

...from Europe... used, delicate... hidden... deliberate... of a moment... Liverpool... to the port... and start to...
...ret were once... would look like... suspicion. Go to... to go...
...d to stay and... thoughtfully... to me, Madge... if... and an hour in... the sound of your... in and going out... don than go to... and shoot big game... I was before that... when I had done... light was to save... and go soot free... I'd be the same as... field—the racoon... same. I thought I... the seasons came... sports, and the old... change. All the... I went about as... only half conscious... of the life round... at, the same haunting... th me, and a ghost... Oh, Madge, you... praver, nobler, pity... a strong should...
...poor soul, with... ed, softly. She bent... a burning forehead... her lips, her lips... given.
...Madge, for that... shows me that you... love, don't banish... by you—always. Let... e serves his master... Let... an and corduroy, in... will you have tried... for service, if you... God... stient in consideration... and then when you... some good in me, let... and let us go away... end of the world... for me upon this earth...
...I dream, Mr. Belfield... your poor sick soul... re, which I shall never... ber and brother. Think... d be darkened by grief... were brought to notice... and made to appear that... a deliberate murder... ought to get away while... Begin a new life in... d new duties, as I found... was most desolate; and... and saving the souls of... find a full allotment for... then the shadows will... en will be lessened, the...
...without you, Madge. I... you in my misery. That... as your own for ever... in saying these things, I... you, Mr. Belfield. I... ve, and all thoughts of... ed out my path in life... to do it. And now I must... ht, and ask you to leave... a great deal to do be...
...people do it for you? Can... vening in your life to my... do so much for others?"
...of our little organization... has all is done rightly... and twenty sick or ailing... in the house, and only... es myself to see to them... od of twenty-two. I am... ent resident. The other... ve one day, and night in... e work. They come at... and go away at eight o... ng... it is one day taken... world's business for... We find the plan works... eident sisterhood. The... erent tempered... their lives are not... ere is no weariness, no... into the outer world... into a certain amount o... work; and it makes them... that however worldly the... may be, one day out of... in doing good."
...ur invention, I suppose?"
...strong heart! Why did I... ve four years ago? Well... received me kindly, we... use upon your kindness... all come again to-morrow... of it, and go to Liverpool... e repeated, ignoring her...
...nds and parted. Scarce... oor shut upon him, when... her with her hands and...
...y sin-stained love!" she... re for you more in your... ever cared for you yet. I... to lead you back to hap... e hope you could ever be... of course of blood in your... e can there be for you...
...GRAVE?)
...Continued)

Further and More Wonderful Discoveries with the Lick Telescope.

While the Lick telescope has failed so far to solve the engines of the so-called canals on Mars, or to cast any important light upon those phenomena beyond confirming the fact of their existence it has made some astonishing discoveries in the nebular regions of the universe. But for Prof. Holden's assurance to the contrary we might, in fact, be led to think that the mighty lens on Mount Hamilton, like Lord Rosse's huge mirror at Parsonstown, would prove less useful in observations requiring accurate definition than in those which demand great light-gathering capacity. We recently described Prof. Holden's discoveries in the celebrated Ring Nebula in the constellation Lyra, where he found a marvelous structure of concentric ellipses, composed alternately of stars and nebulous stuff—in short, a half-finished creation, where, it would seem, the great sunsmith is still forging the orb of light. Since then Prof. Holden has kindly sent us photographs showing the appearance of two other nebulae as viewed with the giant telescope. One of these, he thinks, must be regarded as the first representative of a new class of nebulae, in which the nebulous stuff is arranged "in the form of a helix or screw, just as if the nebula had been formed by one brilliant particle revolving around the central star and leaving a brilliant trail, while the central star itself was rapidly moving through space."

