Pearl. ash; and also in the making of Pot. ash by fluxing the Pearl. ash so made as aforesaid; which Operation of burning the raw Ashes in a Furnace, preparatory to their Dissolution and boiling in Water, is new, leaves little Residuum; and produces a much greater Quantity of Salt: These are therefore in pursuance of the Act, entitled "An Act to promote the Progress of useful Arts", to grant to the said Samuel Hopkins, his Heirs, Administrators and Assigns, for the Term of fourteen Years, the sole and exclusive Right and Liberty of using, and vending to others the said Discovery, of burning the raw Ashes previous to their being dissolved and boiled in Water, according to the true Intent and Meaning, of the Act aforesaid. In Testimony whereof I have caused these Letters to be made patent, and the Seal of the United States to be hereunto affixed. Given under my Hand at the City of New York this thirty first Day of July in the Year of our Lord one thousand seven hundred & Ninety.

G. Washington

City of New York July 31st 1790. -

I do hereby Certify that the foregoing Letters patent were delivered to me in pursuance of the Act, entitled "An Act to promote the Progress of useful Arts"; that I have examined the same, and find them conformable to the said Act.



Colonial Patents

- Prior to the American Revolution, colonists were issued patents by their colonies or the British government
- Patents were issued by the Massachusetts, Connecticut, Rhode Island, New York, Virginia, South Carolina, and Plymouth Colonies
- Woodcroft, Bennet. Alphabetical Index of Patentees of Inventions, 1617 – 1852. Reprint, London: Evelyn, Adams & MacKay, 1969. *Index to British patents, includes Colonial America, alphabetical by patentee, does not include locations*



Other Special “U.S.” Patents

- **Confederate Patent Office**

Issued 266 patents during the 4 years it existed; List of patents issued:

<http://www.myoutbox.net/popchapx.htm>

- **Republic of Texas**

At least 16 issued, required Texas citizenship

Muir, Andrew Forest. “Patents and Copyrights in the Republic of Texas.” *Journal of Southern History*, 12 (May 1946), 204-222.



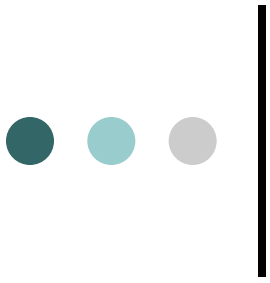
Women Inventors

- First woman in America to have her invention patented: Pennsylvania colonist Sybilla Masters in 1715 (issued by the British government to her husband Thomas)
- First woman to receive a U.S. patent in her own name: Mary Dixon Kies of Connecticut in 1809



Why use patents for genealogical research?

- Legal contract with personal information
- Issued federally, not by the states, so there is one collection to search
- Each patent has a unique number; if you have the number, you can easily find the patent
- Available free online



What genealogical
information is
available on a U.S.
patent?



The Front Page

Bibliographic information is found on the “Front Page”. For current patents, the Front Page is truly page one.

However, older patents start with the drawings so the Front Page may be located several pages into the document.



Basic Biographical Information

U.S. patents are unique in the world in that the applicant must be the inventor.

Every U.S. patent includes an individual's full name and location even if the rights are assigned to a company.

Name and Address

JOSEPHINE G. COCHRANE, OF SHELBYVILLE, ILLINOIS.

UNITED STATES PATENT OFFICE.

JOSEPHINE G. COCHRANE, OF SHELBYVILLE, ILLINOIS.

DISH-CLEANER.

SPECIFICATION forming part of Letters Patent No. 512,683, dated January 16, 1894.

Application filed February 26, 1892. Serial No. 422,868. (No model.)

To all whom it may concern:

Be it known that I, JOSEPHINE G. COCHRANE, a citizen of the United States, residing at Shelbyville, in the county of Shelby and State of Illinois, have invented certain new and useful Improvements in Dish-Washing Machines, of which the following is a full, clear, and exact specification.

My invention relates to improvements in machines for washing dishes, in which a continuous stream or streams of either soap-suds or clear water is injected through a crate or reel holding racks or cages, containing dishes to be washed, while the crate or reel is rotated so as to bring as near as possible all surfaces or portions of the dishes under the action of the water; and my present invention is more particularly designed as an improvement upon machines of this character shown and described in United States Letters-Patent No.

down and automatically release the same when such cover is open.

A still further object, is to provide an improved form of basket or kit, which shall be capable of securely holding the dishes while in the reel, without damaging or marking the same, as has been the case heretofore when iron or metallic baskets or kits have been employed.

