

TO REACH THE NORTH POLE

A STEEL-CLAD RAM WILL BE FITTED WITH SHARP SAWS.

Petroleum Will Be Used as the Fuel for the New Craft, Which Will Have But a Moderate Speed.

A new plan has been devised by an English inventor for cutting a pathway through the ice barrier that guards the North Pole. It is an ice crusher that is to be attached to the prow of a steam vessel and to be used for cutting through the ice just as a drilling machine carves a passage through rocks.

The idea originated with Mr. Warrington Baden-Powell, elder brother of Sir George Baden-Powell, M.P., and Colonel Baden-Powell, who is now making such a gallant defence against the Boers in Mafeking. The ice-crushing craft will resemble the ocean whale-back. The deck covering is to be of steel, studded with heavy rivets, the whole welded to stand extreme temperature such as would be met with in the Polar regions.

At the apex of the bow is a curious screw, not unlike a series of circular saws. As the ship lies in the water this screw saw is seen to project several feet, and is partially out of the water. At the end of the shaft, which is made of the toughest steel procurable, is a massive point that can be operated as a ram.

O SAW THROUGH THE ICE.

The idea of the inventor is to send the craft ahead at an ice pack or floe under a full head of steam, the propeller at the stern and the screw at the bow, both working together, although one receives its power from an electric engine, while the power of the other comes from an engine driven by steam.

The rapidly revolving screw and ram combined will first crush into the ice, impelled by tremendous power. It will then saw and bore its way through the pack floe, throwing the ice upward and backward. In order that the flying ice may not injure the vessel, a shield has been constructed which will answer the dual purpose of withstanding the heavy shocks of the waves and the bombardment of the flying ice.

PETROLEUM AS FUEL.

When built for moderate speed only, this craft is especially designed for battering and ramming ice, and its propelling engines, which are to be compound triple expansion, will be of fully 1,500 horse-power. The latest principle in the way of fuel will be followed, and the flame which heats the boiler will have petroleum as its fuel.

The petroleum will be carried in a tank heavily protected by steel, in that portion of the craft in which coal bunkers are ordinarily located. The tank room is made exceptionally large, considering the size of a boat, and will contain enough oil to last for a long voyage.

Well forward in the bow is placed the powerful engine which runs the ice-crushing screw. Huge electric motors and powerful gearing are the features of this engine, which will only be used when it is necessary to cut a channel through the ice. The electricity is to be supplied by an immense dynamo driven by the main shaft. Below and around the electric engine are the steel tanks in which the petroleum is stored.

Marine engineers and explorers are watching the construction of this unique craft with much interest. The inventor declares that the voyage to the Pole will be made in the ice-crushing boat, but there are many who are skeptical.

CITY OF CRIME.

Place Where "Sudden Deaths" Are "Incidents" of Daily Life.

The Italian city of Arsenae, situated about 40 miles from Rome, is known as the City of Crime. Ever since the Sixteenth Century every criminal who has escaped from prison or done his times has emigrated to Arsenae, and today practically every inhabitant is a criminal or the child of criminals. Every family takes the law into its own hands, and it is reported not a day passes without many murders being committed in the streets. The Italian authorities have now come to look upon Arsenae as hopeless, and remark that it is far better criminals should kill criminals than that innocent persons should be their victims. It is said that on one occasion, when 23 murders had been committed in that city in one day, the fact was reported in one of the Italian papers in the following terms: "Since our last issue, 24 hours before, there have been 23 sudden deaths in Arsenae." And no further notice of the murders was taken or expected.

PHONOTYPEWRITER.

An Englishman, Mr. William Marvin, is the latest claimant for the credit of having perfected a practicable "phonotypewriter." It will be the invention of the century if it fulfills all that Mr. Marvin stoutly claims for it. It is an instrument for recording spoken language, and will reproduce on paper and in a readable manner anything that may be uttered in its presence. A sermon, a speech, legal evidence, spoken in any language, is recorded by it on paper which can be sent by mail like an ordinary letter or document, and read by the recipient as easily as a typewritten communication.

DOING HIS DUTY.

One Man's Idea of What is Right.