Not since William Herschel surprised the world with his accounts of the wonders revealed for the first time to human eyes by his telescopes, has any news been received from the celestial spaces of such absorbing interest as these announcements from the director of the Lick observatory. The nebula in question is one of those contained in Herschel's catalogues, and is situated in the constellation of Draco, in the north polar quarter of the heavens. The photograph shows a central point, or star, surrounded by two superposed nebulous spirals, the appearance of which certainly justifies Prof. Holden's suggestion that they may be the train of luminous matter left by a brilliant orb in its spiral path around a moving center. The reader can obtain a clear conception of this by considering the case of the earth and the sun. The earth makes a complete journey around the sun once a year. But the sun meanwhile is not standing still, but is moving forward on an apparently straight course towards the constellation Hercules at a rate which, though undetermined, is certainly not less than two or three hundred million miles in a year. If the earth in its journeying left a luminous wake in space, its path would appear in the form of a vast spiral, resembling that actually seen in the nebula in Draco. So far from this being a unique object, Prof. Holden says that several other nebulae examined show evidences of a similar form, and he expects to discover further examples, perhaps still more perfect, of the same class of phenomena.

It is difficult to suggest a satisfactory explanation of such a structure in a nebula. In the well-known "spiral nebulae" we have long had examples of nebulous forms made up of flat concentric rings or ovals, but these seemed naturally to suggest a likeness to the imagined condition of our solar system when it was in the earlier stages of its formation from a nebulous mass that had been shaped by rotation and condensation into a central aggregation surrounded by rings. But the helix-shaped nebula in Draco is something very different. There, if the nebulous spirals really imitate the form of the thread of a screw, the matter of which they are composed must have been left behind the moving body from which it was cast off, and the difficulty is to understand exactly how that could have occurred unless some medium is supposed to exist in the space through which the system is moving.

It is evident that these discoveries will pretty certainly lead to new and important views not only of the contents of space, but of the laws that prevail throughout its unbounded domains, and govern the birth and growth and destiny of its countless and marvellously varied creations.

The Bishop's False Teeth.

Many a good story has been told about the consternation and dismay produced by the sound of the Scottish bagpipes on the uninitiated ears. They are said to have put to flight foes for whom a bayonet charge would have no terrors. But the story told by Bishop Taylor in Ashbury church one evening about the effect his moveable teeth produced among the blacks in Africa seems to cast all the other yarns of this kind into the shade. Somehow his black brethren came to know that the good Bishop had false teeth, and one of them gently and tremulously broke the subject to him in conversation one day. Not wishing to be suspected of witchcraft, the bishop told the children of the sunny south that in big America where he came from, when a man lost a leg he could go and get a new one made. And when his hair fell off he could buy a fresh supply, and so with the teeth, when they dropped out, or were pulled they could be replaced. "Then," said the bishop, "I drew out my beautiful, white, clean porcelain set, and when they saw that, you ought to have seen those darkies run and scream and gesticulate. One woman declared she had seen the wonder of the world and was now content to die in peace."

A Frank Criticism.

"What do you think of my poem in the Gazette, Wilkins?"
"It was a remarkable piece of work. One thing about it I thought was particularly wonderful."
"What was that?"
"That the Gazette ever published it."

A Difference of Opinion.

Guest (to mountain house landlord)—I think the amount of this bill is entirely too large.
Landlord—Too large? Just fan yourself, sir, with that bill, and get another whiff of the pure, health-inspiring mountain air; you'll think it's too small.

To Cure a Corn.

There is no lack of so-called cures for the common ailment known as corns. The vegetable, animal, and mineral kingdoms have been ransacked for cures. It is a simple matter to remove corns without pain, for you will go to any druggist or medicine dealer and buy a bottle of "Patnam's" Patent Corn Extractor and apply it as directed. The thing is done. Get "Patnam's," and no other.

SCIENTIFIC AND USEFUL.

Developing the affected limb in a casting of flowers of sulphur for one might lead to cure sciatitis. The skin should be thoroughly cleaned first.

To make a good unguent without using gum-arabic, take dextrine two parts, water five parts, acetic acid one part, dissolve by the aid of heat and add one part of alcohol.

The tensile strength of a wet rope is only one-third that of the same rope when dry, and a rope saturated with grease or soap is weaker still, as the lubricant permits the fibres to slip with greater facility. Hemp rope contracts considerably on being wetted, and a dry rope twenty-five feet long will shorten to twenty-four feet on being wetted.

