

When You Think

Of the pain which many women experience with every month it makes the gentleness and kindness always associated with womanhood seem to be almost a miracle. In general no woman rebels against what she regards as a natural necessity there is no woman who would not gladly be free from this recurring period of pain.

Dr. Pierce's Favorite Prescription makes sick women strong and sleek women well, and gives them freedom from pain. It establishes regularity, subdues inflammation, heals ulceration and cures female weakness.

Sick women are invited to consult us by letter, free. All correspondence strictly private and sacredly confidential. Write without fear and without fee to World's Dispensary Medical Association, R. V. Pierce, M. D., President, Buffalo, N. Y.

If you want a book that tells all about woman's diseases, and how to cure them at home, send 50 one-cent stamps to pay cost of wrapping and mailing and we will send you a free copy of Dr. Pierce's great thousand-page illustrated Common Sense Medical Adviser—revised, up-to-date edition, in handsome French cloth binding.

SPIRIT OF TOLERATION GROWING IN IRELAND CONCERNING THE HOME RULE PROPOSALS

Assembly of Presbyterian Church Decided Not to Pronounce Against Measure; Those Who Desire Happier Times in Ulster May Take Heart of Grace

Dublin, July 4.—All who desire happier relations between the people of North-East Ulster and the rest of Ireland have reason to take fresh heart from what occurred at the general assembly of the Presbyterian Church of Ireland last Friday. The report of the assembly committee, contained an emphatic pronouncement against Home Rule. But the chairman of the committee, after consulting with the members of the assembly, it was decided to propose the omission of the paragraph relating to the declaration of the assembly, and to substitute a statement to the effect that in view of the declarations made at the Presbyterian conference held at Belfast on February 11, it was not necessary for the general assembly to make any pronouncement on the subject of Home Rule.

This decision was unexpected. On Friday morning the galleries were packed with spectators, who were looking for a great debate, followed by a declaration of the assembly against Home Rule. In the evening, however, the assembly was held in a hall, and the declaration was not made. The assembly was held in a hall, and the declaration was not made. The assembly was held in a hall, and the declaration was not made.

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When you buy Matches, ask for **EDDY'S Red Bird**. They have a true safety base head, with silent tips. Will never explode if stepped on. Eddy's Matches have satisfied Canadians since 1851—accept no others.

The E. B. Eddy Company, Hull, Canada

GET A THRILL

See the World's King of Speed **BARNEY OLDFIELD**

In the 300 horsepower Christie—Fastest car ever made.

With **LEW HEINEMANN** and **"WILD BILL" FRITSCH** In Prince Henry Benz. In Cino.

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SATURDAY JULY 27TH VICTORIA PARK

ONE DAY ONLY

Admission 50c, including grand stand; parking spaces autos and vehicles \$1, including one admission for driver.

REMEMBER THE DATE

In crime, but they caused him uneasiness on account of which he was not able to congratulate the grand jury as he had done on previous occasions. Twenty-six bills were sent before the grand jury.

In the Nisi Prius court this week before Justice Boyd and a county Dub-jury, five men, Patrick Cullinan, Michael Furey, Daniel Kearns, Martin Moran, and Thomas Brennan, were charged with having on January 21 assembled with arms at Lequarrow, in the county Galway, and discharged shots at 13 men with intent to murder.

The attorney-general said that the 13 men were returned from Loughrea in the evening from a meeting of the United Irish League. When at Craughwell they were fired upon by a party of men concealed in a haggard. The 13 men and a daughter of the president of a branch of the league, drove on three cars, and when the second car was passing the haggard a man named William Furey, between 15 and 20 shots were fired from revolvers.

One of the occupants of the car was hit on the back. When the second car was passing the haggard its lights were thrown on the faces of the prisoners, who wore no masks. Patrick Kelly, who was on the first car, said that he believed that he saw three of the prisoners in the haggard—Cullinan, Kearns, and Furey. In cross-examination he said that the people on the cars were singing and jeering at those in the haggard. He was questioned as to the hostility in the haggard towards the Gaelic Athletic Club, to which the travellers belonged. Questioned also as to the boycott and the beating of a man named Mannion, he admitted that he was present when Mannion was assaulted.

