MEDICALITIES.

ST. JACOBS OIL
TRADE MARK
THE GREAT REMEDY FOR PAIN
SPRAINS, STRAINS, INJURIES

It is an erroneous idea to suppose that great force is required to produce a strain or sprain. There are so many delicate muscles and tendons which hold together the ankle and foot and direct the vehicle of locomotion, that a very slight thing often causes not only a very painful, but a very serious sprain, which St. Jacobs Oil will cure.

SURELY AND PERFECTLY.
Weak Spots.—A large number of cases is reported of accidents to the ankle or foot, more than to all the rest of the body. The knee is also a very delicate center of action, and injuries thereto very frequently result in acute pains, enlargements, stiffness, and, sometimes permanent stiffness, unless St. Jacobs Oil prevents, and its

BEST CURES ARE CHRONIC CASES.
Definition.—Sprain or strain is to weaken, as a joint or muscle, by sudden and excessive exertion; to stretch muscles or ligaments without dislocation, and St. Jacobs Oil cures

EASILY AND WITHOUT RECURRENCE.
Treatment.—Rub with St. Jacobs Oil freely and thoroughly the part affected. Protect the body from cold and draft.

THE CHARLES A. VOGELER CO., Baltimore, Md.
Canadian Depot: Toronto, Ont.

I FEEL BUOYANT

"Am happy to say that results so far are as satisfactory as I could expect, indeed much more so than I did expect. I am enjoying excellent health, appetite good, sleep sweet and refreshing, gaining flesh; am less nervous than I have been for years; feel bright and bouyant * * * It is almost miraculous, making a young man out of one of seventy, for that is just what your treatment is doing for me. I wish the community to know in as modest a way as we can get at it."

The above is No. 54 in a collection of over 2,000 similar letters on file in our office. We have a

POSITIVE CURE!

For LOST or FAILING VITALITY; General and NERVOUS DEBILITY; Weakness of Body and Mind, Effects of Errors or Excesses in Old or Young. How to enlarge and Strengthen WEAK, UNDEVELOPED ORGANS AND PARTS OF BODY. Absolutely unfailing HOME TREATMENT—Benefits in a day. Men testify from 50 States and Foreign Countries. Write them. Descriptive Book, explanation and proofs mailed (sealed) free. Address

ERIE MEDICAL CO., BUFFALO, N.Y.

GAIN ONE POUND A Day.

A GAIN OF A POUND A DAY IN THE CASE OF A MAN WHO HAS BECOME "ALL RUN DOWN," AND HAS BEGUN TO TAKE THAT REMARKABLE FLESH PRODUCER,

SCOTT'S EMULSION

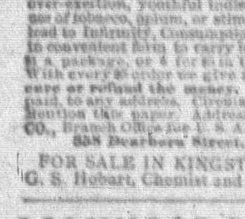
OF PURE COD LIVER OIL WITH Hypophosphites of Lime & Soda IS NOTHING UNUSUAL. THIS FEAT HAS BEEN PERFORMED OVER AND OVER AGAIN. PALATABLE AS MILK. ENDORSED BY PHYSICIANS. SCOTT'S EMULSION IS PUT UP ONLY IN SALMON COLOR WRAPPERS. SOLD BY ALL DRUGGISTS AT 50C. AND $1.00.
SCOTT & BOWNE, Belleville.

BURDOCK
Regulates the Stomach Liver and Bowels, unlocks the Secretions, Purifies the Blood and removes all impurities from a Pimple to the worst Scrofulous Sore.
BLOOD
CURES
DYSPEPSIA. BILIOUSNESS. CONSTIPATION. HEADACHE. SALT RHEUM. SCROFULA. HEART BURN. SOUR STOMACH. DIZZINESS. DROPSY. RHEUMATISM. SKIN DISEASES.
BITTERS

Cook's Cotton Root COMPOUND.

A recent discovery by an old physician. Successfully used monthly by thousands of LADIES. Is the only perfectly safe and reliable medicine discovered. Beware of unprincipled druggists who offer inferior medicines in place of this. Ask for COOK'S COTTON ROOT COMPOUND, take no substitute; or enclose $1 and 4 three-cent Canadian postage stamps in letter, and we will send, sealed, by return mail. Full sealed particulars in plain envelope, to ladies only, 2 stamps. Address **Pond Lily Company**, No. 3 Fisher Block, 131 Woodward ave., Detroit Mich. Sold in Kingston by all responsible wholesale and retail druggists.

MANHOOD RESTORED.



Before & After Use.
Photographed from life.

"SANATIVO," the Wonderful Spanish Remedy, is sold with a Written Guarantee to cure all Nervous Diseases, such as Weak Memory, Loss of Brain Power, Headache, Wakefulness, Lost Manhood, Nervousness, Lassitude, all drains and loss of power of the Generative Organs in either sex, caused by over-exertion, youthful indiscretions, or the excessive use of tobacco, opium, or stimulants, which ultimately lead to Infirmity, Consumption and Insanity. Put up in convenient form to carry in the vest pocket. Price $1 a package, or 6 for $5 in Canadian or U.S. Money. With every $5 order we give a written guarantee to cure or refund the money. Sent by mail, all duties paid, to any address. Circular free in plain envelope. Mention this paper. Address MADRID CHEMICAL CO., Branch Office for U. S. A. 358 Dearborn Street, CHICAGO, ILL.

FOR SALE IN KINGSTON, ONTARIO, by G. S. Hobart, Chemist and Druggist.