A committee appointed by the Societe Industrielle de Mulhouse are strongly recommending boards made of plaster of Paris and rosin. The boards are made from alternating layers of plaster of Paris and rosin hydraulically compressed. They are said to furnish an excellent building material particularly for walls and ceilings, as the material is dry when used. The cost is only fivepence per square foot of 0-39 inch thickness.

According to recent experiments of MM. Hauriot and Richet, of which an account has been given to the French Academy of Sciences, the ventilation of the lungs is increased by muscular labor. In moderate work the ventilation is more than sufficient for the excretion of the carbonic acid produced, and above all for the absorption of the necessary oxygen. In hard work the proportions of carbonic acid produced and oxygen absorbed rise slightly the harder the work.

At the meeting of the German physicians known as the Wiesbaden Congress, Dr. Binz of Bonn read a paper on "Alcohol as a Remedial Agent," in which he referred to expressed opinions and upheld the efficacious virtues of alcohol, contending that it has an especial value in heart-failure and lung-disease, that it is consumed in the organism, and that it operates as a controller of pyrexia and fever while he regards it as an invaluable aid to the physician. Dr. Binz at the same time holds that the consumption of alcohol between meals, especially in the form of beer, is in Germany a "national evil."

Linseed is recommended as a substitute of gum-arabic. The seeds are first boiled with water for an hour; the resulting thick mass is filtered, and then treated with twice its volume of ninety per cent. spirits of wine. A flocculent white precipitate separates, from which the dilute spirit can be readily decanted. A yield is obtained of ten per cent. of dried "gummi lini" on the weight of the seeds taken. The gum forms a clear grey-brown fragile mass which dissolves in water without taste or smell similarly to gum-arabic. Two grammes are sufficient to form an emulsion with thirty grammes of oil, which resembles the emulsion formed with gum-arabic, both in taste and appearance.

For several weeks, says the Atlanta Constitution, there have been on exhibition in the office of the clerk of the Superior Court samples of pulp made of the hulls and stalks of the cotton-plant. The pulp is as white as snow, and can be converted into the finest writing paper. It is regarded as valuable, and is the product of parts of the cotton-plant hitherto deemed valueless. The process by which it is made is new. It is one by which the ligneous substance of the hulls and seed are dissolved. By this process over fifty per cent. of the fibre is extracted from the hulls, which have been regarded as fit only for fuel in the mills, or for feed and fertilising purposes, and which were sold for four dollars a ton. These, converted into pulp, will be worth about forty dollars a ton. At a very small expense this new process utilizes about thirty-eight percent. of fibre from the stalks usually left to rot in the fields.

The Sugar Trust Dictates.

The octopus sugar trust has told the Senate of the United States what it wants. We suppose when political parties are so nearly divided, as now happens to be the case, the sugar magnates, who are stealing \$20,000,000 from the people annually through increased profit, think it is a question only of buying a few Congressmen. These trusts and syndicates have too long dictated to the American people.

The sugar trust refuses to accede to the cut of 50 per cent. in the tariff, but will compromise on a cut of 35 per cent. the present sugar classification to stand. How complacent of the thieves! The Prairie Farmer idea of knocking the tariff from sugar for a year might bring these sweet auto crats to their milk, speaking after a fair fashion.

The consumption of sugar in the country is about 3,000,000,000 pounds a year. Since the formation of the trust, the profits of the refiners have been increased from 4 to 8 cents a pound. They have by cornering reduced the price of raw sugar to themselves about 4 of a cent per pound." Hence they think themselves strong enough to dictate to Congress. What will the people think of their public servants who allow this dictation? Watch Congressmen who vote the Octopus sugar trust's demands.

Harvest Excursion to Minnesota, Dakota and Montana.

First class accommodation. Tickets good for 30 days, including stop over privileges of 10 days going and 5 days returning, on the following dates: Tuesday, Sept. 25; Tuesday, Oct. 9 and Tuesday, Oct. 23. For free maps, books and all particulars, address J. M. HUGHES, Trav. Pass. Agent, Palmer House Block, Toronto; F. L. WHEATLEY, Gen'l Passenger and Ticket Agent; J. BOOKWALTER, Land Commissioner.

It is something to be good; but far better to be good for something.

