ORIGIN OF NOTE-**WORTHY INVENTIONS**

WELSH MECHANIC USED GAS FOR LIGHTING.

Fame-Automatic Lock Developed from a Dream.

Speaking of talking machines, the disc phonograph—known commercial ly as the gramophone—was the inven tion of a man who, employed in early life as a clerk, paid a mechanic fifty cents a night to teach him something about electricity. The teacher was very ignorant, and that was one reawhy the pupil, Emile Berliner, led off the beaten track. He began to make discoveries for himself. and finally evolved ideas which ren-dered the long distance telephone prac-

later, and it was the privilege of the writer to prepare the first article about it that ever was printed. He took it to Mr. Berliner in the manuscript for correction, and the inventsingle error, gave it his indorsestill living in Washington, and has recently been interested in the develop-

he applied for a patent, which brought him \$75,000 in the first year. The "poor inventor" is a term pro-verbial. Nevertheless, many poor men have become rich through their in

Invented Time Clock

Sir Henry Bessemer, who invented the steel-making process, was a poor boy who came to London from a country town to seek his fortune. Cyrus McCormick, who created the reaper and self-binding harvester, died worth W. L. Buildy was a watchmaker. He invented the time clock which keeps tab on employees in fac-tories and places of business, and it

Charles M. Hall was a student a Oberlin College when he discovered a means whereby aluminum could be means whereby aluminum cheaply separated from its ores. The cheaply separated from its ores. The method was simple enough, but it brought him wealth and made the white metal available for the housewhite metal available for the house-wife's pots and pans. Mergenthaler was an expert mechanic. His mechani-cal typesetter netted him millions. W. W. Jenne and C. L. Sholes, who did most to develop the typewriter (though their names are known to few), were both enriched thereby. The same is true of Charles J. Van Depoe who invented the under-running trol-ley which drives street cars in our He was a cabinet-maker in Detroit, and took up the study of elec-

tricity for evening amusement.
L. C. Crowell, inventor of the news-L. C. Crowell, inventor of the news-paper folder, was a mechanic. His idea was well worth the fortune it gained for him. Lack of a folding de-vice had set a limit on the output of the press. But the folder takes news-paper sheets as they receive the im-pressions folds them, packs them in-to neat shape, and stacks them all ready for distribution.

Twice as much power is required to stop a train as to start it.

A MOTHER'S DUTY TO HER DAUGHTER

Health Must be Guarded as She

Comes to Womanhood. Every mother who calls to mind her Bessemer, of Steel - Making daughter is likely to need health and strength during the years between early chool days and womanhood. It is then that growing girls droop and In these days it is hard for us to realize the sensation made by the discovery of the usefulness of gas as an illuminant. That takes us back a long way, nearly to the beginning of the last century, but it serves to illustrate the incredulity with which people weak and a dislike for proper food. These signs mean that the blood is generally are disposed to view any departure that is wholly novel.

The originator of the takes prompt steps to give the mew, rich blood her system calls for mother takes prompt steps to give the in 1796, he lighted his little home at Redruth, in Wales, with coal gas, his Redruth, in Wales, with coal gas, his red to the intervols. And learn to read in every failure that is wholly novel.

That comes to me.

That comes to me.

That comes to me.

Let me be bold of heart And learn to read in every failure

Let me be bold of heart And learn to read in every failure

How I may succeed.

How I may succeed.

His Lucid Moment.

His Lucid Moment.

When I may succeed:

His Lucid Moment.

While chestnuts preserve the name of Castana, another city of the past, while chestnuts preserve the name of Castana, another city of the past, while chestnuts preserve the name of Castana, another city of the past, while chestnuts preserve the name of Castana, another city of the past, while chestnuts preserve the name of Castana, another city of the past, while chestnuts preserve the name of Castana, another city of the past, while chestnuts preserve the name of Castana, another city of the past, while chestnuts preserve the name of Castana, another city of the past, while chestnuts preserve the name of Castana, another city of the past, while chestnuts preserve the name of Castana, another city of the past, while chestnuts preserve the name of Castana, another city of the past, while chestnuts preserve the name of Castana, another city of the past, while chestnuts preserve the name of Castana, another city of the past, while chestnuts preserve the name of Castana, another city of the past, while chestnuts prese neighbors thought he was in league with the devil. Later on, he managed to get capital interested, and the matter came up for consideration in Parliament.