MANHOOD RESTORED
Young and middle-aged men suffering from errors of youth, excesses, sexual weakness, etc., positively cured for **five dollars**. Our remedies are in pill and tablet form, sufficient for **two months' treatment**, which will effect a perfect cure. Upon receipt of five dollars will be sent to any address in plain sealed package by mail. Circular free. Address
YALE CHEMICAL CO., 112 Wisconsin St., Milwaukee, Wis.

NERVOUS DEBILITY.
Exhausting Vital Drains (caused by early indiscretions) effectually cured. Diseases of the Kidneys and Bladder, Piles, Varicocele, Impotency, Syphilitic Affections, Unnatural Discharges and all diseases of the Genito-Urinary Organs a specialty. It makes no difference who has failed to cure you. Call or write. Consultation free. Medicines sent to any address. DR. REEVE, 345 Jarvis Street, Toronto.

MISS L. MEEK, CONTRALTO SOLOIST, student of New England Conservatory of Music, Boston. Teacher of piano forte and singing. For terms, dates, etc., 344 Sydenham st.

SOME STAGE SCIENCE.

THUNDER, LIGHTNING AND SNOW FOR AMATEUR THEATRICALS.

How to Make Stage Properties at Small Cost—A Mechanical Moon, Puffing Engines and Tolling Bells—The World of Science in Paragraphs.

Edward Marshall writes, in the Buffalo Times, that one reason why amateur theatricals often lack effectiveness is that too little attention is given to the details of stage accessories or "properties." This is largely due no doubt to lack of knowledge, but is also often attributable to neglect—a feeling that such minor matters are not worth bothering with. No mistake could be greater. This is fully recognized on the professional stage (as is shown by the growth of "stage realism"), and the sooner amateurs learn it the sooner will they give creditable performances.

FIG. I.—THE THUNDER BOX.

Of course it is not possible or expected that amateurs can vie with professionals in this line, because of the expense; but there are many little details which may be attended to at small cost.

A little while ago I was present at an amateur performance in a Massachusetts town. It was given under the auspices of a school. The actors had been carefully trained in their parts and played them surprisingly well. But the strongest comedy scene in the play was ruined by lack of attention to mechanical details. A thunderstorm was supposed to be in progress at night, and the heroine alternately refused to marry the hero and clung to him in a desperation of fright over the shocks and lightning. She acted her part very well indeed, but the thunder was so poorly imitated that the audience failed to comprehend at first why she acted as if she were scared, and there wasn't any lightning at all.

FIG. II.—MAKING STAGE LIGHTNING.

It would have been a very easy matter to make good stage thunder by spending a dollar, if the amateurs had only known it, and ten cents would have furnished stage lightning enough for a whole summer's storms.

There are many ways of producing stage thunder, but the ones here outlined are the simplest and as good as any. Buckshot may be dribbled through the fingers and dropped from as great a height as possible on a big piece of tin suspended a few inches above the floor. A half pound stone or chunk of metal of like weight should at irregular intervals be dropped with the shot to imitate the heavier claps. This plan, I believe, was the first one invented.

A much simpler and equally effective scheme is to have a sheet of tin as large as possible suspended from the ceiling behind the scenes. By grasping its lower edge and shaking it—slightly for the distant sound and violently for the heavy roll—a splendid imitation of thunder is obtained. This plan is in use in dozens of the first class theatres to-day.

But the best arrangement that has come under my notice was brought to America by the Duke of Saxe-Meiningen's company of German actors. The cut (Fig. 1) shows what it is. They called it a thunder box. In the upper compartment there are confined a number of metal balls of varying size—the more the better. By pulling the catch at the side these balls are released, a few at a time, and allowed to roll down the box, striking each inclined projection in turn. The imitation of thunder thus obtained is startlingly perfect. At the Thalia theater, in New York, where this contrivance was first used in America, the boxes reached from cellar to garret, thus giving a prolonged and graduated peal; but when a few nights ago I saw a similar arrangement used by amateurs in a private house, a box long enough to extend from one upper corner of the room diagonally down to the opposite lower corner was sufficient to make very realistic stage thunder. Any carpenter would build a rough box of this kind for four or five dollars.

FIG. IV.—THE MOON BOX.

A very effective flash of stage lightning may be produced by putting a pinch of magnesium powder in a penny blowpipe and puffing it through the flame of a gas jet or candle in the wings. (See Fig. 2.)

After thunder and lightning, snow storms are the natural phenomena most likely to be called for in plays. They are easily imitated. Make bags like the one pictured in the cut (Fig 3), and six or eight feet long. They have large slits in their bottoms. One of those should be hung in the flies behind each border except that nearest the audience. These bags should be filled with small pieces of white paper cut in irregular shapes. Lines should run from the bags to a convenient point behind the scenes. When, by means of these lines, the bags are shaken the clipped paper will fall through the slits and float gracefully downward precisely as snowflakes do. If an actor is supposed to make an entry into an interior after having been out in a snowstorm, table salt sprinkled on his hat and shoulders will make a very good substitute for snow.

The whistling of the wind may be counterfeited in any one of a dozen ways. The most admirable arrangement I ever ran across consisted of a darky, who stood in the wings of a Rochester (N. Y.) theater whenever they wanted the wind to whistle and forced the air through his teeth in a peculiar way. The darky could shriek like a sweeping cyclone, or blow like the breath of a summer breeze as it wafts across the slowly shifting sands of Wamscossett. A substitute for the darky can be made by running a fine, hard cord over two wheels, as a band is run over the pullies of a machine. When the wheels are whirled a [illegible] like that of the wind will be [illegible] which will raise or lower in pitch [illegible] as the wheels are turned slowly or fast.

