

SCIENCE AND INDUSTRY.

GREAT UNDERTAKINGS. — Just about ten years ago a young woman went around the world in eighty days, and everybody who read newspapers was talking of her performance. Before the present year is over it will be possible to make the trip in forty days, and before the earth is very much older man will probably get around it within the limits of a month. The one tremendous maker of miracles has been transportation, and it is filling this very year with wonderful performances. On the ocean the whole tendency is toward bigness. The North German Line had scarcely finished the Kaiser Wilhelm der Grosse, 13,800 tons and 27,000 horse power, before the White Star Line had the Oceanic, with 17,040 tons and 27,000 horse power, and now two other lines are building ships that will exceed both of these leviathans. Every shipyard in the world is busy. Newport News, which a generation ago was a cornfield, is now a centre of ceaseless activity, with 6,000 men building fourteen vessels, some of which have a tonnage of nearly 12,000. There are nearly 4,000 men at work on vessels in the Union Iron Works at San Francisco, and in the yards of the Cramps, at Philadelphia, 6,000 men are busy. More than 100,000 skilled workmen are engaged at the different yards on the two coasts. In addition to all this, the Government has over 200,000 tons of warships, either on the stocks or under contract.

To quicken commerce, vast schemes are under way, the greatest of them being a canal across the Isthmus, which will save more than 10,000 miles in the trip from New York to San Francisco, and which will cost, according to one of the estimates, at least \$125,000,000.

For land transportation the projects exceed everything in the history of the world. The longest tunnel on earth is now being built through the Alps to open a new route between north and south Europe. It will be twelve and two-fifths miles long, will be completed in five and one-half years, and will cost \$14,000,000. A great tunnel is to be built under New York at a cost of \$35,000,000, for the local traffic of that crowded city.

A PRIZE.—An English engineering journal states that the German Emperor has offered a prize of \$20,000 for the best automobile war-carriage suitable for service in the field.

ABOUT TYPHOID FEVER. — An important experimental and statistical study has recently been published dealing with the influence of cold upon the bacillus of typhoid fever and its distribution. No epidemic of typhoid fever has ever been satisfactorily traced to the pollution of ice ponds, though other diseases are doubtless caused by this agency. To determine the question experimentally, a large number of tubes of water, inoculated with four different races of the typhoid bacillus, were frozen and examined after periods varying from an hour to several weeks. There was a very rapid reduction in their number in the first hour of freezing, varying from 30 per cent. in one culture, to 60 per cent. in another, while at the end of two weeks a reduction of 99 per cent. occurred. The fraction of a per cent. of germs remaining after a number of weeks of such treatment showed great powers of resistance, and some were found at the end of twelve weeks. Tests were also made alternately freezing and thawing the water, and it was found only slightly more destructive than the continuous freezing. Cold water, just about the freezing-point, was almost as effective in destroying the bacilli as ice, and the same laws were observed. Several experiments were also made in forming ice on the surface of the water, and investigation showed that 90 per cent. of the germs were excluded by physical processes. The paper reaches the conclusion, which seems to be the opinion of most bacteriologists, that there is small danger of infection from typhoid bacilli remaining in ice.

NICKEL STEEL RAILS on the Pennsylvania Railroad have been laid on the western track on the famous H-rail curve, and while the engineers do not consider that they have been in service sufficiently long to warrant an opinion on their wearing qualities, they speak of their great rigidity and hardness. The steel was made by the Bessemer process, and by analysis was found to be composed of the following constituents: carbon, .501 per cent.; phosphorus, .044 per cent.; manganese, 1 per cent.; and nickel, 3.22 per cent. Three hundred tons of these rails were ordered, which were of 100-pound section.

SCOTCH NOTES OF INTEREST.

Continued from Page One.