With these ends in view, my invention consists in certain features of novelty in the construction, combination and arrangement of parts hereinafter fully described, in connection with the accompanying drawings and more particularly pointed out in the claims.

In the said drawings, Figure 1 is a front elevation of my machine, the reels or crates being removed and the side doors and their lifting mechanism being omitted for the sake of clearness. Fig. 2, is a vertical longitudi-

To all whom it may concern:

Be it known that I, JOSEPHINE G. COCHRANE, a citizen of the United States, residing at Shelbyville, in the county of Shelby and State of Illinois, have invented certain new

Name Changes – Marriage

Patented Oct. 7, 1924.

1,510,536

UNITED STATES PATENT OFFICE.

GRACE BALLARD, NOW BY MARRIAGE GRACE BALLARD HOWELL, OF CASPER,
WYOMING.

PAINTBRUSH ATTACHMENT.

Application filed July 26, 1923. Serial No. 653,842.

To all whom it may concern:

Be it known that I, GRACE BALLARD, a citizen of the United States, and a resident of Casper, in the county of Natrona and the State of Wyoming, have invented certain new and useful Improvements in Paintbrush Attachments, of which the following is a specification.

This invention relates to a rubber cup

tions 5^a, all these parts of the swabber being formed of wire. The forks project into the rubber cup, on opposite sides of the stock and carry rubber swabbers 6 arranged at right angles to the forks and shaped to fit within the cup and between the sides of the cup and the brush. They also retain the greater portion of the paint dripping into the brush.

16

3,089,244

1

1 Claim. (Cl. 33—2)

2

**Annette Levy, nee Amselle, Ibsen 33.902 Polanco,
Mexico City, Mexico**

Legal Name Changes

UNITED STATES PATENT OFFICE.

JAMES W. KNELL, (BY JUDICIAL CHANGE OF NAME NOW NEILSON BURGESS,) OF HIGHLANDS, NEW JERSEY.

APPARATUS FOR PRODUCING ILLUSORY DRAMATIC EFFECTS.

SPECIFICATION forming part of Letters Patent No. 455,288, dated June 30, 1891.

Application filed March 28, 1890. Serial No. 345,759. (No model.)

To all whom it may concern:

Be it known that I, JAMES W. KNELL, of Highlands, in the county of Monmouth and State of New Jersey, have invented certain
5 new and useful Improvements in Apparatus for Producing Illusory Dramatic Effects, of which the following is a full, clear, and exact description, whereby any one skilled in the art can make and use the same.

e' may be dispensed with and a downwardly-projecting arm *c*³, fast to the carriage, used to enable it to be readily moved from below the stage. The important point is that some
55 suitable means shall be provided for enabling the carriages to be moved at the proper time and in a suitable manner to produce the race effect.

A bicycle (and by this term I mean to in- 60

Name Change Database

<http://will.state.wy.us/sis/ptdl/namechange/index.html>

DATABASE OF NAME CHANGES IN PATENTS

This database indexes United States patents in which a legal name change is identified in the document. Each record provides a link to the United States Patent and Trademark Office (USPTO) website. TIFF software is required to view the scanned patents. To download free TIFF software, go to the [USPTO website](#).

Enter information in any or all of the fields below.

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City:

State/Country:

Change type:

Patent Number:

Between the Years:

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last updated 4/9/2007

Citizenship

UNITED STATES

To all whom it may concern:

Be it known that I, MIELI R. JARTTI, a subject of the Czar of Russia, residing at Glencoe, in the county of Lincoln and State of Wyoming, have invented certain new and useful Improvements in Sled Attachments for Automobiles, of which the following is a

MIELI ROHKEA JARTTI, OF GLENCOE, WYOMING.

SLED ATTACHMENT FOR AUTOMOBILES.

1,267,871.

Specification of Letters Patent.

Patented May 28, 1918.

Application filed January 10, 1917. Serial No. 141,603.

To all whom it may concern:

Be it known that I, MIELI R. JARTTI, a subject of the Czar of Russia, residing at Glencoe, in the county of Lincoln and State of Wyoming, have invented certain new and useful Improvements in Sled Attachments for Automobiles, of which the following is a

connected at their front ends by the rod 13. The runners 12 are formed along their relatively inner lateral faces with the ledges 14 to which the cross beams 15, 15 are secured, 60 the ends of said beams being curved downwardly to engage with said ledges and the body portions of the beams being raised

Citizenship

Patented Mar. 23, 1926.

UNITED STATES PATENT

GUSTAF JOHNSON, OF BENSON,

MACHINE FOR PACKING EXPLOSIVES.