The puffing of a locomotive may be counterfeited by rubbing stiff wire brushes together.

An iron crowbar suspended behind the scenes makes a good substitute for a tolling bell or striking clock, when struck with another piece of metal.

A rising or setting moon may be imitated by putting a bright light (a kerosene lamp with a good reflector will do) behind a disk of yellow paper in a slide arranged with pulleys, as shown in Fig. 4, behind a gauze black cloth.

For a moonlight scene a bluish light should be thrown over the whole stage. If the club can afford to hire a calcium or lime light man to take charge of lighting their stage during their performances the whole matter can be safely left in his care, but the average amateurs don't care to go to so much expense. Any careful member of the club can light a small stage well enough by using a powerful kerosene lamp with a reflector. Slides made of frames covered with oiled tissue paper of various colors are reasonably good substitutes for the gelatine slides of the professional stage. If only one light is used it should be placed as high above the floor as can be arranged, so as to shorten the shadows, but the best plan is to have a light on each side of the stage in the second entrances, i. e., behind the second wings. Each light will then nullify the other's shadow.

Shadows on the stage should be carefully avoided. Strong light should never be thrown from in front of the stage when an outdoor scene with a back cloth in perspective is in use, as such a light would throw black shadows of the actors across what is supposed to be acres of territory extending back of the scene of action. The regulation light for fairy scenes is rose colored, for cozy, firelit interiors a warm yellow tinged with red, for bright sunlight, white tinged with yellow, and for moonlight scenes, cold white slightly tinted with blue. Green lights should be avoided. Their effect is always ghastly and unpleasant.

The effect which colored lights will have on the costumes of the players should always be considered. A strong blue light, for instance, will change a red costume

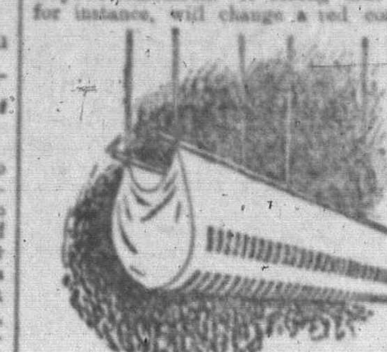


FIG. III.—THE SNOW BAG.

to purple and a yellow dress to green. In fact, the mixing of colored costumes and colored lights on the stage will have practically the same effect as the mixing of paints of corresponding colors would have on a palette.

It is attention to these little details that gives a performance finish and elegance.

THE WORLD OF SCIENCE.

The Merest Mention of Great Matters in the World's Progress.

The zone system of railway tariffs is to be tried in Italy.

Several new brine springs have been recently discovered in upper Silesia.

It is said that the manufacture of the watch embraces more than 2000 distinct and separate operations.

Whispers can be transmitted 500 miles by the new telephone which, it is said, the Bell company has just perfected.

In 1888, India had only 82,000 miles of telegraph established. Last year the mileage had increased to 113,000 miles.

Boring for coal in Kent, England, has been successful, fourteen feet six inches of coal in six seams having been discovered.

What is said to be the largest ammeter ever made is being constructed for a Brooklyn aluminium company. It will indicate 5000 amperes.

It is reported that an English ship-building firm has received an order for a steamship to carry 9000 tons cargo, the largest freight vessel yet constructed.

Pearl mussels in Saxony are pried open by a special instrument which does not injure them. If found not to contain pearls the mussels are restored to the water.

A flour mill in St. Paul is to be run entirely by electricity, a local genius having invented a process for manufacturing the article which will require electrical machinery.

At a recent meeting of iron and steel roofers it was stated that at least 50,000 tons of sheet iron was converted into building material last year, an output valued at $3,500,000.

Germany comes forward with a sailing ship 310 feet long, with a carrying capacity of 4,500 tons, to add to the list of large sailing crafts. The ship was launched at Geestemunde on December 15.

A syndicate of English capitalists has requested permission of the Argentine Government to explore the coast of Patagonia for minerals, which are believed to exist in that region in considerable quantities.

A new regenerative gas lamp has been invented by an Englishman, the novelty being that it is practically wind-proof, having inner and outer air chambers arranged outside the ordinary regenerator.

A number of large tanks for the storage of petroleum are being built at Barrow-in-Furness, England. They will be shipped in sections to Japan, where they will be set up and used to receive oil from tank ships.

A pleasing effect was obtained at a recent banquet given to the Admiral of the French fleet by having the table made of glass, beneath which were numerous incandescent lamps of red, white, and blue.

One of the big collieries in Yorkshire, England, has been compelled to suspend operations on account of an epidemic of pink-eye, which is carrying off the horses of the company at the rate of four or five daily.

A German inventor has devised a clock-train that chimes the quarters in double sounds and the hours in single sounds, the train requiring only a few more parts than that of the rack-striking work of an ordinary clock.

The northern part of Peru contains large fields of petroleum, which a British company is making preparations to refine and ship in large quantities. Several factories at Callao are making arrangements to use the crude oil for fuel purposes.

Experiments are being made on Dutch railroads with a series of three lights to determine the motion of trains. When standing the trains show three lights, but when in motion only two of the lights are continuously visible, the third shining only every alternate three seconds.