A CURE FOR BRUISES.
The optimum habit, dependent on the staphylococcus habit, nervous prostration caused by the use of tobacco, weakness, mental depression, vertigo of the brain, etc., progressive old age, loss of vitality caused by over-exhaustion of the brain, and loss of natural strength by too long use of stimulants. Men—young, old or middle-aged—who are broken down from any of the above causes, or any other not mentioned above, send your address and full name to the publisher of this book, in plain English, and a copy will be sent you. Address: W. V. LUBBER, 43 Wellington Street East, Toronto, Ont.

FRUITFUL FRUIT.

FRUITFUL FRUIT is a powerful and stimulating tonic, which is said to be the best for the purpose. It is a simple matter to remove corns without pain, for you will go to any druggist or medicine dealer and buy a bottle of "Patnam's" Patent Corn Extractor and apply it as directed. The thing is done. Get "Patnam's," and no other.

LACTATED FOOD IS THE BEST



For young infants it is a perfect substitute for mother's milk, often saving life; for the invalid or Dyspeptic it is of the greatest value. It is THE FINEST BABY FOOD, THE BEST INVALID FOOD, THE MOST PALATABLE FOOD, THE MOST NUTRITIOUS FOOD, THE MOST ECONOMICAL FOOD.

(180 Meals for an infant for \$1.00.)

A Cabinet photo of Mrs. DAW'S THREE beautiful children—sent to the mother of any baby born within a year. Also a valuable pamphlet on the Care of Infants and Invalids.

Sold by Druggists. 25c., 50c., \$1.00.

WELLS, RICHARDSON & CO. MONTREAL, P.Q.

PURE GOLD BAKING POWDER

WOOLS AND FANCY GOODS

AT WHOLESALE PRICES.

BERLIN, SHETLAND AND ANDALUSIAN

Wool, in all colors, at 8 per cent. Saxony, Fleecy and 100 Wool, all colors, 100 per cent.; Embroidery Silk, all colors, 100 per cent.; Arrans, all colors, 80 per cent. English Arrans, large skeins, 80 per cent.; Felt, best quality, 3 yds. wide, \$1.00 per yd.; Flax Pompona, all colors, from 25 per cent. to \$1.00 per yd., all fringed, 80c. each; Balmorhea, 5 yds. wide, 100 per cent.; Constantly on hand a full assortment of newest materials for ladies' fancy work. Letter orders receive prompt and careful attention and goods can be sent by post to any part of Canada. Please write for price list.

HENRY DAVIS, Direct Importer, 323 Yonge St., Toronto.

Allan Line Royal Mail Steamships

Sailing during winter from Portland every Thursday and Halifax every Saturday to Liverpool, and in summer from Quebec every Saturday to Liverpool, calling at Londonderry to land mails and passengers for Scotland and Ireland; also from Baltimore, via Halifax and St. John's, N. F., to Liverpool fortnightly during summer months. The steamers of the Allan Line sail during winter to and from Halifax, Portland, Boston and Philadelphia; and during summer between Glasgow and Montreal weekly; Glasgow and Boston weekly, and Glasgow and Philadelphia fortnightly.

For freight, passage or other information apply to Schumacher & Co., Baltimore; S. Ounard & Co., Halifax; Shea & Co., St. John's, N. F.; Wm. Thompson & Co., St. John's, N. B.; Allen & Co., Chicago; Love & Alden, New York; H. Bourlier, Toronto; Allan, Rae & Co., Quebec; Wm. Brookline, Philadelphia; H. A. Allen, Portland, Boston, Montreal.

CHOICE FARMS FOR SALE IN ALL PARTS OF MANITOBA.

Parties wishing to purchase improved Manitoba Farms, from 80 acres upwards, with immediate possession, call or write to G. L. MANLYSON, McArthur's Block, Main St., Winnipeg. Information furnished free of charge, and settlers assisted in making selection. MONEY TO LOAN at current rates or interest.

Stained Glass

FOR CHURCHES, DWELLINGS, AND PUBLIC BUILDINGS.

M'CAUSLAND & SON,

76 King St. W., Toronto.

MACHINERY DEPOT

IMMENSE STOCK of Machinery to select from. Send for Lists.

H. W. PETRIE, Brantford, Ont.

Safes!