Michael Howley also identified Furey, Cullinan, and Kearns. In cross-examination he said that he did not know how many of the prisoners' houses shots had been fired. No evidence was called for the defence, and Mr. Lynch, addressed the jury on behalf of the prisoners, on the fact that although the witnesses now identified some of the prisoners, they did not identify them when the police were inquiring into the matter at the time.

The prisoners were acquitted.

MODEL FILTRATION SYSTEM

(Continued from Page 1)

pumping system. Secondly, filtration of the Saskatoon supply by means of chemical coagulants is necessary for a much longer period than the Calgary system will require. The engineer's figure of \$4.57 per million gallons for maintenance includes depreciation, figured at 2 per cent on \$200,000, the cost of the filtration works and the interest on the \$200,000. The wages of two men at \$250 a month, cost of coagulants, and all other incidental charges. It is figured that the coagulants will be required only for about two months of the year.

New Intake 75 Feet Higher.

As indicated on the accompanying sketch, the elevation of the present intake is 3,700 feet. The elevation of the proposed new intake is 3,775 feet. The water is taken from the Elbow river, which is 3,770 feet. The advantage of this is manifest as it provides an additional head of 75 feet. In the season when the water is low at the present intake, the flow will continue to be supplied at the necessary rate by the 42 inch wooden main and 20 inch steel main connecting with the 30 inch main to the present sedimentation tank and the inlet of the new 20 inch steel main, there will be installed an automatic check valve so that when the water is low at the present intake, it will be cut off automatically and the flow delivered through the new intake, and 42 inch wooden main entirely.

A comparison of the proposed Calgary filtration works with the filtration works at Saskatoon, on which they are modelled to a large extent, is interesting, especially in view of the method of filtration. The filtration system is a combined mechanical filter with chemical auxiliary.

At Saskatoon, the water to be filtered is taken from the Saskatchewan river at a point opposite the existing pumping station and thence flows by gravity into deep wells from whence it is pumped to the sedimentation basins. This is the first difference between the Calgary supply will be drawn from immediately from the river storage behind the new dam into the new sedimentation tank where the first settling takes place. The new tank will be divided into two compartments, as shown by the dotted line, so that while one is in use, the other can be the case of the old intake and the flows the water flows from the sedimentation tanks of the Calgary system into the clear wells, where further settling takes place, but there also will be provided at the new sedimentation tank a system of intake rough sand and gravel filters as shown in the sketch.

Two Systems Compared.

The water will then flow on through the 30 inch main to the new filtration works to be located a quarter of a mile above the new reservoir, and from this point on, the Calgary process is precisely similar to the Saskatoon plan, save that the use of chemical coagulants is not necessary for nearly so long a period.

The Saskatoon filter works have six filter units. The Calgary filter, as planned by Engineer Child, will have three units each capable of handling 4,000,000 gallons per day. Each of these units is sub-divided into four individual sections, each of these having a capacity of filtering 1,000,000 gallons per day. The filtration process is then precisely similar to the Saskatoon system, which is described by Professor T. Alrd Murray, C. E., in the Canadian Engineer in part as follows:

"During the process of filtration, the water flows into and fills the concrete pocket in front of each of the filter units to a level with the top of the steel supply and wash troughs, spills over onto the sand bed, filters through the sand and gravel, and is collected by the bronze strainers into the straight iron strainer system. It is then conveyed through the central cast iron manifold collecting pipe and across the front of the filter to the effluent rate controller.

"The effluent rate controllers are set to deliver a given quantity of water under a head of 10 feet, 6 inches, and are capable of adjustment to within 20 per cent above or below the normal rate for which they are designed; they in turn deliver the filtered water to the filtered water storage reservoir, located beneath the six filter units."

Calgary Water Delivered By Gravity. At this point, another difference occurs between the Calgary and Saskatoon systems. In the Calgary system, the filtered water is either delivered into the city mains supplying consumers is into the big storage tank by moving the disc on its axis and the filtered water is pumped into the mains.