One honorable member of a parliamentary committee said to Murdoch, "Do you tell me that it will actually be possible to have a light without a wick?" And, when the inventor made an affirmative reply, he shook his head, saying, "Ah, my friend, you are trying to prove too much!"

No end of fun was made of the idea. People imagined that the gas went through the pipes on fire, and foresaw awful results. In 1809 Lady Louis Mo'yneux, in a letter to a friend, wrote: "They have tried a dangerous experiment in the House of Commons, which was lighted so brilliantly that one could read the smallest print with ease. A dazzling glare came from thousands of a pertures in gas-pipes.

Fire engines were in attendance and they did not fail me. I also gave them to my eldest daughter, who was in a serious condition due to all ments of girls of her age. She complaines now of headaches or backaches, and used to the me exactly what happe left."

"You were hardly out of the print with ease. A dazzling glare came from thousands of a pertures in gas-pipes."

Fire engines were in attendance and daughter, blue yellow plant in times of weakness and peneral debility, and have found them a most satisfactory medicine. Attar a severe attack of influenza I found myself in a nervous condition. Attar a severe attack of influenza I found myself in a nervous condition. When the doctor return morning, he said to the me exactly what happe left."

"You were hardly out of the print with a serious condition due to all ments of girls of her age. She complaines now of headaches or lack-aches, and I give the credit to Dr. Williams! Pirk Pillis. Wheneve. I see any of my children affing or in need of a blood tonic, give them these pills and always with the best results."

You can get these pills to organ and you was and a light and talked a lot of his fever.

When the doctor return morning, he said to the me exactly what happe left."

"You were hardly do for say he was condition due to all ments of girls of her a ter came up for consideration in Par- used Dr. Williams' Pink Pills for many

case. A dazzling glare came from thousands of apertures in gas-pipes. You can get these pills though any fer engines were in attendance, and hose was laid along every pipe. But they will not venture to try it again,"

The Dr. Williams' Medicine Co., Brock-ville, Ont.

Pills and always with the best results. You get cheerfulness out of life in proportion as you put cheerfulness in. You cannot invest counterfeit coin and expect dividends in real money.

The Bold Heart.

This time I did not win And never try again?

No, rather let me strive The harder still Until I bend my fortune To my will.

Let me not break nor bend But let me be Stronger than any fate That comes to me.

The man became worse during the

When the doctor returned in the Delft pottery. me exactly what happened after I

"You were hardly out of the room ' she began, "when he said: 'When did that old fool say he was coming back?' Those were the last sensible words he spoke."

Young Alderman - "Just imagine hose rascally street railway people had the nerve to offer me a hund thousand to vote for their measure. His wife-"Oh, Henry!

Minimum Wage Legislation

By Elizabeth P. MacCallum, M.A., Social Service Council of Canada

Alberta is now the seventh province of the Dominion that has committed itself to a policy of governmental regulation of wages for women. In British Columbia, Saskatchewan, Manitoba, and Ontario government regulation is well myder way: in Alberta Ouebec fluctuating vague and inarticulate way more confidence.

Springer. He got his idea from a dream. For some time he had been trying to devise an automatic lock to brake wagons going down hill, so that the driver would not have to get out. He dreamed that he was driving down a steep hill, and had just such a lock on his wagon. He noticed exactly how it was constructed. On waking, he got up, sketched on a piece of paper the details of the mechanism, and went back to bed. Three days later he applied for a patent, which brought im \$75,000 in the first year.

The "poor inventor" is a term proverbial. Nevertheless, many poor men have become rich through their in lave became and from exploitation by cheap employer to get our workingwomen from each to proverbial. Nevertheless, many poor men have become rich through their in late of the sum of the latin text wages are realized or to the rather wages are realized or to ther wages are realized or to the rather wages are realized or to the rather their wages are realized or to the workers and bott appear to care the workers, and of individual employers in shops and stores are line a similar position. The Wage Boards of Manitoba and the workers, of the province, and of individual employers as well, that apathy of the province, and of individual employers as well, that apathy of the province, and of individual employers as well, that apathy of the province, and of individual employers as well, that apathy of the province, and of individual employers as well, that apathy of the province, and of individual employers as well, that apathy of the province, and of individual employers as well, that apathy of the province, and of individual employers as well, that apathy of the province, and of individual employers as well, that apathy of the province, and of individual employers as well, that apathy of the province, and of individual empl

well under way; in Alberta, Quebec ly is now held under the Berliner patents.