Application filed September 8, 1925. Serial No. 54,981.

To all whom it may concern:

Be it known that I, GUSTAF JOHNSON, (on or about November 12th, 1907, he filed his first papers declaring his intention of becoming a naturalized citizen of the United States of America), a citizen of the Republic of Finland, residing at Benson, in the county of Cochise and State of Arizona, have invented new and useful Improvements in Machines for Packing Explosives, of which the following is a specification.

This invention relates to high explosives, more particularly to a machine for packing explosives.

To all whom it may concern:

Be it known that I, GUSTAF JOHNSON, (on or about November 12th, 1907, he filed his first papers declaring his intention of becoming a naturalized citizen of the United States of America), a citizen of the Republic of Finland, residing at Benson, in the county of Cochise and State of Arizona, have invented new and useful Improvements

Fig. 6 is a vertical section taken on the same line as Fig. 3, showing the packing machine as it appears while filling the cartridges.

Fig. 7 is a view analogous to Fig. 6, showing a step in the operation of filling the cartridges,

Fig. 8 is a perspective view of a holder or shuttle for empty shells or cartridges to be filled with the explosive compound,

Fig. 9 is a top plan view of an apparatus for feeding empty shells or cartridges into the shuttle shown in Fig. 8,

Fig. 10 is a vertical section taken through

Citizenship Clues

UNITED STATES

CHARLEY L. BEEMAN, OF RIVERTON, WYO.
OF RIVERTON

To all whom it may concern:

Be it known that I, CHARLEY L. BEEMAN, a native-born citizen of the United States, residing at Riverton, in the county of Fremont and State of Wyoming, have invented new and useful Improvements in Shipping-Tags, of which the following is a specification

SHIPPING-TAG.

1,222,595.

Specification of Letters Patent.

Patented Apr. 17, 1917.

Application filed May 26, 1916. Serial No. 100,086.

To all whom it may concern:

Be it known that I, CHARLEY L. BEEMAN, a native-born citizen of the United States, residing at Riverton, in the county of Fremont and State of Wyoming, have invented new and useful Improvements in Shipping-Tags, of which the following is a specification

A disk 6, of sheet metal or other suitable material is arranged on the reverse side of the tag and is held securely thereto by means of the clenched prongs 5. The fastening disks greatly reinforce the tag as well as provide means for attaching the string or wire thereto. It will be observed and understood that my fastening devices

Citizenship Clues

UNITED STATES PATENT

KARL GUSTAV OELSNER, OF RIVERTON

LIFE-SAVING DEVICE.

1,232,713.

Specification of Letters Patent.

Patented July 10, 1917.

Application filed November 4, 1916. Serial No. 129,635.

To all whom it may concern:

Be it known that I, KARL GUSTAV OELSNER, a naturalized citizen of the United States, and a resident of Riverton, in the county of Fremont and State of Wyoming, have invented new and useful Improvements in Life-Saving Devices, of which the following is a full, clear, and exact description.

To all whom it may concern:

Be it known that I, KARL GUSTAV OELSNER, a naturalized citizen of the United States, and a resident of Riverton, in the county of Fremont and State of Wyoming, have invented new and useful Improvements in Life-Saving Devices, of which the following is a full, clear, and exact description.

Numeral 20 indicates the three big boxes, which form the attachment (in the drawings the boxes 20^a and 20^b only are shown). Every box is divided in three similarly shaped parts with covers; every part is divided in three similarly shaped compartments (in the drawings only two parts with two compartments are shown).

Numeral 21 indicates the said covers; they

Citizenship – Multiple Patents, part 1

UNITED STATES PATENT OFFICE.

JOSEPH WOLNY, OF CARNEYVILLE, WYOMING.

CAR-DOOR OPERATOR.

1,204,630.

Specification of Letters Patent.

Patented Nov. 14, 1916.

Application filed June 5, 1916. Serial No. 101,740.

To all whom it may concern:

Be it known that I, JOSEPH WOLNY, a subject of the Emperor of Austria-Hungary, residing at Carneyville, in the county of Sheridan and State of Wyoming, have invented certain new and useful Improvements in Car-Door Operators, of which the following is a specification.

bracket 16 and is provided with a spring-pressed dog 18 adapted to engage a toothed wheel 19 upon the shaft 13 and whereby the shaft is prevented from allowing the chains 12 to unwind therefrom until the dog 18 is released.

A ratchet wheel 20 is secured to the shaft end 17 outwardly of the adjacent bracket

Citizenship – Multiple Patents, part 2

UNITED STATES PATENT OFFICE.