A PLEA FOR THE CATHOLIC PRESS.—Speaking at the annual St. Patrick's gathering in the Kinnaird Hall, to which, owing to the extreme pressure on our space last week, we were unable to give more than a passing note, His Lordship Bishop Smith made the following eloquent appeal for the Catholic newspaper. He said: There is amongst us in Dundee some very superior persons who turn up their noses at newspapers in general and at the Catholic press in particular. Well, I will make to you this frank confession. Every week regularly, besides the papers which are published for the information of the public, I make a point of seeing a number of Catholic newspapers; and I am certain there is not one of them that comes into my house that is not worth at least the money it costs. If one does not see any other; for there is not a few to select from. Read, then,

your Catholic paper as every good Catholic ought to make it his duty to do. You will learn from them what is going on around you. And to be frank with you, I would say that I think very little indeed of the Catholic householder who does not take in regularly some Catholic paper or Catholic magazine; I do not think that that head of a family is doing his duty. Another thing I would earnestly beg of you to note. Do not by any means withhold your support from the Catholic newspapers until such time as it reaches that level which you expect of it. The better you support it the sooner will it realize your expectations of what you think it ought to be. If the paper is striving to win a good cause, then support it by all means, and at once. Do not be too hard on its occasional shortcomings; be indulgent even to its errors. If you withhold your support till it is perfect meantime it will be starved out of existence.

PRESENTATION TO FATHER RYAN AT ST. JOHN'S, GLASGOW.—A silver tea set, a purse of sovereigns, and an address of affection and farewell was the substantial and expressive form which Father Ryan's testimonial from the faithful people of St. John's assumed last week at a great congregational meeting and concert held in St. John's Hall, under the presidency of the Very Rev. Canon MacLusky, supported by many suburban priests, to do honor to one to whom so much honor is due as an ideal priest after the people's own heart while resident for so many years as senior curate at St. John's. It will be remembered that some months ago Father Ryan was transferred from Glasgow, and given the charge of the "Saltcoats" Mission, where he is already very high in the esteem of his new flock.

THE SHAMROCK IN GERMANY

It is interesting to note that the "Shamrock" has not only become a popular plant and emblem all over the British Empire, but even that foreign nations are now emulating each other in efforts to prove their admiration for the "chosen leaf of bard and chief." A contemporary says:—"They have just been writing a good deal about the shamrock in the German press, but they have not been calling it the shamrock. The name they give it is the "Kleeblatt," which really means clover-leaf. A writer in our Catholic contemporary, the "Oolnische Volkszeitung," who is evidently a lover of the sweet little shamrock has been warmly protesting against the ignorance which confounds it with the "Kleeblatt." He explains the difference, and even shows a knowledge of the ancient tongue of the Gael by pointing out that shamrock is really an Irish word. To prove that in the eyes of the Irish it is quite different from clover, he quotes the following lines from Ralph Varian's poem, "The Shamrock," in which the poet is represented as looking for his darling plant in every season. He says in June:

When scarlet poppies nod between
The ears of wheat, yet sappy green,
And trodden green sward breathing
tells
Of clover white with honey-cells,
I seek the shamrock's golden bells.

The writer of the article in our contemporary insists on the shamrock being acclimatized in Germany, that is, on its being received into the German language. He declares: "Just as the English have adopted the Irish plant with its Irish name, so must we Germans take it in its native purity. Shamrock then and not Kleeblatt." To which the Irish will not doubt say a hearty Amen."

JOHN MURPHY & CO. FOR EASTER

GLASSES.
Khaki Color, Grey and White, are in demand this Spring. The Glove Department surpasses itself in making an unprecedented display of these popular shades. Our phenomenal sales attest their popularity. To inspect these assortments is to gain an object lesson in cleverness and diversity of Correct Styles. We show:
Women's Kid Gloves, at 85c. \$1.00, \$1.25, \$1.50 and \$1.75 pair.
Men's Kid Gloves, at 75c. \$1.00, \$1.25, \$1.50 and \$2.00.
Boys' and Misses' Kid Gloves in all sizes.
Men's and Women's Gray Suede Gloves, all sizes.

PERFUMES.
Many handsome Packages imported for the Easter Trade, at 30c, 50c, 75c, \$1.00, \$1.25, \$1.50, \$1.75, \$2.00 and \$2.50 box.
Bulk Perfumes at 25c, 35c, 45c, 65c, 75c and \$1.00 oz., bottles free.

JEWELLERY.
Novelty Jewellery fresh from Paris. Women's Paris Watch or Chatelaine Chains, at 35c, 50c, 75c, \$1.00, \$1.50 to \$3.00.
Women's Paris Necklaces, at from 50c to \$10.00 each.
Women's and Children's Rings at 25c, 50c, 75c, \$1.00, \$1.50, \$2.00 to \$4.75 each.
Women's Brooches at 25c, 35c, 50c, 75c, \$1.00, \$1.50, \$2.00 to \$4.50 each.