The disc phonograph came much later, and it was the patelliner of the later, and it was the patelline to take action; but Nava when the later, and it was the patelline to take action; but Nava when the later and it was the patelline to take action; but Nava when the later and it was the patelline to take action; but Nava when the patelline to take action; but Nava when the later and it was the patelline to take action; but Nava when the later and it was the patelline to take action; but Nava when the later and it was the patelline to take action; but Nava when the later and it was the patelline to take action; but Nava when the later and it was the patelline to take action; but Nava when the later and it was the patelline to take action; but Nava when the later and it was the patelline to take action; but Nava when the later and it was the patelline to take action; but Nava when the later and it was the patelline to take action; but Nava when the later and it was the patelline to take action; but Nava when the later and it was the patelline to take action; but Nava when the later and it was the patelline to take action; but Nava when the later and it was the patelline to take action; but Nava when the later and it was the patelline to take action; but Nava when the later and it was the patelline to take action; but Nava when the later and it was the patelline to take action; but Nava when the later and it was the patelline to take action; but Nava when the later and it was the patelline to take action; but Nava when the later and it was the patelline to take action; but Nava when the later and it was the patelline to take action; but Nava when the later and it was the patelline to take action; but Nava when the later and it was the patelline to take action; but Nava when the later and it was the patelline to take action; but Nava when the later and th had time to take action; but Nova where minimum wage legislation has representing often an increase of Scotia and Quebec have had the legislators is to create decent stand. Shortened, so that forty-eight is reyears. Action will probably be all the myher they do not exist of experience in other parts of the Dominion to guide them when they do not exist. Dominion to guide them, when they do of spirit to enable them to look after begin to enforce their Minimum Wage themselves. That self-respect is conspicuously lacking among those workers whose standards are still of the ment of a "helicopter" flying machine.

Most curious in its origin was the invention of a young engineer named Springer. He got his idea from a dream. For some time be about the month of the such workers do not appear to care whether their wages are raised or not.

There is a general conviction throughout Canada that some governmental action should be taken to protect workingwomen from each other and from exploitation by cheap em. Their indifference is born of about the minimum by as much as \$3.19, \$1.58, and \$4.43 per week. In Saskatchewan almost half of the laundance of the l

Geography in Names.

Many things we use every day are amed after the towns from which

hey originally came.
For instance, probably you have pair of worsted socks, once made at Worstead, but which nowadays come principally from Hudplace from which it took its name. Cambric handkerchiefs are so-called from the town of Cambrai, in France.

comes from Ecuador instead of the place from which it took its name. Cambric handkerchiefs are so-called from the town of Cambrai, in France.

Tweed suits, Inverness capes, and Leghorn hats are examples of the same thing. The connection between damsons and Damascus is not so obvious, but damson is really only a contraction for Damascene plum. Currants get their name from the fact that originally they were made from small grapes, which still grow near Corinth, in Greece; they were formerly called Corinthians.

Tanlae in bringing back their health, strength, and working efficiency. It seems to quickly invigorate the constitution and is a powerful foe of weakness. Mrs. Emma Miles, 125 Tecumsch Ave., London, Ont., says:

"I suffered terribly from stomach throuble, headaches and trouble, headaches and run down it was all I could do to get about. Since I've taken Tanlae, my stomach trouble, headaches and run down it was all I could do to get about. Since I've taken Tanlae, my stomach trouble, headaches and run down it was all I could do to get about. Since I've taken Tanlae, my stomach trouble, headaches and trouble, headaches and run down it was all I could do to get about. Since I've taken Tanlae, my stomach trouble, headaches and trouble, headaches and trouble, headaches and trouble, headaches and run down it was on weak, nervous and run down it was all I could do to get about. Since I've taken Tanlae, the seems to quickly invigorate the constitution and is a powerful foe of weakness. Mrs. Emma Miles, 125 Tecumsch Ave., London, Ont., says:

"I suffered terribly from stomach trouble, headaches and trouble, he

one in Somerset and the other in Huntingdonshire. Worcester, Dres-den, and Sevres have all given names night and talked a lot of nonsense in to different kinds of china, and Delft, a small Dutch town, is remembe

A GOOD MEDICINE FOR THE BABY

in action, and never fail to relieve con- pecially fitted to do: that they were stipation, colic, colds and simple sent here on some definite mission by fevers. Once a mother has used them the Creator of the universe, and that she will use nothing else. Concerning they will never be really happy or suc-I always them Mrs. Saluste Pelletier, St. Damas cessful until they are doing that for des Aulaines, Que., writes:—"I always keep a box of Baby's Own Tablets in the house. They are the best medicine never contented, never happy, n I know of for little ones and I would satisfied. A large percentage of our not be without them." The tablets are sold by medicine dealers or by mail at contented, misplaced human beings. sold by medicine dealers or by mail at 25c a box from The Dr. Williams' There is no greater service parents 25c a box from The Dr. W Medicine Co., Brockville, Ont.

Awaiting Her Tricks. Bobby-"Are you the trained nurse

amma said was coming?" The Nurse-"Yes, dear, I'm the his work.-O. S. Marden. Bobby-"Let's see some of your

"No one is living aright unless he

mum wage is apt to become the maximum and so defeat its own purpose.

In 1920 average wages in different intake one or two Cascarets to relieve In 1920 average wages in different in-dustries were found to exceed the

Has Never Felt **Better In All** Her Life

Thousands of frail, nervous people have nowadays come principally from Hud-dersfield; or a Panama hat, which comes from Ecuador instead of the place from which it took its name.

Our Work is Born With Us. "No man is born into this world," says Lowell, "whose work is not born

Instil this idea into the very marrow of the child's being—that no one is born into the world whose work is not born with him. Look out for your boy and girl. Their work is indicated in their blood, in the very make-up of their constitution. Teach them this from the start. Impress upon their Nothing can equal Baby's Own young minds the fact that their ten-dencies, their aptitudes, are indica-They are a laxative, mild but thorough tions of the thing that they are es-

never contented, never happy, never can do their children, or teachers their pupils than help them find their work their true place in life. There is no more pitis ble person in the world than the misfit, the

"Cascarets" 10c

For Sluggish Liver or Constipated Bowels

"Malachi," asked Mr. Casey, "can your woife cook as well as your moth-er did?" "She cannot," replied Malachi, "but

me friend, I niver mintion it, for she can throw considerably betther." MONEY ORDERS.

Send a Dominion Express Money Order. Five Dollars costs three cents. Avoid the pleasure that holds the

Ask for Minard's and take no other.

penalty of future pain

A Vision of the Era of Love.

Julia Ward Howe, who devoted her life to the service of humanity had a wonderful vision before she passed to the beyond. The story of it is here given in her own words

One night recently I experienced a sudden awakening. I had a vision of a new era which is to dawn for manbattling equally, unitedly, for the up-lifting and emancipation of the race from evil.

"I saw men and women of every clime working like bees to unwrap the whole web of vice and misery, and to apply the remedies and also to find the influences that should best count-eract evil and its attendant suffering.

"There seemed to be a new, a won-drous, ever-permeating light, the glory of which I cannot attempt to put in human words—the light of new-born human words—the fight of new-orn hope and sympathy blazing. The source of this light was human endeavor—immortal purpose of countless thousands of men and women, who were equally doing their part in the world.

"I saw the men and the women standing side by side, shoulder to shoulder, in a common and indomit-able purpose lighting every face with a glory not of this earth. All were advancing with one end in view, one foe to trample, one everlasting good to

gain.
"And then I saw the victory. All of evil was gone from the earth. Misery was blotted out. Mankind was enanci-pated and ready to march forward in a new era of human understanding, allencompassing sympathy and ever-pre-sent help. The era of perfect love of peace passing all understanding."

ISSUE No. 41-'22.