JOSEPH WOLNY, OF CARNEYVILLE, WYOMING.

BEET-MACHINE.

1,339,874.

Specification of Letters Patent.

Patented May 11, 1920.

Application filed January 19, 1918. Serial No. 212,675.

To all whom it may concern:

Be it known that I, JOSEPH WOLNY, a citizen of the United States, residing at Carneyville, in the county of Sheridan and State of Wyoming, have invented a new and useful Beet-Machine, of which the following is a specification

a forward rotation thereto. A ground wheel 14 is secured to the axle 11, the wheels 12 and 14 being disposed on opposite sides of the main frame. The wheels 12 and 14 are supplied with spurs 15 which enhance the hold of the wheels upon the ground. A post 16 is carried by the brace 5 and sup-



Movement

Thomas Widdop

- Patent no. 753339

March 1, 1904 – Mountain View, WY

- Patent no. 761569 & 761570

May 31, 1904 - Burntfork, WY

- Patent no. 791389

May 30, 1905 – Mountain View, WY

- Patent no. 811755

February 6, 1906 – Mountain View, WY

- Patent no. 817208

April 10, 1906 – Lonetree, WY



Assignees

The assignee is the organization or person to whom the inventor transferred the legal rights to the patent.

The assignee is generally - but not always - the inventor's employer.

The assignee can also provide clues to the name of the inventor's business or their family/friends.

Employer/Name of Business



US007000673B2

(12) **United States Patent**
Cook

(10) **Patent No.:** **US 7,000,673 B2**

(45) **Date of Patent:** **Feb. 21, 2006**

(54) **VERTICALLY AND HORIZONTALLY
SWINCING GATE**

(75) Inventor: **Edmond A. Cook**, Lusk, WY (US)

(73) Assignee: **EC Ranch**, Lusk, WY (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 65 days.

(21) Appl. No.: **10/798,503**

(22) Filed: **Mar. 11, 2004**

(65) **Prior Publication Data**

US 2005/0150612 A1 Jul. 14, 2005

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6,611,992 B1 *	9/2003	Arnaud	16/239
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2003/0136955 A1	7/2003	Platt	

* cited by examiner

Primary Examiner—Blair M. Johnson

(74) *Attorney, Agent, or Firm*—Antoinette M. Tease

Assignees

UNITED STATES PATENT OFFICE.

EDWIN A. YOUNG, OF LANDER, WYOMING, ASSIGNOR OF ONE-HALF TO DANIEL K. YOUNG, OF LANDER, WYOMING.

HEN'S NEST.

1,061,154.

Specification of Letters Patent.

Patented May 6, 1913.

Application filed August 13, 1912. Serial No. 714,899.

To all whom it may concern:

Be it known that I, EDWIN A. YOUNG, a citizen of the United States, residing at Lander, in the county of Fremont, State of Wyoming, have invented certain new and useful Improvements in Hens' Nests; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in hens' nests.

the direction indicated by the arrows, Fig. 5 is a similar view taken on the line 5—5 of Fig. 3 looking in the direction indicated by the arrows, Fig. 6 is a horizontal sectional view taken on the line 6—6 of Fig. 3, Fig. 7 is a perspective view of the door, and Fig. 8 is a perspective view of the step.

Like reference numerals designate corresponding parts in all the figures in the drawings.

Referring to the drawings, the invention comprises a nest box which is designated as a whole by the reference letter A. This box

Assignees

UNITED STATES PATENT OFFICE.

NORMAN ALEXANDER GAVIN, OF KINSHASHA, BELGIAN KONGO; MARY MACDONALD GAVIN, EXECUTRIX OF SAID NORMAN ALEXANDER GAVIN, DECEASED, ASSIGNOR TO LEVER BROTHERS LIMITED, OF PORT SUNLIGHT, ENGLAND.

EXTRACTION OF OIL FROM VEGETABLE FRUITS.

1,328,278.

Specification of Letters Patent.

Patented Jan. 20, 1920.

Application filed March 3, 1917. Serial No. 152,347.

To all whom it may concern:

Be it known that I, NORMAN ALEXANDER GAVIN, a subject of the King of Great Britain, residing at Kinshasha, Belgian Kongo, have invented certain new and useful Improvements in the Extraction of Oil from Vegetable Fruits, of which the following is a specification.

of oil so expelled in certain qualities of fruit practically represents the whole of the mechanically recoverable palm oil in the fruit. 45

If desired, where owing to the condition of the fruit before treatment by cooking or the like, or by conditions arising in such treatment, only a partial recovery of the oil is effected by the centrifugal extractor, the 50

Co-Inventors/Witnesses

UNITED STATES PATENT OFFICE.