"I'm Going to Robinson's Wednesday. It's Going to be a Great Day at Their July Sale"

Just look at these items. They are just such items as we've been offering all through this July Sale. We are making a great effort to clear our shelves, racks and counters, of all Summer Goods. We need all the room taken up by these goods for the new fall stuffs, which will be here now very shortly. Every line of Summer Goods is now reduced so low in price, as to move them quickly. And such prices—Good, Big, Safe Savings. If you have already attended this sale, it will pay you to come again for your share of the good things offered. These mentioned here are only a few, there are many more. Sale Tickets all over the store direct you to Worth While Savings.

For Today -- A Stirring Sale of Hosiery

Hundreds of pairs of Good Quality Hosiery, marked below actual values to create lively selling in the Hosiery Department. Here, then, is the hosiery buying opportunity you have been waiting for—a saving occasion which comes too seldom to be missed. And since hosiery needs crop up during every week of the year, you hardly need any convincing arguments as to the savings to be derived from buying now at least all summer needs.

100 Dozen Pairs Cotton Hose
Women's sizes, Lisle Cotton Hose, fast black, a very superior quality, and for the women who wear cotton hose, there are none better than these. We have made the price low to encourage brisk selling. A pair **25c**

Dozens of Pairs of Fancy Lisle Hose
Plain Lisle and Embroidered Lisle Hosiery, dozens and dozens of pairs, box after box to hand out. There are such colors as black, tan, sky, green, natural and white; all sizes; every pair at a bargain price. A pair **45c**

50 Dozen Pairs of Boys Cotton Hose
Boys' Stockings, the "New Era" Hose, heavy ribbed cotton; a good stocking for boys going to school, the kind that wear. Pair **25c**

Clearance of 2000 Yards 25c to 45c Wash Goods 20c

It's to be a great 20c day in the Wash Goods section, dainty summer fabrics, every woman is buying for dresses, waists and children's wear; such goods that have been selling all season at 25c, 30c and 35c a yard. On sale today at, a yard **20c**

Beautiful Flower Muslins, worth 35c and 40c, for a yard **20c**
Striped Linen Suiting, in pale green shade. A yard **20c**
Plain Suiting, in colors of sky, cream, pink and red, for suits or just trimmings. A yard **20c**

Light Crash Suiting and Repp Suiting in old rose. A yard **20c**
Best Scotch Gingham, plaid and striped patterns. A yard **20c**

Crash Linen Roller Towelling, fully ten pieces to measure away. You can all have a share; very good quality. 8c Main Floor

Twenty dozen, plain white Cambric Handkerchiefs, with narrow hemmed edges, a very good handkerchief, plenty good enough for the kiddies to lose at school. 6c Main Floor for 25c

Pure White Saxony Flannelette, a lovely soft quality, 30 inches wide, every woman uses flannelette especially white. Buy today. 10c Main Floor

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Fifty Only White Parasols at 50c each

Early this morning at prompt 9 o'clock these fifty white parasols are placed on the counter. Pick one as quick as you can, for you see the quantity is only small. They are made of plain white linen finished material, over good strong frames with wooden handles. Worth \$1.50. This morning **50c**

White Muslin Underskirts, Good Quality Too, 85c

These are made from good sheer quality White Muslins, the frill is trimmed with lace, a very good looking skirt; just such a skirt as you generally pay \$1.50 for at ordinary times. You can surely make room in your summer wardrobe for a couple of these. Basement **85c**

Twenty Five Per Cent. Discount Off Linen and Tweed Coats

Today we'll expect big things up on the Second Floor in the Coat Section, for we are placing on sale our entire stock of Linen Coats and Tweed Coats at a discount of 25 per cent. This is certainly a big come-down in price and you'll want to look into this as early in the day as possible. Every Coat goes at 25 per cent. Less.