PUT STOMACH IN ORDER AT ONCE

"Pape's Diapepsin" for Gas, Indigestion or

Sour Stomach

Instantly! Stomach corrected! You never feel the slightest distress from indigestion or a sour, acid, gassy ston ach, after you cat a tablet of "Pape's Diapepsin." The mc.nent it reaches the stomach all sourness, flatulence, eart-burn, gases, palpitation and pain isappear. Druggists guarantee each

When Moonlight Falls.

When moonlight falls on the water, t is like fingers touching the chords of a harp

On a misty day When moonligh When moonlight strikes the water cannot get it into my poem— I only hear the water's fingers and the moon's rays

Intertwined,
I think of all the words I love to hear And try to find words white enough For such shining.

St Paul's Cathedral is the fifth argest church in the world



Fishermen and Campers, Quick Relief.

COARSE SALT LAND SALT Bulk Carlots

TORONTO SALT WORKS C. J. CLIFF . TORONTO





Cuticura Quickly Soothes Rashes and Irritations

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R IDOUT & MAYBEE, KENT BE Yonge Street, Toronto, Regis Patent Attorneys. Send for free boo

BELTING FOR SALE

Cascara bark used for me the Oregon forests.

The weight of the Great Pyramid of Egypt has been estimated at 6,000,000

MOTHER!

Your Child's Bowels Need "California Fig Syrup"



Hurry mother! Even a sick child loves the "fruity" taste of Cambridge Fig Syrup" and it never fails to open A teaspoonful to-day may cold, colic, or if stomach is sour, tongue coated, breath bad, remember a good cleansing of the little bowels s often all that is necessary.

Ask your druggist for genuine "Cali-

is often all that is necessary.

Ask your druggist for genuine "California Fig Syrup" which has directions
for babies and children of all ages
printed on bottle. Mcther! You must
say "California" or you may get an imitation fig syrup

FOLLOWED MOTHER'S

Took Lydia E. Pinkham's Vegetable Compound-Now Enjoys Good Health

Kessock, Śaskatchewan.—"My nother has taken Lydia E. Pinkham's Vegetable Com-Vegetable Com-pound and upon learning of my troubles advised me to try it, as I seemed all run down after the flu, and had some trou-bles such as women are apt to have. I have taken Lydia E. Pinkham's Vege-table Compound and Lydia E. Pink-leine and used the

ham's Blood Medicine and used the Sanative Wash. Also Dr. Brown's Capsules and Prescription and am so capsures and Prescription and am so much better in every way. I am willing for you to use my letter as a testimonial as I recommend your medicines."—Mrs. IEEE NELSON, Kessock, Saskatchewan.

When backaches and headaches drive out all ambition, when that bearing-down sensation attacks you, when you are nervous and blue the one great help for such ailments is Lydia E. Pinkham's Vegetable Company

UNLESS you see the name "Bayer" on tablets, you are not getting Aspirin at all



Accept only an "unbroken package" of "Bayer Tablets of Aspirin," which contains directions and dose worked out by physicians during 22 years and proved safe by millions for

Headache Colds Toothache

Neuralgia Lumbago

Rheumatism Neuritis Pain, Pain

Earache Handy "Bayer" boxes of 12 tablets Also bottles of 24 and 100 Druggista Aspirin is the trade mark (registered in Canada) of Bayer Manufacture of Monaceticacidester of Saleysleucid. While it is well known that Aspirin means Bayer manufacture, to assist the public against initiations, the Tableto of Rayer Company will be stamped with their general trade mark, the "Bayer Cross."

It is well to know that Grape-Nuts with good rich milk is a highly nourishing food, providing all the necessary nutritive and mineral elements in proper form for "There's a Reason"

It's a fine thing

but it's a finer thing to know how to get out of trouble after you have gotten into it.

Many people thoughtlessly get into trouble by loading up with heavy, indigestible foods which fail to supply the essential elements for repairing the daily wear on their nerves and body tissues.

to keep out of trouble—

for Grape: Nuts -THE BODY BUILDER

When you hake Grape-Nuts a substantial part of your regular daily diet, Nature will quickly assert herself and build healthy

nerve cells and sound body tissues

Crisp and crunchy Grape-Nuts, made from wheat and malted barley, is a satisfying food for breakfast—a welcome answer to the call of appetite.

The familiar Yellow package contains more nourishment in less bulk

than any other cereal food.

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