WILLIAM F. CODY, OF CODY, WYOMING, ASSIGNOR TO THE NORTH & JUDD MANUFACTURING COMPANY, OF NEW BRITAIN, CONNECTICUT, A CORPORATION OF CONNECTICUT.

DESIGN FOR A BIT.

49,949.

Specification for Design.

Patented Nov. 28, 1916.

Application filed August 31, 1916. Serial No. 117,946. Term of patent 14 years.

To all whom it may concern:

Be it known that I, WILLIAM F. CODY, a citizen of the United States, residing at Cody, in the county of Park and State of Wyoming, have invented a new, original, and ornamental Design for Bits, reference being had to the accompanying drawings, forming part of the present specification.

Referring to said drawings: Figures 1

and 2 are opposite side views of a bit showing my new design.

I claim:

The ornamental design for a bit as shown.

WILLIAM F. CODY.

Witnesses:

A. H. STEPHENS,

W. C. BRADFORD.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."

Executors

UNITED STATES PATENT

RUFUS TYLER, DECEASED, BY PHILOS B. TYLER,
LOUISIANA.

MACHINE OR APPARATUS FOR COUNTING COIN, &c.

Specification of Letters Patent No. 2,320, dated October 11, 1841.

To all whom it may concern:

Be it known that I, PHILOS B. TYLER, chief coiner of the branch mint of the United States at New Orleans, in the State of Louisiana, am the executor of RUFUS TYLER, deceased, who was my predecessor in the office of chief coiner of the mint aforesaid, and that the said RUFUS TYLER did invent and bring to perfection a new and useful
10 Apparatus or Instrument for the Ready and Accurate Counting of Coins and of other Articles of a Similar Character; and I do hereby declare that the following is a full and exact description thereof.

To all whom it may concern:

Be it known that I, PHILOS B. TYLER, chief coiner of the branch mint of the United States at New Orleans, in the State of Louisiana, am the executor of RUFUS TYLER, deceased, who was my predecessor in the office of chief coiner of the mint aforesaid,

stitute the whole that is necessary to the construction of the instrument. 55

The following is the manner of using this instrument. As it lies horizontally, a quantity of the coin to be counted is laid, or heaped, upon it, and it is then tilted toward the end D, D, to carry the pieces in that direction, and that end is then raised by hand to a height sufficient to cause the pieces of coin to slide down toward the end furnished with the ledge C, C; this ledge will arrest the pieces which come against it, and thus the pieces behind them, in succession, and the result will be that there will be. 60 65

Heirs

United States Patent Office

3,079,041

Patented Feb. 26, 1963

1

3,079,041

PORTABLE BOTTLE RACK

Einar Henri Köhnke, Eklundsgatan 1, Linköping, Sweden;
Sonja Viola Köhnke, nee Ryd, wife, and Henri Gustav
Köhnke, son, heirs of Einar H. Köhnke, deceased, both
of Linköping, Sweden

Filed June 13, 1961, Ser. No. 116,812

Claims priority, applica-
tion of 1 Claim.

2

In order to make a bottle rack of the material accord-
ing to FIGURE 1, first the lower half of the strip 1 is
along the bending line 5 folded down and in against the
upper half, so that a double sheet according to FIGURE
2 is formed. Thereafter the left half of the double sheet
according to FIGURE 2 is folded down and in against
the right half, so that a fourfold sheet according to

3,079,041

PORTABLE BOTTLE RACK

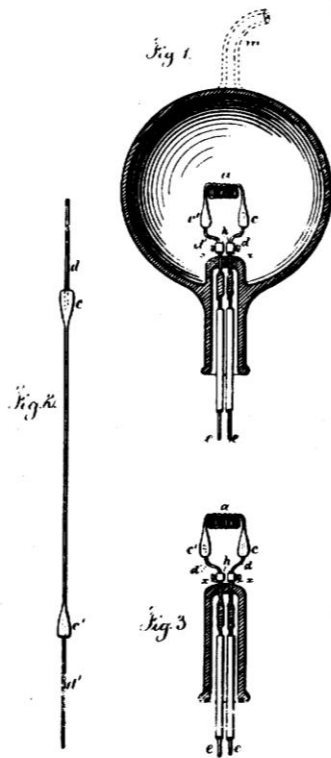
Einar Henri Köhnke, Eklundsgatan 1, Linköping, Sweden;
Sonja Viola Köhnke, nee Ryd, wife, and Henri Gustav
Köhnke, son, heirs of Einar H. Köhnke, deceased, both
of Linköping, Sweden

Signatures

T. A. EDISON.
Electric-Lamp.

No. 223,898.