Durham Brown, of Kenmore, Was Cured of Rheumatism and Backache—5 Yrs It is His Duty to Recommend the Medicine That Cured Him—Dodd's Kidney Pills Do Even More Than is Claimed for Them

Kenmore, Jan. 8.

Gentlemen: For some time past I have contemplated writing concerning the merits of the well known and wonderful medicine, Dodd's Kidney Pills, but through neglect have failed to accomplish what I now term my duty. During the last winter I was frequently troubled with lame back, so much so that I was unable at times to stoop without a great deal of pain and exertion. I experienced other well known symptoms peculiar to Kidney trouble. I also was afflicted with Rheumatism in my right leg and hip to an extent that I was constantly, while at my work, suffering agonizing pains in the parts affected. My work during the summer months consists of these box making and this required me to be seated driving nails. Previous to taking Dodd's Kidney Pills I was forced to look to the invention of a machine to nail covers on, which I named Jack in a Pinch. After taking one box of Dodd's Kidney Pills I found an improvement in my condition and before I had finished six boxes I found myself nailing in the natural way and Jack in a Pinch was discarded. I was able to sit up in my chair as of old and drive five hundred one-and-a-quarter-inch nails in eighteen minutes. My brother and I worked together, and if necessary he can testify to the cure I have received through Dodd's Kidney Pills.

In conclusion I would say that Dodd's Kidney Pills are all and even more than is claimed for them. If this is of any benefit to the proprietors in any way they are at liberty to make use of it as they may deem advisable. Wishing them continued success, remain,

Very sincerely,
DURHAM BROWN.

EVOLUTION.

It is really wonderful, mused the deep thinker, how a thing or an entity will have its beginning, run its course, and end exactly as it began. You follow me, I hope?

I think I do, replied the worldly one. For instance, a man will get a jug and hit it up. Immediately a jag is developed. Then he may produce a jag, and very likely he'll wind up in the jug.

To Cure Catarrh and stay Cured

You must use the most up-to-date and most approved method of treatment. This can only be had in Catarrh-hozone which cures by inhalation and is sure to reach the right spot. Treatments requiring the use of sprays, douches, snuffs, ointments, are a thing of the past, and the medicated air treatment supersedes them all. There is no danger or risk in using Catarrh-hozone. It is both pleasant and effective to employ in any case of Irritable Throat, Fetid Breath, Bronchitis, Catarrh and Asthma. For sale at all druggists. For trial outfit send 10c. in stamps to N. C. POLSON & CO., Box 518, Kingston, Ont.

RAPID PAPER MAKING.

The art of paper making has reached the point where it is possible to cut down a growing tree and convert it into paper suitable for printing purposes within 24 hours.

"Pharaoh 100," Payne, of Granby, Que.

Leaving Iceland. The depopulation of Iceland is going on steadily. The depreciation in the value of the land has been very markedly increased, and the Icelanders are said to be emigrating in shoals.

TO CURE A COLD IN ONE DAY

Take Laxative Bromo Quinine Tablets. All druggists refund the money if it fails to cure. E. C. Z. W. Grove's signature is on each box.

A CUP OF WATER.

A cup of hot or cold water taken on rising in the morning is of much value to some people, for the mucous coat of the stomach is washed away, and its juices are more quickly brought into contact with the food.

O'KEEFE'S LIQUID MALT

THE OLDEST CHURCH. The oldest building in the world that has been uninterruptedly used for church purposes is St. Martin's Cathedral, at Canterbury, England. The building was originally erected for a church, and has been regularly used as a place for religious gatherings for more than 1,500 years.

SOUND OF CANNONADING.

Though the distance is not less than 30 miles, the sound of firing at Ladysmith is said to be so plainly heard at Estcourt that the reports of heavy guns, supposed to be the two naval 47-inch guns, followed by the bursting of Lydd shells, can be distinguished above those of the Boer forty-pounders and the smaller guns on both sides.

La Toscana, 10c. RELIANCE CIGAR FACTORY, Montreal.

NO DANGER FROM BOOTS.

George—When is the best time to speak to your father?
She—Oh, I should say when he's enjoying himself in slippers and smoking jacket in the library after dinner.

Blemishes OF THE SKIN AND COMPLEXION TREATMENT.

