

The Official Organ of { THE CANADIAN HOSPITAL ASSOCIATION
THE ALBERTA HOSPITAL ASSOCIATION

\$3.00
PER
ANNUM



50.¢
PER
COPY

THE HOSPITAL WORLD

Vol. XVIII

Toronto, December, 1920

No. 6

CONTENTS

EDITORIALS

	Page
The Canadian Hospital Association	205
The Alberta Hospital Association	206

ORIGINAL CONTRIBUTIONS

Rural Hospitals in Alberta. By Wm. Hay Williamson, Chicago, Illinois	209
Tranquille Sanatorium, British Col- umbia, By C. W. Higgins, M.D., Chicago, Illinois	211

SOCIETY PROCEEDINGS

	Page
Second Annual Meeting of the Al- berta Hospital Association	216
American Hospital Association	226
Second Annual Meeting of the On- tario Neuro-Psychiatric Associa- tion	232

CANADIAN HOSPITALS

Nurses' Graduation at the Toronto Hospital for Incurables	235
Women's College Hospital, Toronto, had a Most Successful Year	237

*"In all infectious diseases, in all chronic anæmic and
asthenic conditions, the mineral content of the Organism
becomes impaired." (Prof. ALBERT ROBIN of PARIS)*

Fellows' Compound Syrup of the Hypophosphites

The Standard Mineralizing Tonic

combines the nutritive action of the Chemical Foods, Cal-
cium, Sodium, Potassium, Iron, Manganese, and Phosphorus,
with the dynamic properties of Quinine and Strychnine

Literature and Samples sent upon request

FELLOWS MEDICAL MANUFACTURING CO., Inc.
26 Christopher Street New York City



LISTERINE

A Non-Poisonous, Unirritating Antiseptic Solution

Agreeable and satisfactory alike to the Patient, the Physician, the Surgeon and the Nurse. Listerine has a wide field of usefulness, and its unvarying quality assures like results under like conditions.

As a wash and dressing for wounds

As a deodorizing antiseptic lotion

As a mouth-wash, gargle, spray or douche

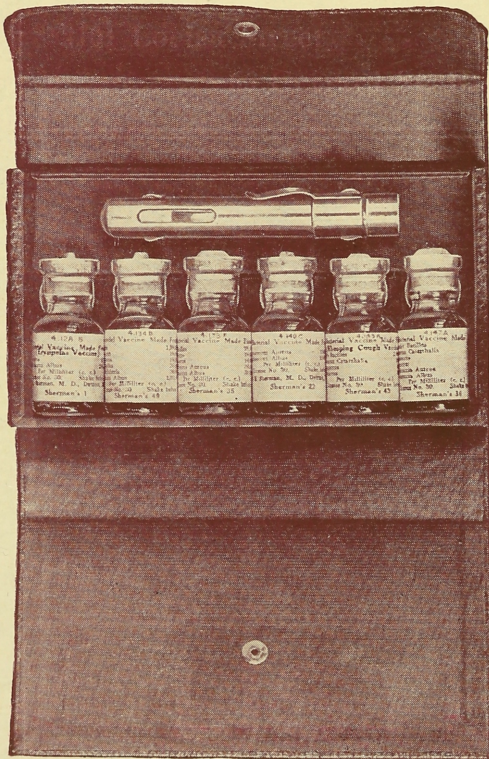
Operative and accidental wounds heal rapidly under the antiseptic protection of Listerine, as it does not destroy tissue cells or retard the natural processes of repair.

In all cases of fever, where the patient suffers so much from a parched condition of the mouth, a few teaspoonfuls of Listerine in a glass of water provides a refreshing and effective mouth-wash.

Lambert Pharmacal Company

2101 Locust Street - SAINT LOUIS, MO., U.S.A.

66 Gerrard St. East, Toronto, Ont.



Sherman's Vaccine Case

The best immunizing response in Pneumonia is obtained during the first twenty-four hours after the initial chill. Every hour being vitally important, successful immunologists make inoculations in Respiratory Infections at their first call.

Be prepared; carry an assortment of Sherman's Polyvalent Vaccines and self-sterilizing syringe in this convenient case.

Your dealer will be pleased to supply you

G. H. Sherman, M.D.
Detroit - Michigan

Largest Producer of Stock and Autogenous Vaccines

Ether for Anaesthesia

HARTZ

AN ETHER SPECIALLY PREPARED AND PURIFIED FOR ANAESTHESIA

By a new process invented by
PROF. G. MICHAELIS

This new process enables us to place with the Profession an Ether far superior to any Ether heretofore sold. By it, impurities, which have up to the present been found in small quantities in the best ethers, have been entirely eliminated.

A SIMPLE TEST MAY BE APPLIED TO PROVE THE SUPERIORITY OF OUR ETHER

If 10-CC of our Ether be shaken with 1-CC of Nessler's reagent, the reagent will not show more than a faint opalescence; while if the same test is applied to other ethers the reagent will at once turn dark, due to the impurities which they contain.

*We Guarantee the Quality of Our Ether
and Solicit Your Trial Order*

SPECIAL HOSPITAL PRICES FOR QUANTITY

THE J. F. HARTZ CO., LTD.

Physicians' and Hospital Supplies

TORONTO

CANADA

When writing advertisers, please mention The Hospital World.