Patented Jan. 27, 1880.



Witnesses
Charles Smith
Geo. P. McKinney

Witnesses
Charles Smith
Geo. P. McKinney

Inventor
Thomas A. Edison
per Lemuel W. Ferrell

att.

eHe

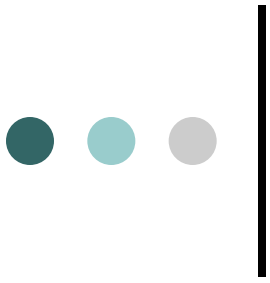
Inventor
Thomas A. Edison
per Lemuel W. Ferrell

att.



Misspellings/Errors

Certificates of Correction are attached as the last page to correct minor errors but are not always added since there is a fee.



Researching Historical Patents

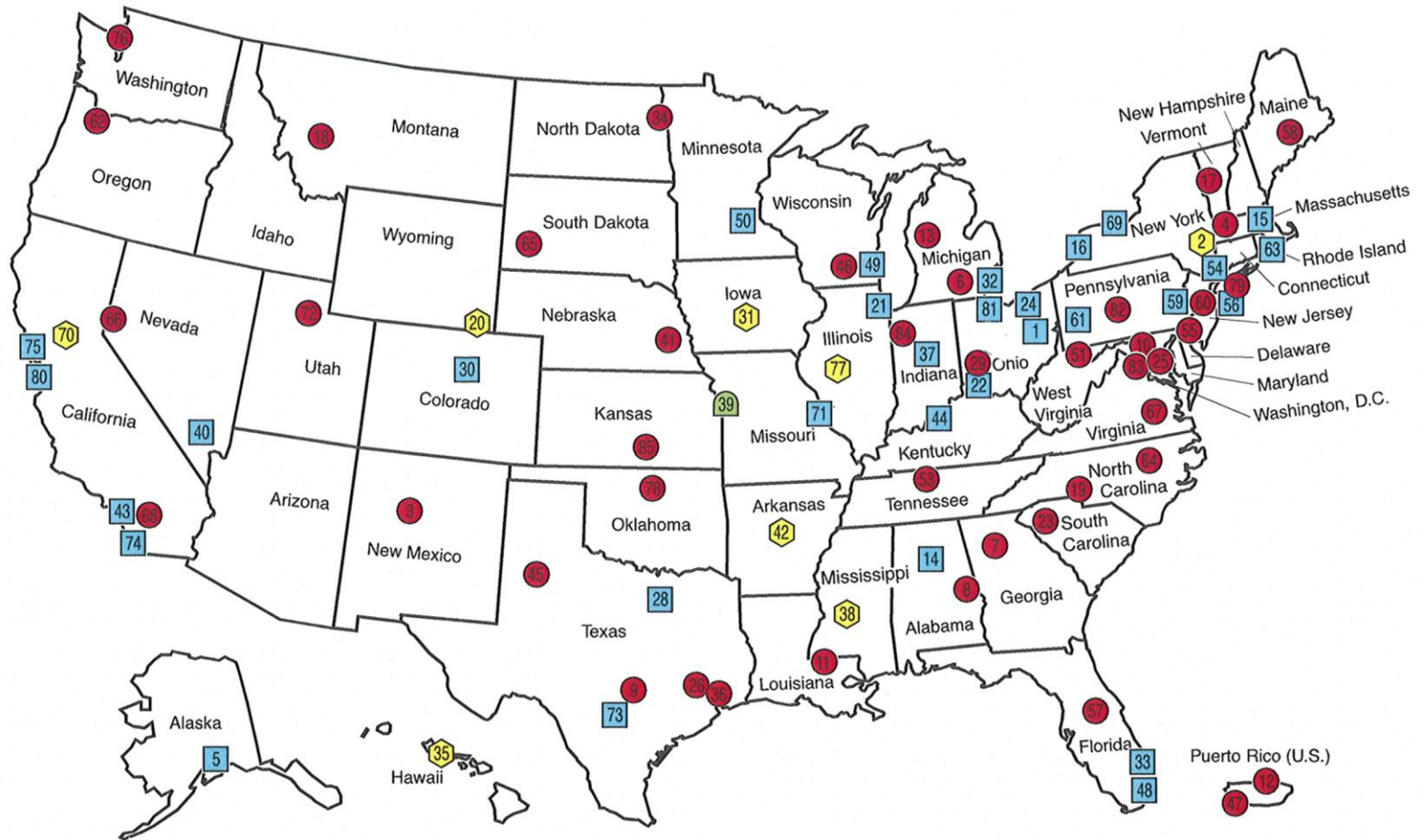


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TIFF software

 **UNITED STATES PATENT AND TRADEMARK OFFICE**
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1 Last Modified: 1/21/2009