Send one cent stamp for circular. W. J. URQUHART Analytical Chemist, 459 Q. eon St. W., Toronto.

RUSSIAN PHOTOGRAPHER'S WAY.

The Russian photographers have a strange way of punishing those who, having received their photographs, do not pay their bills. They hang the pictures of the delinquents upside down at the entrance to their studios.

FOR OVER FIFTY YEARS

MRS. WINDLOW'S SOOTHING SYRUP has been used by mothers for their children's teething. It soothes the child, softens the gums, allays pain, cures wind colic, and is the best remedy for diarrhoea. 25c a bottle. Sold by all druggists throughout the world. Be sure and get "Mrs. Windlow's Soothing Syrup."

SATISFIED.

Professor, who is the happier, the man who owns a million pounds, or he who has seven daughters?
The man who has seven daughters. Why so?
He who has a million pounds wishes for more; the man who has seven daughters does not.

Deafness Cannot be Cured

by local applications, as they cannot reach the diseased portion of the ear. There is only one way to cure deafness, and that is by constitutional remedies. Deafness is caused by an inflamed condition of the mucous lining of the Eustachian Tube. When this tube is inflamed you have a rumbling sound or imperfect hearing, and when it is entirely closed deafness is the result, and unless the inflammation can be taken out and this tube restored to its normal condition, hearing will be destroyed for ever; also cases of deafness are caused by Catarrh, which is nothing but an inflamed condition of the mucous surfaces.

We will give One Hundred Dollars for any case of Deafness (caused by catarrh) that can be cured by Dr. J. C. Cheney's Catarrh Cure. Sold by all druggists. F. J. CHENEY & CO., Toledo, O. Sold by Druggists, 75c. Hall's Family Pills are the best.

EASILY MENDED.

An old maid suggests that when men break their hearts it is all the same as when a lobster breaks one of his claws—another sprouts immediately.

MONTREAL HOTEL DIRECTORY.

The "Balmoral," Free Bus Am. Plan, \$1.50 & up.

Hotel Carlslake, European Plan, Rooms awarded 100 medals and diplomas for superior excellence. Their regular use prevent infectious diseases. Ask your dealer to obtain a supply. Lists mailed free on application.

ST. JAMES' HOTEL—Opposite G.T.R. Depot, Railway. First-class Commercial House. Modern improvements—Rates moderate.

ACCOUNTED FOR.

How is it, Doctor, that we don't see you any more with that old flame of yours, the banker's daughter?
She is married.
Married to whom?
To me.

W P C 1006

CALVERT'S

Carbolic Disinfectants, Soaps, Ointment, Tooth Powders, etc., have been awarded 100 medals and diplomas for superior excellence. Their regular use prevent infectious diseases. Ask your dealer to obtain a supply. Lists mailed free on application.

F. C. CALVERT & CO., MANCHESTER, ENGLAND.

Sausage Casings—New importations direct from England. English Sheep and American Hog Casings—reliable goods. Write for catalogue. PARK, BLACKWELL & CO., Toronto.

REPRESENTATIVE WANTED in your town. Position—Pay prompt. Like positions making \$40 per week. Write quick for particulars and furnish references. 501 McKinnon Block, Toronto.

HARRIS Buys Scrap LEAD, COPPER, BRASS. Wholesale only. Long Distance Telephone 1178. WILLIAM ST., TORONTO.

Music Teachers Wanted

To send for our complete SHEET MUSIC CATALOGUE and SPECIAL RATE OF FURNISHING. We are equipped to supply every MUSIC TEACHER in Canada. Whaley, Bayco & Co., 158 Yonge St., TORONTO, ONT.

I. O. O.

permanently cures Catarrh of nose, throat, stomach and bladder. 50c & \$1 a box. Write for particulars. The Indian Catarrh Cure Co., 146 St. James St., Montreal.

POWDER GUNSE MILLS, Montreal, Bell & Co., 881 Queen St. W., Toronto.

UNLIKE ANY OTHER LUDELLA CEYLON TEA

has a distinct flavor of its own which makes every one that has once tried it want it again.

POULTRY, BUTTER, EGGS, APPLES, and other PRODUCE, to ensure best results combine to The Dawson Commission Co., Limited, Cor. West-Market & Colborne St., Toronto.