NOVELTIES.
Porcelain Eggs, Hand Painted, at 1c, 15c, 18c, 20c and up.
Hand Painted Porcelain Pin Trays, Puff Boxes, Ash Trays at 20c, 25c, 35c, 50c and up.

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"EASTER GLOVES"

Latest Novelties in Spring Kid Gloves.

- COLONIAL KID GLOVES in Tans, Modes, Greys, Greens, Blues, White and Black embroidered Backs, 2-clasp, \$1.15.
- ALEXANDRE KID GLOVES in Colored and Black, 3 Buttons, \$1.35.
- ALEXANDRE KID GLOVES in all the newest shades and Black Embroidered Backs, 3 Pearl Buttons or 3 clasp, \$1.50.
- ALEXANDRE SUEDE KID GLOVES in all the newest shades and Black Embroidered Backs, 3 Pearl Buttons or 3 clasp, \$1.50.
- TREFOUNSE KID GLOVES in all the latest shades and Black Embroidered Backs, 3 clasp, \$1.90.
- TREFOUNSE KID GLOVES in all the latest shades and Black Embroidered Backs, pique sewn 2 clasp \$1.75.
- DERBY KID GLOVES, all shades, and Black embroidered Backs, pique sewn, 2 clasp, \$1.55.
- MONARCH KID GLOVES, all shades and Black embroidered Backs, pique sewn, 2 clasp, \$1.75.
- CASTOR GLOVES in Greys, Tans, Fawns and Blacks, 2 clasp, \$1.75.
- DENT'S DOGSKIN GLOVES in English Tans and Black, \$1.50.
- DENT'S BOYS' DOGSKIN GLOVES in English Tans and Black Embroidered Backs, 2 Buttons, 85 cents to \$1.20.
- MISSIE KID GLOVES, Colored and Black, 2 clasp, \$1.05.
- MISSIE DERBY KID GLOVES, Embroidered Back, pique sewn, 2 clasp, \$1.25.

Easter Goods in Table Decorations.

Skil Candle and Lamp Shades, in all the latest Colors and Designs. Plain and Fancy Candles, in all Colors. Candle Shade Holders. Mica Shade Protectors, for all size Shades. Mica Chimneys for Auer Lights. Arctic Candle Lamps. Candle Sticks and Candelabras in Silver, Brass or Black Finish.

Sewing Machine Department.

A LARGE STOCK: FULL RANGE OF PRICES: FROM \$12.50 to \$45.00.

MAIL ORDERS RECEIVE PROMPT ATTENTION. SAMPLES SENT AND EVERY INFORMATION SUPPLIED.

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Scotch Legal Procedure.

A case which came before a Scotch Court of Session, the other week, brings to light one of those half-comic anomalies which Scotch legal procedure occasionally exhibits. A messenger-at-arms served a charge against a certain person for a sum of court expenses. The individual in question was not found in his house at the time, and the officer slipped the document under the door, this being a not unusual practice, it was explained. It was illegal, all the same, and the judge suspended the charge. It seems that if a debtor is not found in his house, and if entrance cannot be gained, the proper procedure is to give six knocks on the door and affix the schedule of charge to the gate or door or put it in the keyhole! The difference between putting a summons below the door and into the keyhole to the lay mind would not seem very material; but, in the eye of the law, it is all-important. The idea of sticking a legal document into a keyhole, is, of course, sufficiently ridiculous. This particular provision of the law must have come down from the time when keyholes were keyholes, and not the diminutive apertures to which Chubb and others have reduced them. Lord Low admitted that the case was a hard one, but he had no option but to stick to the letter of the law.

A Surprised Drummer.

The Archbishop of St. Louis was greatly surprised on returning from a journey recently, to find the valise he carried well filled with samples of cigars, cigarettes and tobacco, instead of his purple vestments. About the same time a drummer was equally surprised on opening what he supposed to be his valise, to find it full of episcopal vestments, instead of cigars, pipes, etc. The two travellers had somehow exchanged valises on their arrival at the depot. The salesman found the archbishop's name on the valise, and on returning it to its owner, found the prelate gazing at the choice assortment of fine sample cigars.—New York Freeman's Journal.

In cutting a tumor from the cheek of a four-year-old boy at Yardley, Penn., the surgeons found in the flesh a growing grain of wheat. The lump it had caused was about the size of a hickory nut. The theory of the surgeons is that the grain of wheat first lodged in the boy's right eye, and worked its way down the socket and into the flesh.