<http://www.uspto.gov/patft/index.html>



UNITED STATES PATENT AND TRADEMARK OFFICE
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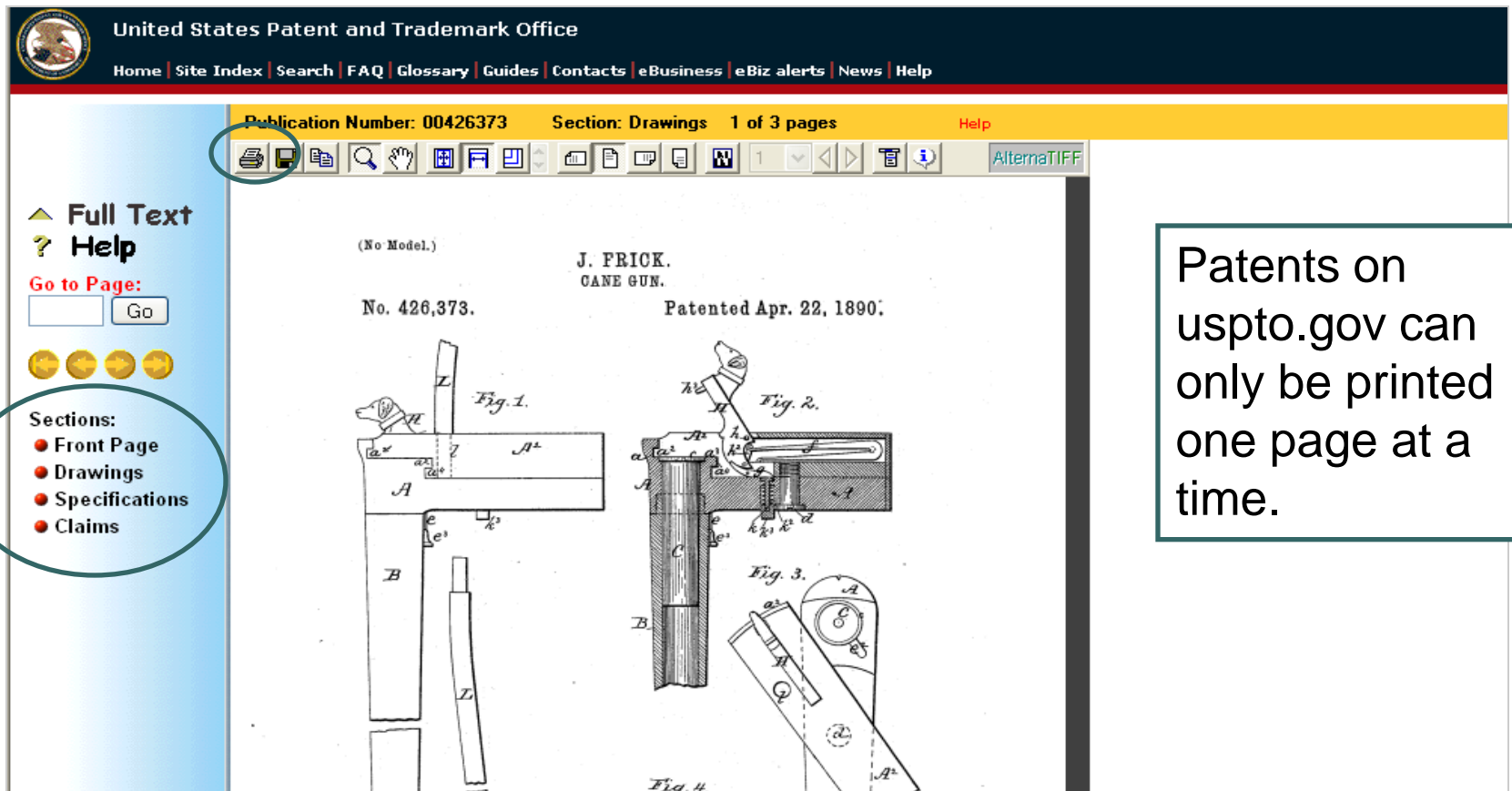
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United States Patent	426,373
Issue Date:	April 22, 1890
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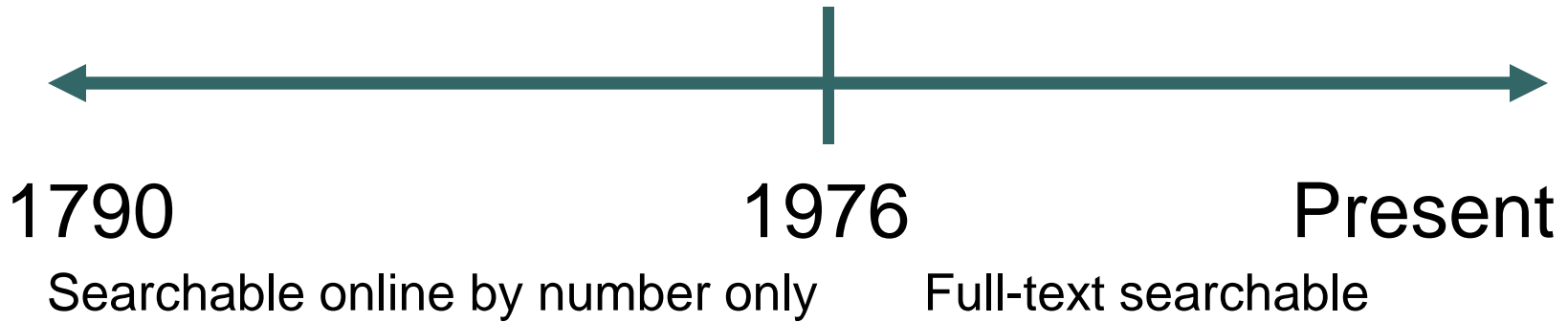
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United States Patent <i>Vine</i>	5,471,781 December 5, 1995
Mouse trap	
Abstract	
<p>A trap for capturing mice or other rodents. The inventive device includes a main body having an entrance ramp leading thereinto. A bait container is positioned within the main body to attract a mouse towards a pivotally mounted trap door. A holding compartment positioned beneath the trap door receives the mouse within a removable drawer. The drawer includes an insertable screen which permits removal of the drawer and transport of the mouse to an exterior area for release thereof.</p>	
Inventors:	<i>Vine; Henry E.</i> (Sheridan, WY)
Appl. No.:	08/314,138
Filed:	September 28, 1994