Carters COLD CURE 10c. Cures in a jiffy. P. M. Corneau & Co., Agents, Montreal.

THE DES MOINES INSULATOR—Best and cheapest. O. Rolland, sole agent for the Dominion. Send 3c. stamp for catalogue. 313 St. Paul Street, Montreal.

Catholio Prayer Books, Rosaries, Crucifixes, Statues, and Church Ornaments, Educational W. K. Mail orders receive prompt attention. D. & J. SANDLER & CO., Montreal.

Michigan Land for Sale. 8,000 ACRES GOOD FARMING LANDS—ARENAC Co., Iosco, Ogemaw and Crawford Counties. Title perfect. On Michigan Central, Detroit & Mackinac and Lake St. Railroads, at prices ranging from \$2 to \$5 per acre. These lands are close to East Lansing, near Towns, Churches, Schools, etc., and will be sold on reasonable terms. Apply to R. M. PIERCE, Agent, West Bay City, Mich. Or J. W. CURTIS, White Star, Mich.

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Dominion Line STEAMSHIPS. Portland, Me., to Liverpool, via Halifax. Large and fast Steamers Vancouver, Dominion, Cambroman. Rates of passage—First Cabin, \$50 upwards; Second Cabin, \$25; Steerage, \$12.50 and \$3.50. For further information apply to local agents, or DAVID TORRANCE & CO., General Agents, 17 St. Sacramento St. Montreal.

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JAS. R. ANNETT, Manager. JOHN J. MAIN, Supt. and Treas.

The Canadian Heine Safety BOILER CO.

Esplanade, Toronto Opp. Sherbourne St.

High Class Water Tube Steam Boilers, for All Pressures, Duties and Fuel.

SEND FOR DESCRIPTIVE CATALOGUE.

References: Toronto Electric Light Co., Limited. The T. Eaton Co., Limited. The Massey Harris Co., Limited. The Gaithe Park Rubber & Mfg. Co. The Wilson Publishing Co., Limited. (All of Toronto where boilers may be seen working.)

Energy FOR THE Languid & Weary

I had been a sufferer like a great many other women with a disease peculiar to my sex. I tried everything I could read or think about to help me, but was getting worse instead of better. My condition was terrible—I was losing flesh and color, and my friends were alarmed. I consulted a doctor of this town and he said I would never get better; that I would always be sickly and delicate, and that medicines were of little use to me. Hearing that Dr. Ward's Blood and Nerve Pills had done for others I determined to try them myself, and today I weigh one hundred and forty pounds, while before I weighed only one hundred and eighteen pounds, and I now have a constitution that is hard to beat. I have not suffered any pain in months and earnestly hope that Dr. Ward's Blood and Nerve Pills will reach every woman suffering as I did.

Sincerely yours,
MAY COLE, Simcoe, Ont.

Price 50c. per box, 5 boxes for \$2.00. at druggists, or if not obtainable at your druggist, mailed on receipt of price by Sam. Williams & Co., Toronto. Book of Information Free.

THEY LIVED IN 6000 B. C.

FACTS FROM VERY ANCIENT TOMBS OPENED IN EGYPT.

Pursing Bottles Were Used Then—The Habits of the People Were Very Different From What They Are Now—Vanities Were Feared.

How long has man been on earth? The answer to this question is being modified by every turn of the exploration by the University of Pennsylvania, through Prof. Hilprecht, its Assyriologist, set the date of 6,000 or 7,000 B.C. on some of the monuments discovered. Now comes M. E. Amelineau to re-enforce these dates by discoveries in prehistoric Egypt. The full report of the discoveries has not yet been published, but this investigator has prepared the way to it by issuing the first volume of his account of the excavations at Abydos, the sacred residence of Osiris. Here he has found pre-historic tombs, some 150 in number, the contents of which go back at least 8,000 years. Fortunately for us, who feel curiosity as to the doings of those distant ages and the men who lived then, the Egyptians had the notion that death was but the bridge from this life to the next, which would resemble this one so closely that the very food and furniture used here would be useful there. On this account, they furnished the tombs as they would furnish homes. Therefore in them have been found the very food and the utensils which the men and women of that time used while alive. It is to this fortunate accident that is due the exactness with which a nineteenth century excavator can say precisely how those who died 6,000 years B. C., lived, what they ate, how they dressed and what was the range of mind and civilization in that ancient time.