Prof. Austin gives the Royal Society of Great Britain an account of his discovery of a new alloy of gold and aluminium which is said to be the most brilliantly colored combination yet made. It has a fine purple color with ruby tints where the light is reflected from one surface of the alloy to the other.

A recent invention is that of a small tool for straightening the teeth of the Garnett card clothing. A number of flat bars are arranged in a handle so as to leave a space between them by making the intermediate strips shorter than its neighbors. The spaces are just large enough to fit over the teeth, which can be straightened rapidly.

Preparing For Spring.

Twenty tons of new spring goods have arrived from the old country markets, including carpets, oil-cloths, curtains, laces, sateens, table linens, towels and towellings, silk and alpaca umbrellas, parasols, cashmere hosiery, ladies' waists, Axminster and Wilton rugs, dress good, cashmeres, henriettas, etc. We are better prepared than ever to meet the requirements of the coming spring trade and have made up our minds to do a rousing business if low prices and big bargains will do it. Don't forget us if you want to furnish your house anew or yourself with a new outfit. We are bound to give bargains. R. McFaul.

It Worked.

At a matinee performance in one of the theatres yesterday afternoon a little man who sat in the parquet leaned forward and spoke in a loud whisper to the lady sitting on the seat directly in front of him:

"Fan," he said, "I wish you would take off that blooming hat of yours. I can't see a thing that's going on."

"Sir!" haughtily exclaimed the lady, turning round.

"I beg your pardon," rejoined the little man in the same loud whisper, "I thought you were my sister. She has a hat exactly like that one you've got on."

He leaned back in his seat and serenely resumed his attempt to stretch his neck so as to see over that hat.

And it wasn't two minutes till she took it off with a jerk and laid it in her lap.—Chicago Tribune.

Consumptives!

Do not give up until you have tried Miller's Emulsion of Cod Liver Oil, which makes flesh and blood, is a positive cure for coughs and cold, bronchitis, sore throats, and all lung troubles tending to consumption. Persons have been known to gain from five to ten pounds in weight by taking one bottle of Miller's Emulsion of Cod Liver Oil, which contains hypophosphites of lime and soda. In big bottles, 50c and $1. Wade's drug store.

In the Coming School.

Parent—"My boy Sammy doesn't seem to be learning anything about figures. He can't do the simplest example in addition."

Teacher—"Your boy Sammy is one of the brightest pupils I have, Mr. Wiggles. He can mend a hole in a tin-pan, as well as a regular tinner, go through the newly imported Danish exercise in calisthenics without a single mistake, put an invisible patch on an old shoe, take a watch to pieces and put it together again, tie a sailor's knot, do a chess problem, and putty a pane of glass in a window as neatly as a glazier can."

"But he doesn't seem to know anything about reading, writing, and spelling."

"My dear sir, we don't teach those studies any more."

Great slaughter sale of boots and shoes at Armstrong's.

THE HOUSEHOLD.

Cloth Tweeds!

We have just received our new importation of

CLOTHS AND TWEEDS

Latest American Shades and Patterns.

JNO. TWEDDELL
One Door Below City Hotel.

$25 FOR THE RIGHT ARTICLE WHEN YOU WANT IT. $25

We mean just here to say to those who have Croupy Babies prevent and cure it by using Wilson's Cough Balsam. It is an excellent and efficient cure for all kinds of Colds and Coughs.

WILSON'S PHARMACY.

$25 Is such a cure fit for croup not worth more than $25 when you want it in a hurry? $25

RINGS.
All kinds in stock or made to order.
JEWELLERY REPAIRED IN THE BEST POSSIBLE MANNER.
Watch and Clock Repairing.
It does not matter how much trouble you have had with your watch we guarantee to make it right for you.
—PRICES RIGHT AT—
W. J. ARNIEL'S, 339 KING STREET, KINGSTON.

DINNER SETS.
English, Granite, Elegant Printed Patterns, and any color you wish.
Complete Set 100 pieces. $7 and $7.50.
ROBERTSON BROS., PRINCESS STREET.

KENNY'S HAIR RESTORER!
THE WONDER OF THE AGE.
Prepared from a Prescription of a Celebrated East Indian Physician.
This preparation has no equal. It makes the hair grow on bald heads like magic, stimulates the scalp to healthy action, keeps the head beautiful and cool, removes dandruff, strengthens and prevents the hair falling out, keeps it soft and silky, and gives it a beautiful glossy appearance. Manufactured only by Sergt.-Major J. Kenny, late Royal Artillery, 11 Waterloo Avenue, Toronto. Sold by druggists and manufacturers at 50c and $1 per bottle or six bottles for $5. Liberal discount allowed the trade. Circulars supplied on application.

STOVES AND RANGES.
Our line of Stoves and Ranges are of the late improvement. We guarantee every Stove to give satisfaction. Our line of
Parlor & Hall Heating Stoves,
With and without ovens, takes the lead. Call and examine the Art-Amherst before purchasing.
ELLIOTT BROS., 75 and 77 PRINCESS STREET. Telephone 35.

BUILDERS & CONTRACTORS
It will pay you to buy your Hardware, Paints, Oils, Glassware and Portland Cement from
THE CHEAP HARDWARE HOUSE.
H. D. BIBBY, 335 and 337 King Street.