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Additional Databases

- **PubWest (available only at PTDLs)**

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- **Pat2PDF (www.pat2PDF.org/)**

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Non-U.S. Patents

PATENT SPECIFICATION



Application Date: March 20, 1923. No. 29,691/22. **214,671**

Complete Accepted: May 1, 1924.

COMPLETE SPECIFICATION.

Improvements in and relating to Cooking and Heating Stoves.

I, WILLIAM ABRAHAM MCCORMICK, 5, Victoria Avenue, Finchley, N. 3, England, an Englishman, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

My invention relates to cooking and heating stoves of the kind in which the combustion chamber, while combustion is taking place, communicates only with the air outside the room in which the stove is attended.

The necessity for such invention has been demonstrated by the facts that one of my daughters died from gas poisoning when she had put milk on a gas ring and turned on gas to it one night; and another daughter narrowly escaped serious damage from a gas cooking stove which was blown to pieces as she came from a room where she had been adjusting it.

The object therefore of this invention is to provide apparatus which will exclude

small and so provide short exit for safety in case of gas leakage or explosion, with small enclosure as possible for accumulation of gas leakage. Where ordinary fuel is used the flues *c d* may be carried as shortly as possible into a chimney or flue, the heat being caught as it rises in and around the cooking and heating pots *a a' g* Fig. 2.

Damper door may be put where desired to regulate heat, the intention being to retain and use the heat as it rises to the upper part of apparatus holding it around oven or other pots in compartment *b* and allowing cooled products of combustion to pass away through openings *c, d*.

*y*² is wind baffle to shield gas or other flame at *y*.

Figure 2, lower part up to *h*¹, shows a vertical section of the same oven *a* with space *b* around it to level of *h*¹. My means of lighting in Figures 1 and 2 horizontal and vertical sections respectively are as follows:—

15 The necessity for such invention has been demonstrated by the facts that one of my daughters died from gas poisoning when she had put milk on a gas ring and turned on gas to it one night; and another
20 daughter narrowly escaped serious damage from a gas cooking stove which was blown to pieces as she came from a room where she had been adjusting it.

The object therefore of this invention is



Questions?

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307-777-7281