Still More House Dresses to clear at \$2.50

The prices grow smaller as this sale goes on. Talking of House Dresses, there is a line that has been in stock for only a few days. They are made of prints in the butcher blues, trimmed with self colored and fancy materials. This is indeed a very nice dress and a bargain at this price; quantity is limited **\$2.50**

A Clean Up in These Mull Dresses at \$4.50

Dainty little summery Dresses, mulls and muslins; such colors as pink, sky and white. These are very dainty and pretty styles, trimmed with val laces and insertions. Of course, this price is a way less than you expected to pay for such a dress as this, but you'll have to come early today to secure one, as there are only a few **\$4.50**

Such a Pretty Kimona and for So Little Money \$2.95

That will be the opinion of all the ladies who purchase one of these Long Kimonas today. Listen, while we tell you about them. They are full length, and made of that Japanese Crepe Cloth, which is so serviceable for kimonas as it washes so well. They come in floral patterns, light and dark colors, and trimmed with mercerized satin, in contrasting colors; and we will add that you could not possibly procure the material in one of these garments for this price. Need we urge you to make a choice early in the day. 2nd floor, today. **\$2.95**



ROBINSON & COMPANY 108 EIGHTH AVE. EAST

between the Calgary and Saskatoon systems. In the Calgary system, the filtered water is either delivered into the city mains supplying consumers is into the big storage tank by moving the disc on its axis and the filtered water is pumped into the mains.

Proceeding further with Professor Murray's description of the Saskatoon filter:

"Each of the filter units is equipped with hydraulically operated valves which permit the filter being controlled from an operating table located on the operating floor immediately in front of each unit.

"The equipment includes a centrifugal pump for supplying water for washing the filters, also a blower for supplying air under pressure during the washing process. Each of these units is independently driven by an electric motor mounted on the same bed plate.

"During the washing process, the inlet valve to the smelter is closed. The water on the sand bed is allowed to filter through the rate controller into the filtered water storage well. The operator then signals, by the use of an electric bell controlled from the operating table, for the engineer to start the blower. The air supply valve being opened to the filter, the air is admitted to the sand bed, and the latter is scoured for a period of two minutes, which washes the sand, carrying the heavy deposits which have been filtered out if the water during the process of filtration to the supply and wash trough, from whence it is carried to the waste and thence to the drain. This alternate air and water washing is continued for a period of from six to ten minutes, the time depending upon the cleanliness of the sand bed. The duration of the air scouring and washing periods being diminished after the first period of two minutes each.

Filter Material Settles Back.

"After the washing process, the sand settles back to its normal position in the bed, the heavier particles settling on the bottom with the finer sand settles in relation to its specific gravity.

"The air wash water supply, and waste valves are now closed, and the filtered water is allowed to pass through the filter, allowing the treated water to filter through the sand bed as during the process of filtration. The water passing to the drain until the clay particles which were not raised during the process to the waste trough are carried off to the drain and until the water is about the color of the treated water being supplied to the filter.

"The filtered water to waste valve is then closed and the effluent valve opened, placing the filter in operation, and allowing the water to pass through the effluent rate controller to the filtered water storage well beneath the filters.

"On each of the operating tables is located a test bibb for drawing samples of filtered water at any time while the filter is in operation.

"In the laboratory equipment is included a test basin having properly marked bibbs for taking samples of filtered water from each of the filters, also provision for taking samples of the raw and treated water before and after coagulation. The samples of the water are pumped by the use of a hydraulic lift from the sources of the supply to the bibbs.

"By opening the bibbs, on the operating tables and test basin, the pressure is released to the hydraulic lifts which places them in operation.

How the Chemical Plant Works.

"The feeding plant consists of four concrete solution tanks located in the second story of the machinery end of the filtration plant, two for the preparation and mixing of sulphate of alumina and two for hydro-chloride of lime.

"In the sulphate of alumina solution tank, the chemical is placed in lump form in wooden dissolving trays and filtered water allowed to spray over the material until it is dissolved and the solution tanks are filled with this liquid. Wooden paddles are driven through the solution by a pair of bevel gears at a low rate of speed to insure a more finely graded solution.