A Wonderful Nutritive Luxury
ADAMS' NERVE FOOD TABLET
FOR all Nervous Complaints and Dyspepsia, from whatever cause arising. Sold by all Druggists in 10c. package, or sample box will be sent postpaid to any address on receipt of price (50 cents) by addressing—
ADAMS & SONS CO., 11 & 13 Jarvis St. TORONTO, ONT.

LADIES
"MOTHER GREEN'S TANSY PILLS," used successfully by thousands, safe and sure. Act only on the generative organs, and sure suppression from whatever cause. Should not be used if Pregnancy is suspected or possible, until the question is negatived beyond dispute, as their employment will be attended with different results than those desired. By mail, $1.00. Full particulars (sealed) 3 cts. THE LANE MEDICINE CO., MONTREAL, CANADA.
FOR SALE BY HENRY WADE.

HARTSHORN'S SELF-ACTING SHADE ROLLERS
Beware of Imitations.
NOTICE AUTOGRAPH OF Stewart Hartshorn ON LABEL AND GET THE GENUINE HARTSHORN

IF YOU WANT
CHEAPEST AND BEST FURNITURE
Of all descriptions. Call at
H. BRAM'S,
Princess street, corner of Sydenham street, Kingston.

NERVE BEANS — NERVE BEANS are a new discovery that cure the worst cases of Nervous Debility, Lost Vigor and Failing Manhood; restores the weakness of body or mind caused by over-work, or the errors or excesses of youth. This Remedy absolutely cures the most obstinate cases when all other TREATMENTS have failed even to relieve. Sold by druggists at $1 per package, or six for $5, or sent by mail on receipt of price by addressing THE JAMES MEDICINE CO., Toronto, Ont. Write for pamphlet. Sold in—
Sold in Kingston at Wade's Drug Store, Agency for Miller's Emulsion.

REAL ESTATE AGENCY.
PARTIES WISHING TO BUY OR SELL REAL ESTATE, RENT HOUSES, Etc., will do well to consult M. S. Scobell's Real Estate Agency, KING STREET, next door to Dominion Express Office. COLLECTING RENTS AND RENTING HOUSES a specialty.

GROCERIES AND PROVISIONS

BARNETT & ELICHAGARAY,
(FORMERLY BARNETT & FILS)
COGNAC, : FRANCE,
A CHOICE GRADE OF
V. S. O. P. BRANDY
And the Finest Imported.
Walter R. Wonham & Sons, MONTREAL,
Successors to Henry Chapman & Co., Sole Agents in Canada.

GILLETT'S
PURE POWDERED 100% LYE
PUREST, STRONGEST, BEST.
Ready for use in any quantity. For making Soap, Softening Water, Disinfecting, and a hundred other uses. A can equals 20 pounds Sal Soda.
Sold by All Grocers and Druggists.
E. W. GILLETT. Toronto.

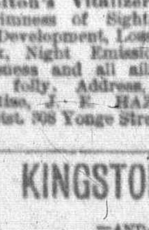
McLAREN'S CELEBRATED
COOK'S FRIEND BAKING POWDER
Has No Superior in Purity, Healthfulness and Economy.
It is distinguished from alum powder by the bread, etc., made with it, having no tendency to dry up.

CALIFORNIA
Seedless Oranges,
Florida Oranges,
Messina Oranges,
Seville Oranges for Marmalade.
Blood Oranges next week,
W. H. Carnovsky,
Headquarters Oyster Depot,
Telephone 21 ON THE SQUARE.

THERE IS NOTHING EQUAL TO OUR
HOME-MADE LEMON AND ORANGE
Marmalade.
Jas. Redden & Co

TORONTO FLOUR STORE
Choicest Grades of Pastry and Family Flour always on hand; Graham Flour, Rolled Oats, Rolled Wheat, Cracked Wheat, Germ Wheat, Oatmeal and Cornmeal; Seeds in season.
W. J. McNeil, Brock Street.

F. NISBET, BOOKSELLER & STATIONER.
DAVID GRIEVE.
Mrs. Ward's Powerful Novel.
The History of David Grieve.
BY MRS. HUMPHRY WARD, Author of "Robert Elsmere, Etc. 12mo., cloth extra. $1.00.
"There are periods of sustained power and of dramatic perfection superior to anything in 'Elsmere,' and indeed achieved by a few writers in modern fiction."—*The Critic.*
"Artistically speaking 'The History of David Grieve' is a far more perfect work than 'Robert Elsmere,' and its originality is so marked and its discussion of vital topics in contemporary morals is so fearless that it is sure to be widely read."—*Boston Beacon.*
F. Nisbet,
CORNER BOOKSTORE.



ERRORS OF YOUNG AND OLD.
ORGANIC WEAKNESS, FAILING MEMORY, LACK OF ENERGY positively cured by Hazelton's Vitalizer. Also Nervous Debility, Dimness of Sight, Loss of Ambition, Stunted Development, Loss of Power, Pains in the Back, Night Emissions, Drain in Urine, Sleeplessness and all ailments brought on by youthful folly. Address, enclosing 3c stamp for treatise, J. E. HAZELTON, Graduated Pharmacist, 308 Yonge Street, Toronto.

THE KINGSTON FOUNDRY
—AND—
MACHINERY WORKS.
Marine Engines, Boilers and Steam Engines of all Kinds.
MILL WORK AND GENERAL CASTING
MANUFACTURERS OF THE WELL KNOWN "KINGSTON" PROPELLER WHEEL.
REPAIRS PROMPTLY ATTENDED TO
L. B. Brock, President; R. C. CARTER, Vice President. Telephone No. 283.
J. H. TAYLOR, Manager and Secretary.