LAW

Manufacturers Coming to Toronto WILL FIND VERY DESIRABLE FLATS, Steam Heated, Steam Power, Elevator and all conveniences. TRUTH BUILDING, 73 Adelaide St. West, TORONTO.

To Manufacturers

NORTHEY STEAM PUMP—6 x 4, 7 inch stroke, in good working order, capacity about 200 horse power. Price \$75.

FEED WATER HEATER—65 horse power, in good order. Price \$25.

ONE No. 3 STURTEVANT FAN—24 inch, in perfect order. Price \$25.

ONE No. 4 BUFFALO FAN—27 inches high, upright discharge, in excellent order. Price \$35.

S. FRANK WILSON, TRUTH, 73 Adelaide West, Toronto.

OLD CEREALS.

In the jars and vases of these old tombs Amelineau has found various cereals, like wheat and rye, proving the agricultural tastes of those people. Date stones are excellent evidence that the date palm was even then appreciated for its food products. Nor were these pre-historic people vegetarians, for if they were why should there be the bones of oxen and the horns of the gazelle in their tombs? Amelineau has actually taken us back to the stone age and the beginning of the use of metals in Egypt, for he has found innumerable arrow heads cunningly chipped out of flint, and knives, scrapers and saws made of the same hard material. The decorative instinct was already alive, or why should these old workmen have spent days on polishing and chipping stone bracelets?

INLAID WOOD.

Besides the common pots for kitchen use, and the fine vases for the parlor, there were discovered pieces of wood wonderfully inlaid with pieces of colored glass, showing that the secret of manufacturing glass was known even then. This seems to indicate a long period of preparation or development, for men did not invent glass when they were crude and uncivilized. In fact, the discoveries at Abydos open so wide a vista of possibilities that we are scarcely surprised to hear that the tombs of the gods of Egypt have been actually found. But before this startling discovery was made, M. Amelineau stirred up the world's Egyptologists by the announcement that he had found the names of 16 royal personages hitherto unknown. He knew that they were royal, for their names were written in a public device, and it was just as if the sceptor had engraved King So and So. It is from these designs that the word Pharaoh is derived, or rather the phrase signifies Pharaoh, from the Egyptian Per-aa, "Great House," that is, the place of the court.

When M. Amelineau opened some of these graves he found them to be the tombs of these great unknown kings, already acknowledged as kings of Upper and Lower Egypt, but not yet known as Sons of the Sun, the title of the late Egyptian monarchs. Among these was one whose name he reads Den, and another Qa, and it besides, some of whose titles could not be read, as they were entirely new. For instance, one was indicated by the sculpture of a serpent, but how this is to be pronounced or what it means to an Egyptologist has yet found out. On comparing the names just found with all the long list of Egyptian Pharaohs, not one like any of them could be found, and it was very logically concluded that these antedate Menes, and that only now are we reaching the earliest history of Egypt.

PRIMITIVE TOMBS.

The tombs are primitively constructed, some of the walls being so irregular that it is to be doubted whether the plumb line was then known. But, nevertheless the interiors of the tombs were most interesting. Some of them were so short that it was evident that no human body could have been laid here at full length, and the explanation was forthcoming that at last in a tomb which no vandal Arab had reached, a body was found all crumpled up and surrounded with earthenware pots containing food, outmen,

THE MOST NUTRITIOUS EPPS'S COCOA

GRATEFUL—COMFORTING. BREAKFAST—SUPPER.

Dr. Arnold's English Tonic Pills, the only medicine on earth that cures disease by killing the germs that cause it, are sold by all druggists, at 75c a box; sample size 5c, or sent post-paid on receipt of price, by the Arnold Chemical Co., Limited, Canada Life Building, 42 King Street West, Toronto.

ANGIER'S PETROLEUM EMULSION

A most efficient substitute for cod-liver oil, pleasant to the taste, and agreeing with the most sensitive stomach. Used by physicians in the treatment of all throat and lung troubles, and—if results count for anything—almost no limit to the good it can do.

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