"The hydro-chloride of lime is fed into a cast iron cylinder box, provided with an agitator which thoroughly mixes and dissolves the chemical, after which it is flushed out of the mixing tank by water pressure in the solution tanks, which are equipped with agitators as described for the sulphate of alumina tanks. Each pair of sulphate of alumina tanks and hydro-chloride of lime solution tanks is equipped with a rotary pump which takes its suction from the bottom of the solution tanks and delivers the solution into an overflow or weir box in sufficient quantity to allow approximately the same quantity to flow back into the solution tanks as it is fed through the orifice to the point of application to the water to be treated. This pumping and overflowing of the solution from the weir box provides additional agitation to the chemical solutions, preventing settling in the solution tanks. The weir box is of cast iron, one for feeding sulphate of alumina and the other for hydro-chloride of lime.

Regulation of Chemicals Described.

"The solution which is to be fed to the water passes through a screen made of lead and iron respectively, to the orifice compartment of the weir boxes. The orifice is composed of a glass disc containing accurately ground or bevel edged holes or orifices calibrated for delivering given quantities under the constant head which is maintained in the weir box.

"This orifice is capable of adjustment by moving the disc on its axis until the orifice of the desired size is located in the place opposite the discharge from the weir box. The solution is then fed by gravity through pipes composed of metals best adapted to withstand the action of the respective chemical, passing through a slight feed in the laboratory, which permits the operator of the plant to see at a glance whether the feeding apparatus is working or not.

"From the sight feed, the sulphate of alumina passes to the points of application above mentioned in the coagulating basin and the hydro-chloride of lime solution is fed to the filtered water storage reservoir.

"The apparatus for agitating the chemical solution tanks is provided ample space for storing sulphate of alumina and hydro-chloride of lime.

"The building is provided with a cast head or hoist for raising this material from the ground to the chemical storage room."

To Measure All City Water Used.

Engineer Child is now having installed at the present intake a water meter which will accurately measure the rate of flow of water through the 30 inch pipe to the city. The water at the present time is delivered from the 48 inch main to consumers by means of a 20 inch main coming in at the northern section of Calgary and an 18 inch main coming in at the southern section. When the filter works are completed, these mains will deliver from the filtered water supply instead of the 30 inch main as at present.

"I am more than delighted to see the council going ahead with the water extension and filtration system," said Engineer Child yesterday. "It has been a bug-bear to me for months. Of course, I will miss my favorite fish coming down the pipes, but I guess we all can stand the loss of the fish to get pure water."

The only opposition that can arise to the water extension plan is based on the fear that the expenditure of nearly a half million dollars will mean a corresponding raise in the water rates. The city is already using some eight million gallons a day, and in the opinion of experts, much of this is due to leakage and waste as it means a per capita supply of 200 gallons daily, while the maximum limit of consumption for other cities is figured at 150 gallons daily.

Would Meter All Water.

Engineer Child pointed out a remedy for this condition in his report to the city council some time ago, referring to it as follows:

"The natural remedy would be a general metering of the whole system. If for instance, a charge of 10c per 1,000 gallons is made, which, by the way, is considerably less than the rates in the majority of cities, the yearly revenue would be \$222,000 for the present supply only, which is about double the revenue received by this city in 1911. The proposed additional 3 1/2 million gallons per day when drawn upon should on a meter basis augment the revenue \$127,750 per annum.

"Under the existing circumstances, with the lax manner in which many houses are connected up with the city mains and with pipes attached to outside walls the only method to prevent them from freezing is to keep the taps running. The proposition of houses where this is resorted to out of some 7,000 connections, would fully account for the tremendous waste at the present time, so that a general overhaul of existing connections and a close inspection of those installed in the future should be made."

ROYALTY STARTS FOR THE MARITIME PROVINCES

Quebec, July 22.—Previous to embarking on the government steamer, Earl Gray this afternoon, for a trip to the maritime provinces, the Duke and Duchess of Cornwall, Princess Patricia and party visited Ursuline convent evincing keen interest in the historical relics. They will sail tomorrow. The vessel has been sumptuously fitted for the distinguished passengers and will be manned during the trip by officers and sailors of the Niobe, in command of Comdant White, R. N.