FIRE AND BURGLAR PROOF, and Vault Doors, kept constantly in stock. A number of Second-hand

J. & J. TAYLOR, Toronto Safe Works.

TORONTO COLLEGE OF MUSIC,

12 & 14 Pembroke St.

Opens Monday, Sept. 17.

Announcement now ready and will be sent free on application.

F. H. TORRINGTON, Director.

BICYCLES.

Great Clearing Sale, Previous to Leaving Premises.

22 BURCH ST., TORONTO.

No reasonable offer refused.

CHAS. ROBINSON & CO.

New and second hand machines and sundries.

SPORTING GOODS.

The Cheapest House in Canada for Guns, Rifles, Cartridges, Fishing Tackle, Base Balls, Goods and Sportsmen's Supplies of every kind.

OUR BIG OFFER:
On a cash \$12.00 we will give you a DOUBLE-BARRELED BRUSH-LOADING SHOT GUN, with fine Laminated Steel Barrels, oiled stock, a good gun for country use. A \$4.00 bill will ship to any address a 22 cal. RIFLE that will shoot accurately for 100 feet.

W. M'DOWALL & CO., 51 KING ST. E. TORONTO.

CANADA PERMANENT Loan & Savings Company

INCORPORATED 1855.

Head Office: Toronto St., Toronto

Subscribed Capital, \$ 4,500,000
Paid Up Capital, 2,500,000
Total Assets, 18,000,000

Nervous Debility.

DR. GRAY'S Specific has been used for the last fifteen years, with great success, in the treatment of nervous debility, and all diseases arising from excessive, over-worked brain, loss of vitality, ringing in the ears, palpitation, etc. For sale by all druggists. Price, \$1 per box, or 6 boxes for \$5, or will be sent by mail on receipt of price. Pamphlet on application.

THE GRAY MEDICINE CO., Toronto.

IRON FENCES



THE BARNUM WIRE AND IRON WORKS, WINDSOR, ONT.

Whaley Boyce & Co.,

283 Yonge Street, Toronto.

The Cheapest Place in Canada for

BAND INSTRUMENTS

New and Second-hand

Agents for

"BESSON" and "HIGHAM

Band and Orchestra MUSIC.

Repairing of Band Instruments a specialty.

Send for Catalogue.

10000 PRESENTS

TO FIRST APPLICANT, WHILE THEY LAST.

We will send by mail an appropriate gift to each maiden, wife, mother or cook—one to a family—who will try the BARNUM'S BAKING POWDER

Send the red circle from the label and send it in a letter stating honest opinion after fair trial. Either a 5, 10 or 25 cent size will secure the gift. Any grocer or stockkeeper knows where to get it if asked for by you.—Address—

CHURCHILL & CO., TORONTO

DELAYS ARE DANGEROUS!

Don't wait until you are burnt out or robbed. Buy a safe now and sleep easy, and be sure and get price, etc., of the New Champion Safe.

S. S. KIMBALL, 577 Craig St., P. O. Box 945, MONTREAL, P. Q.

JOHNSTON'S FLUID BEEF


CONTAINS EVERY ELEMENT OF A PERFECT FOOD

IT GIVES TONE TO THE NERVOUS SYSTEM AND PROMOTES MUSCULAR DEVELOPMENT

INCREASES THE REGULAR USE WILL BUILD UP A STRONG ROBUST CONSTITUTION AND PROVE IT TO BE THE GREAT STRENGTH GIVER.

We manufacture the Largest Variety of FENCES, CRESTING, BUILDER'S IRON WORK, STABLE FITTINGS, OFFICE RAILINGS, ETC., of any house in the Dominion. CATALOGUES FREE.

HOPE BITTERS



RELY ON THEM! A Wonderful Tonic, a Medicine, Not a Drink. Recognized "The Bitter" in England, Australia and United States.

HOPE BITTERS

Best known Remedy for Nervousness, Sleeplessness, Female Complaints, DRUNKENNESS. \$1.00 Reward for cases they will not cure.

HOPE BITTERS

CURE FOR ALL BRUISES, Burns, Swells, Blood, Liver, Kidneys, Urinary Organs. Get at Druggists to-day! May save your Life.