The printing press is mightier than the human voice in spreading information and in making conversions. If America is to be converted, Catholic books and papers must counteract the influence of non-Catholic literature. The pulpit is not sufficient. It may confirm us in the faith; it will not persuade the millions who never hear it.—Catholic Columbian.

The proposed increase in the wolf bounty will be a move in the right direction. With the increase of deer has come an increase in their greatest enemy, the wolf. The slaughter by wolves is greater than by the legal and illegal hunters combined, and

if the bounty can promote a war of extermination against the wolves one of the greatest difficulties of game preservation will be mitigated. — Toronto Globe.

For patients who are afflicted with incipient phthisis, of age beginning to show signs of consumption, a prominent New England physician is recommending sleeping in the open air at night as an absolute cure. Dr. Millet gives a record of many astonishing cures made by the simple process carefully followed out.

In a pneumonia case in New York recently 8,500 gallons of oxygen were used and the patient is now recovering. The oxygen alone cost \$425.

YOUR WEAK SPOT.
Perhaps it is your throat, or your bronchial tubes. If you take cold easily, take Scott's Emulsion. It checks any tendency in your system to serious lung trouble.

JAMES A. OGILVY & SONS.

Children's Sailor Costumes.

In washable goods in all White Pique and Satin Drill, trimmed daintily with light blue and dark blue; also in Pale Blue Satin Drill, trimmed with white. These exceedingly stylish garments are priced from \$2.25 to \$3.50 each according to size.

The Ideal Plastron.

In first, second and third sizes. This is the latest novelty to use with Ladies' Blouses and may be worn to replace the corset, it may be adjusted to any size of form, filled with whalebones, removable for laundry purposes. For sale in our Corset Department.

Our Glove Special.

Ladies' Suede Gloves, colors Tans, Mode, Greys, White with self and black stitching, reduced in price on account of them having small buttons, all sizes in stock, were \$1.20 pair. Our special offer while they last 60c pair.

The Latest Blousewear.

In all the newest styles for season 1906 are well represented at OGILVY'S. Only the most desirable patterns and colorings to be seen here. Our prices range from 65c up. Call and see our display in Blouse Department, 2nd floor.

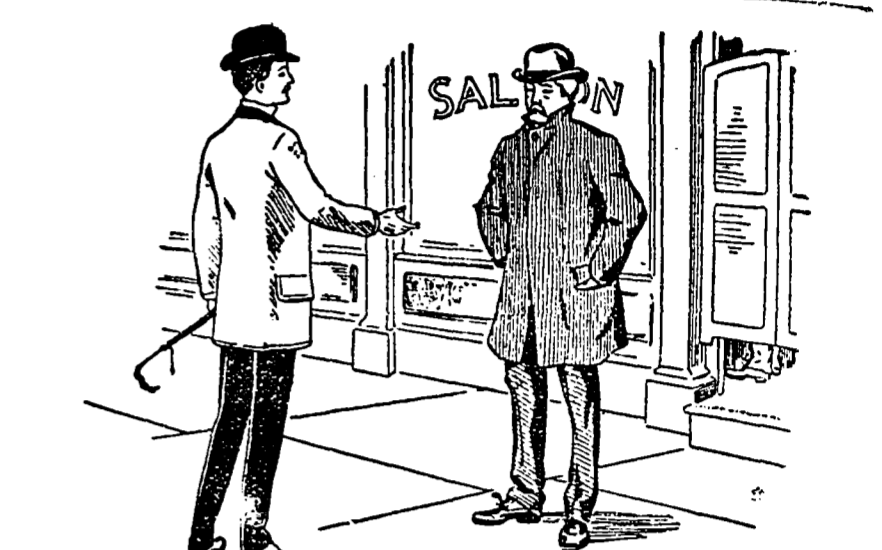
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The finest assortment of handsome stylish Shoes for Easter for Ladies, Men and Misses and Children.
HERE ARE A FEW SPECIALS THAT WE ARE SELLING AT FACTORY COST AS OUR "EASTER OFFERING"
LADIES' fine Kid Button or Laced Boots or Shoes with Kid or Patent Tip and Facing. Your choice, ten styles. Regular \$2.00; Easter price \$1.50.
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BOYS' Box Calf Laced Boots. Regular \$2.00; Easter price \$1.50.
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Before buying elsewhere you should come and see OUR WINDOW where you will find the handsomest and latest styles and the very best shoes that can be had at less money than elsewhere.