NEW MUSIC!
Happy Steps Polka,
A Student's Dance,
Brigade Lancers,
Song of the Steeple,
Amorosa Waltz,
See the Royal Cadet
Sherlock's New Music Store,
188 Wellington-st., formerly Vandewater's.

KINGSTON RUBBER STAMP CO
RUBBER STAMPS, DATERS, SEALS, Stencils and Stamps of every description can be secured promptly from the Kingston Rubber Stamp Company. J. OFFORD, Manager, Whig office.

SCIENCE AND PROGRESS.

THE POSSIBILITIES OF THE UNHARNESSED POWER OF NATURE.

Artificial Stone for Paving—The Thinness of a Bubble—A Believer in System—Within a Year of Starvation—Short Notes on Progress.

One of the greatest scientific authorities, Professor Crooks, of England, now tells us that it has been computed that in a single cubic foot of the ether which fills all space, there is a store of 10,000 foot-pounds of energy which has hitherto escaped notice; and that the latest researches warrant the expectation that this vast and hitherto inaccessible store of energy will one day be made readily available. Different steps toward this end are being taken in all the scientific countries.

At Clark University, at Worcester, Mass., the electric state of the atmosphere is continually measured by an electrometer and a Thompson "water dropping collector," the results being registered as a curve on photographic paper.

An experiment of much importance regarding atmospheric electricity, recently carried out in England by Mr. Alexander McAdie, looks directly to the same purpose,—though it takes us back to begin again at the very infancy of electrical science; for, though the conditions were somewhat different, the operation was substantially identical with Franklin's experiment with kite. Mr. McAdie, however, has demonstrated something further,—which is, that electricity can be drawn from a kite high in a cloudless sky.

This experimenter also measured the electrical discharges from the lower end of an insulated wire connected with the kite, by means of an electrometer at the point where the wire reached the earth. So nearly did the quantity of electricity correspond to the height of the kite above the earth that it could usually be determined whether the kite was rising or falling by simply looking at the needle of the electrometer. The discharge sparks, varying in frequency according to the altitude of the kite, also demonstrated to the eye the reality of the electric current. From these facts it is not difficult to conceive of procuring by means of a balloon equiped with collectors of electricity, a current of some degree of efficiency.—Practical Electricity.

Science Squibs.

A cubic foot of newly fallen snow weighs 5½ pounds, and has twelve times the bulk of an equal weight of water.

Wood that has been treated so as to give it a metallic polish is being used in Germany for decorative purposes instead of metal. The process employed consists in treating the wood to baths of various chemical substances, and then polishing with lead, tin or zinc.

The extensive peat bogs of Germany and other Continental countries are now being worked with a view of obtaining an elastic fibre, which, when free from dust, is used in weaving carpets and other textile fabrics. Formerly this material was only employed for fuel purposes.

A Glasgow chemist has discovered a new method of producing cyanide that is one-third of the present cost of manufacture. The cheapening of this important product will have an important bearing on gold production, as it will enable many low-grade ores to be worked with profit.

The introduction of indicators to tell the pressure or head of water in the reservoir at any time during the night or day has resulted in a great saving of time and money in the operations of water works. These tell-tales can be located at any distance from the engine-room, and are arranged to ring a bell at any maximum or minumum pressure desired.

The Thinness of a Bubble.

The most powerful microscopes, render visible a point about 1—100,000 part of an inch in diameter. There is reason for believing that a single molecule is much smaller even than that. One reason for this has been deduced from the soap bubble. Scientists have measured the thickness of the envelope of soapy water enclosing the air of the bubble when it had become so thin as to produce rainbow tints. At the appearance of the shade of violet it was one-fourth the thickness of the length of an ordinary violet wave of light—one-sixty-thousandth of an inch, thus making the thickness equal to one two-hundred-and-forty-thousandth of an inch. As the bubble continued to expand a black patch formed adjacent to the pipe from which the bubble was being blown, and the thickness of such patch has been found to be only one fortieth of the thickness of the violet section, or about one-fifty-millionth of an inch.—Electricity.

A Believer in System.

"Brick" Pomeroy is the most methodical man I ever knew. He has a perfect system of business, or about as nearly perfect as weak human nature can get things. Among other things he has a complete register of business letters received for years—some nineteen thousand odd—and can refer to any letter of the lot on any subject within half a minute. He says a clear system rigidly adhered to will enable one man to do as much in a given time as two or three men can do in the usual way. Besides this, when business grows it still gives that one man complete mastery of the details without overtaxation of the powers of endurance. In the language of a celebrated lawyer he finds it more valuable to know where to look for anything than to remember what it is.—New York Herald.

"Brick" is a Canadian and learned his trade in the defunct Guelph Advertiser.

Artificial Stone For Paving.

A new artificial paving stone, which can be made in seven days, although an interval of a few months between mixing and laying is preferable, has been introduced in England with good results. The adamant stone, so called, is made of two parts of finely crushed Aberdeen granite, and one part of Portland cement, the two being mixed with water. The materials, when mixed, are placed in a mold and subjected to great hydraulic pressure. The stone produced is said to be of a dense non-porous nature, free from air cavities, and therefore proof against the action of frost. It is stated to be suitable for all kinds of paving and building purposes, and to be able to resist double the pressure of some other stones.

Within a Year of Starvation.

The entire capital in the richest nation or state, consisting of railways, mills, factories, workshops, and dwellings, together with all the goods and wares of every kind—comprising all that has been saved in a useful form, aside from opening of the ways, the clearing of the land and bringing it into productive condition—will not exceed three or possibly four years production; in most states it is less. If all could be reconverted into food, fuel, and clothing, and the world should rest wholly from work, all would be consumed in two or three years. In respect to food, the world is always within a year of starvation, yet there is always enough somewhere.—Popular Science Monthly.

An Excellent Idea.

In some of the Western towns a movement is on foot to establish clubs among the country women, where it is believed a higher mental development is possible than in the city, because no other form of recreation will distract attention. The plan is to divide each county into sections and organize a woman's club in each section. These country clubs will co-operate with those in the cities for the interchange of ideas and the forming of friendships mutually beneficial.—New York Sun.

Firewood in Plenty.

Come down and see our stock of best maple, cut or uncut, arriving weekly by Kingston and Pembroke. Best dry slabs in the city. Pine and cedar blocks and Gilmour's dry edgings for kindling wood. All cheap for cash. James Campbell, opposite barrack gate, Ontario street. Telephone No. 118.

Wyman's Catarrh Cure

Is the surest and best remedy for catarrhal troubles known. Quick in its action, healing and soothing. The sick can obtain instant relief by the use of this incomparable medicine. Wilson's Pharmacy.

The action of Carter's Little Liver Pills is pleasant, mild and natural. They gently stimulate the liver, and regulate the bowels, but do not purge. They are sure to please. Try them.

YOU
Make no Mistake in Buying from us.

Dress : : Materials

UP TO DATE — We have received a Very Large Assortment of New Spring Dress Goods and Many Novelties.
JOHN LAIDLAW & SON.

ONE CHANCE ONLY

Well, I have done all I can and I think he is over the worst stages of the disease, BUT, said the DOCTOR, you know the greatest danger comes from the weak condition in which La Grip has left him. However, there is ONE CHANCE MORE, try *ALE AND BEEF PEPTONIZED.* It is a wonderful, stimulating, nutritive Tonic and Food and has never failed me yet. Send around quick. It can be got at any Drug Store.

IN USE 100 YEARS
THE POOR MAN'S FRIEND.
DR. ROBERTS' OINTMENT,
SKIN DISEASES. SKIN DISEASES. SKIN DISEASES. SKIN DISEASES. SKIN DISEASES.
THIS VALUABLE OINTMENT as originally prepared by G. L. ROBERTS M.D., is confidently recommended as an unfailing remedy for Wounds of every description. Chilblains, Scorbutic Eruptions, Burns, sore and Inflamed Eyes, Eczema, &c.

DR. ROBERTS' ALTERATIVE PILL
For the Blood and Skin.
SKIN DISEASES. SKIN DISEASES. SKIN DISEASES. SKIN DISEASES. SKIN DISEASES. SKIN DISEASES. SKIN DISEASES. SKIN DISEASES.
They are useful in scrofula, scorbutic complaints, glandular swellings, particularly those of the neck. They are very effectual in the cure of that form of skin disease which shows itself in painful cracks in the skin of the hands and in all scaly diseases. They may be taken at all times without confinement or change of diet.
Sold at 1s. 1½d., 2s. 9d., 11s and 22s. each, by the Proprietors, Bridport, Eng.

GENERAL CARDS.

GEORGE CLIFF, THE GENERAL REAL Estate Agent, makes a specialty of taking care of estates, letting houses, collecting rents, buying and selling city properties. Parties wishing to buy or sell houses or lots should call at the Headquarters for Real Estate, opposite the Post Office.

MONEY TO LOAN IN LARGE OR SMALL sums at low rates of interest, on City and Farm Property. Loans granted on City and County Debentures. Apply to THOMAS BRIGGS, Manager, Frontenac Loan and Investment Society. Office opposite the Post Office.

KINGSTON—OTTAWA HOTEL, CORNER of Ontario and Princess Streets. First-class accommodation; yard and stabling. JAMES NORRIS, Proprietor.

J. HALLIGAN & CO., 53 BROCK STREET. Family groceries, imported wines, liquors and cigars.

DENTAL.

R. E. SPARKS, D.D.S., L.D.S., M.L., DENTIST. Office—230 Princess Street. Residence—132 Gordon Street. Office hours 8 a.m. to 6 p.m. Saturday evening 7 to 9 o'clock. Telephone.

L. CLEMENTS, L.D.S., DENTIST, DIRECTLY opposite the Post Office, Wellington Street, Kingston. Established in 1857. Telephone No. 237.

A. STACKHOUSE, L.D.S., DENTIST, CORNER Princess and Bagot Streets. Telephone No. 165. Porcelain process.

LEGAL CARDS.

HENRY T. SHIBLEY, B.A., BARRISTER Solicitor, Conveyancer, etc. Office, 44 Clarence Street, fourth door below British American Hotel. Money to loan on real estate.

JOHN STRANGE, LL.B., SOLICITOR, &c. Office—Clarence Street, opposite the Post Office. Money to loan at lowest current rates.

ROBERT SHAW, BARRISTER, SOLICITOR, Conveyancer, etc. Office—Corner of King and Brock Streets, over Wade's Drug Store.

H. V. LYON, B.A., BARRISTER, SOLICITOR, Notary, etc. Office—Over King's Drug Store, King Street.

HORSE LIVERY.