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Why Don't You Stop Drinking, And Make a Man of Yourself?

If your craving for liquor is stronger than your will power then take the DIXON CURE. It will at once free you from that dreadful desire. See what it does for others. It will do the same thing for you. A cure is guaranteed in every case. Read the following letter from a rescued victim:

The Dixon Cure Company, INT. R. R. STATION, Q. B. March 24, 1906.

I am in receipt of your favour of the 1st inst., and I take pleasure in informing you that your treatment has been in complete success, and I need not tell you of all the benefits and pleasures that I derive from being cured of that which, to me, was a hopeless case. I never tasted liquor since the first day I took your medicine, on February 18, 1898. Allow me this opportunity of once more thanking you for a new life of prosperity, and contentment which I now enjoy through your treatment. I shall be happy at all times to applaud your treatment, to any man who wishes to apply to me for reference, if you so desire it, as I consider your cure the greatest blessing that was ever placed within the reach of mankind.

I remain, yours gratefully,
For further particulars apply to
J. B. LALIME, Manager of the Dixon Cure Co., DR. MACKAY, Belmont Retreat, Quebec. 572 St. Denis Street, Montreal. All communications strictly confidential.

You Will Be Surprised
to learn how cheap we are selling fencing this year considering the cost of wire. Better see about it before you buy. No other fences made of wire like ours. Put Page up with good end posts, it will stay there tight and nice.
THE PAGE WIRE FENCE CO. (Ltd) Walkerville, Ont.

AN OLD HERO.

Daniel Bryan was an old seaman and captain of the foretop who had been turned over from the Blanche into Sir Sidney Smith's ship, Le Tigre. During the siege of Acre this hardy veteran made repeated applications to be employed on shore, but as he was an elderly man and rather deaf his request was not acceded to. At the first storming of the breach by the French, among the multitude of slain fell one of the generals of that nation. The Turks in triumph struck off the head of the unfortunate officer, and after inhumanly mangling the body with their sabres, left it naked to the prey of the dogs. As it lay thus exposed, a dreadful memento of the horrors of war, when any sailors who had been on shore returned to their ship inquiries were constantly made respecting the state of the deceased general. Dan frequently asked his messmates why they had not buried him, but the only reply he received was, "Go and do it yourself." Dan swore he would, observing that he had himself been taken prisoner by the French, who always gave their enemies a decent burial, not like those Turks, leaving them rot above board.

In the morning, having at length obtained leave to go and see the town, he dressed himself as though on an excursion of pleasure and went ashore with the surgeon in the jolly-boat. The old man procured a pickaxe, a shovel and a rope, and insisted on being let down out of a porthole close to the beach. Some of his more juvenile companions offered to attend him. "No!" he replied, "you are too young to be shot yet; as for me, I am old and deaf, and my loss would be no great matter." Persisting in his adventure, in the midst of the firing Dan was slung and lowered down, with his implements of action on his shoulder. His first difficulty,

not a trivial one, was to drive away the dogs. The French now leveled their pieces—they were on the instant of firing at the hero. It was an exciting moment, but an officer, perceiving the friendly intentions of the sailor, was seen to throw himself across the file. Instantly the cannonade died away; a dead, solemn silence prevailed, and the worthy fellow consigned the corpse to its parent earth. He covered it with mud and stones, placing a large stone at its head and another at its feet. He was then, with his pickaxe and shovel, hoisted into the town, and the hostile firing at once recommenced. — The Examiner.

CONCERNING FISH.—It is pointed out by one of the bulletins of the American Agricultural Department that fish to be properly cooked should not be plunged into boiling water. Put it rather into water that is on the point of boiling, keeping it all this temperature for a few minutes, and then allow it to fall from the boiling point, 212 degrees Fahrenheit, to about 180 degrees. The same method should be followed in meats that are to be boiled for eating. A high temperature for about ten minutes seals the pores of the meat, preventing the escape of the nutritious and flavoring juices. To continue the high temperatures, however, sears the meat all the way through, making it tough and indigestible. If, however, the juices are to be extracted from the meat to produce a broth, the meat should go into cool water and is slowly heated, never beyond 100 degrees Fahrenheit. The use of an oven and water thermometer should extend among housekeepers.

Thomas B. Jeffery, of the American Bicycle Company, states that the 1899 output of bicycles was 10,000,000.