McCAMMON BROS., KINGSTON HORSE Exchange, Livery and Boarding Stables, corner of Brock and Bagot Streets. A new and stylish outfit of vehicles and excellent horses. Charges moderate.

T. C. WILSON, 120 CLARENCE STREET, the largest and longest established livery in the city. Telephone No. 179. Vehicles ready at a moment's notice.

ELDER BROS. NEW LIVERY, WELLINGTON street. First-class rigs will always be on hand on the shortest notice.

F. A. BIBBY, 129 BROCK STREET, THE leading hack and livery stable in the city. Telephone No. 201.

ARCHITECTS.

WM. NEWLANDS, ARCHITECT AND APpraiser, corner of Brock and King Streets, over Wade's Drug Store. Entrance on King Street, next to Whig office.

GILLEN & GILLEN, ARCHITECTS, SUCcessors to R. Gage. Office—Corner of Brock and Bagot Streets.

POWER AND SON, ARCHITECTS AND Building Surveyors. Office—Wellington Street, Kingston.

ARTHUR ELLIS, (Member of the Ontario Association of Architects) ARCHITECT AND APPRAISER. Offices: 81 Brock Street Kingston, Ont.

MUSICAL.

A. H. HOWELL, ORGANIST QUEEN ST. Methodist Church, gives lessons in Piano Forte and Organ playing. Residence: 280 Queen street, opposite Queen street Church.

INSURANCE.

SECOND TO NONE
SCOTTISH UNION
—AND—
National Fire Insurance Co'y,
Of Edinburgh, Scotland.

Capital, - - -	$30,000,000
Total Assets, - -	39,109,332
Invested Funds, -	18,852,332
Invested in Canada, -	1,466,579

C. H. MARTIN, GENERAL AGENT.
J. P. ORAM, Special Agent, 86 and 88 Brock Street.

"TIME IS MONEY."
NOW IS THE TIME YOU CAN SAVE MONEY BY INSURING WITH
A. DUNCAN REID,
who represents some of the oldest and strongest companies in existence. Obtain our rates and be CONVINCED. Fire Companies noted for prompt and liberal settlement of claims. Life and investment policies issued on terms which cannot be equalled.
N.B. RELIABLE ASSISTANT AGENTS WANTED.

Atlas Assurance Co'y
OF ENGLAND.

Capital	$6,000,000
Total Assets	9,000,000
Claims paid exceed	55,000,000

The funds of this company are exceptionally large in proportion to its liabilities.
Fire risk accepted at low rates.
J. S. R. McCANN, Agent.

THE ÆTNA INSURANCE CO.
HARTFORD, CONN.

Cash Capital	$4,000,000 00
Total Assets	10,457,497 04
Losses paid in 72 years	66,271,000 00

For prompt settlement of losses and equitable dealing with policy holders this company stands unrivalled.
J. GOODNOW, President. W. B. CLARK, Vice President; JAMES F. DUDLEY and W. H. KING Assistant Secretaries.
JAMES SWIFT, Agent.

BE SAFE.
NORWICH UNION FIRE INSURANCE SOC'Y OF NORWICH, ENGLAND,
ESTABLISHED 1797. — CAPITAL $5,500,000
Head office for Canada, Toronto.
All Losses Liberally Adjusted and Promptly Paid.
T. Y. GREET,
Manager Ontario Bank, Agent for Kingston. Also Agent for other first class companies—Fire, Life and Accident.

Insurance, Real Estate, Money to Loan.
FIRE, LIFE, ACCIDENT AND PLATE GLASS INSURANCE at lowest current rates, in reliable companies. *Special facilities for placing large lines.* THE SUN LIFE ASSURANCE COMPANY, one of the leading Canadian Companies, issues a purely unconditional policy. This company wrote up $4,012,516 of life insurance during 1891. *MONEY TO LOAN*—Large loans and building loans a specialty. Telephone 245.
E. C. HILL,
136 Montreal street, near Princess.

Guardian Assurance Company
Capital and Invested Funds Exceed $32,580,000.
Insurances against Loss by Fire accepted at the lowest current rates and claims settled without reference to the Board at London.
W. H. GODWIN, Agent for Kingston.
Office: FRASER'S ARCADE 344 King Street.

WHITE'S INSURANCE AGENCY.
FIRE, LIFE, ACCIDENT, GUARANTEE and Plate Glass companies represented. Low rates and losses promptly adjusted.
Office—BAGOT STREET, one door west of Princess Street.

FIRE INSURANCE.
LONDON ASSURANCE CORPORATION,
W. H. GODWIN, Agent.
Office: FRASER'S ARCADE, King Street.

SPENCERIAN
Steel Pens
ARE THE BEST
Established 1860. Works England

FOR Expert Writers, NO. 1
FOR Accountants, NO. 2
FOR Correspondents, NO. 7
FOR Bold Writing, NO. 16
FOR Business, NO. 27
Sold by Stationers Everywhere.
Samples FREE on receipt of return postage 2 cts.
Spencerian Pen Co., 810 BROADWAY, NEW YORK.

ELECTRIC - INSTITUTE.
230 PRINCESS STREET.
PROF. VERNOY'S SYSTEM of Electro-Therapy.
GENTLEMEN AND LADY OPERATORS in attendance at all hours during the day and evening.
Electro-Galvanic Baths far superior to Turkish or any other.
Bathing Robes provided at the Institute.
DR. FUNNELL may be consulted from 10 to 12 a.m., 1 to 4 and 7 to 9 p.m.