The Battle Creek Sanitarium and Hospital

Established 1866

Medical Obstetrical Orthopedic Neurological Surgical Reconstructive

EDUCATIONAL DEPARTMENTS

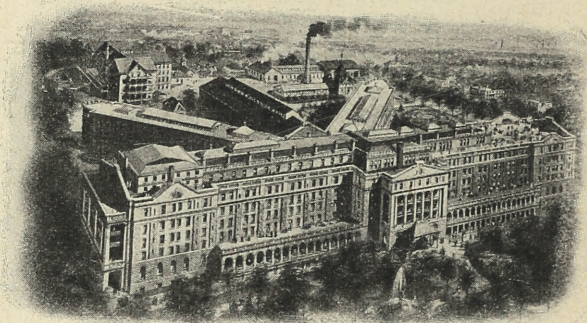
Training School for
Nurses

Normal School of
Physical Education

School of Home Eco-
nomics and Dietetics

Students received on
favorable terms

Registered trained nurses
dietitians and physical
directors supplied



Descriptive Literature Mailed Free Upon Request

THE BATTLE CREEK SANITARIUM

Battle Creek

Box 179

Michigan



INDISPENSABLE IN THE SICK ROOM

Physicians will be glad to know that at last there has been placed upon the market, a **HEAT BOTTLE** that is in every way satisfactory. It is

The MAGIC HEAT BOTTLE

Simply unscrew the cap to admit air; re-
place the cap tightly, and the bottle at once
becomes hot. Before using it again, boil
the bottle for ten minutes, and it will keep
warm continuously for eight to twelve
hours. To use it again, simply remove
the cap.

No electric current to burn the patient.

No water to wet the clothing.

Manufacturers and Sole Distributors—

The Kinney Reid Company

124 Adelaide Street West, Toronto



When writing advertisers, please mention The Hospital World.



Stockton State Hospital

(Stockton, Cal.)

is equipped with

“Wear-Ever”

Aluminum Steam Jacketed Kettles and Stock Pots

The impressive “Wear-Ever” equipment of this representative institution indicates the high regard in which these modern utensils are held by managements that have carefully investigated their many definite advantages.

“Wear-Ever” utensils never need tinning—a saving that pays for their cost within a few years.

“Wear-Ever” utensils are cleanly—have no joints or seams in which particles of food can lodge.

“Wear-Ever” is durable—made from hard, thick sheet aluminum which has undergone the tremendous pressure of gigantic roller mills.

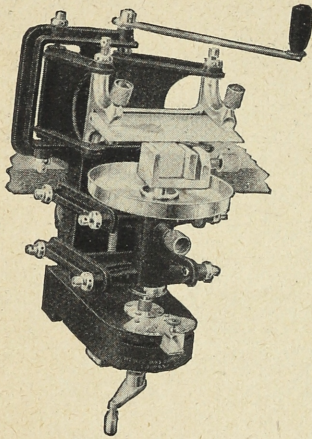
WEAR-EVER



Replace utensils that wear out
with utensils that “Wear-Ever”

NORTHERN ALUMINUM CO., Limited

Toronto, Ontario



SPENCER FREEZING MICROTOME No. 880

*For Celloidin and Paraffin as well as Frozen
Sections*

Automatic Feed.
Covered and protected from dust and drippings.
Securely clamped to the table.
Cuts any desired thickness in multiples of 5
microns.
Unique knife holder insures utilization of entire
cutting edge of the knife.
Cuts very large sections.

Spencer Rotary Microtomes
Nos. 810 and 820
Also Ready for Shipment

No. 880. Microtome complete with
knife.....\$85.00
No. 930. CO₂ Freezing attachment \$13.50



CATALOG ON REQUEST

SPENCER LENS COMPANY
BUFFALO, N.Y.



CELLUCOTTON

TRADE MARK COPYRIGHTED

Manufactured by Kimberly-Clark Co., Neenah, Wis.

Try for Yourself this Absorbency Test for Cellucotton

Suspend equal amounts of Cellucotton and absorbent cotton over a bowl of water, immerse about $\frac{1}{4}$ inch of the end of each in the liquid. At the end of 15 minutes you will find the fluid drawn to the very top of Cellucotton and not more than an inch and a half up the cotton. We will be glad to send a sample of Cellucotton for this test.

Cellucotton is more economical than cotton for many kinds of hospital work. Send for our prices.


Exclusive Selling Agents

Lewis Manufacturing Co.

Walpole, Mass., U.S.A.

New York Philadelphia Atlanta Chicago
Cleveland Kansas City Oakland

When writing advertisers, please mention The Hospital World.



**Quicker
Convalescence**



For quicker convalescence, for more rapidly revitalizing the weakened system, Junket has proven times without number, to be highly valuable.

Junket
MADE with MILK

Its value lies in the fact that it provides the convalescent with all the nutritive elements of whole milk, made extremely easy to digest and assimilate, through pre-coagulation.

Send for treatise, "Junket in Dietetics."

Chr. Hansen's
Canadian
Laboratory
Toronto, Canada

20th Century Physician

has at his elbow the knowledge, experience and discoveries of the ages to assist him in the alleviation of the ills of mankind. Nevertheless, he knows that modern medicine has produced remedial agents that in every respect far surpass anything discovered hitherto.

Especially in the treatment of chronic intestinal stasis he has learned through experience of an unvaried success in thousands of cases that "If Nature won't, Pluto will."

PLUTO

FRENCH LICK SPRINGS HOTEL CO.
French Lick, Indiana

Curity
REG. U.S. PAT. OFF.

A Complete Line of
Supreme Quality

Surgical Gauze, Cotton, Bandage Rolls

Lewis Manufacturing Co.
Walpole, Mass., U.S.A.

New York Philadelphia Cleveland Chicago
Kansas City Oakland, Cal

To the Medical Profession Specify—

UPSON FIBRE TILE—an ideal Wallboard for Hospitals, Kitchen Cabinets, Booths, etc., a snow white waterproof tile for all interiors.
(Non-conductor)

STAR BRAND ASBESTOS—Lumber, Wall, Ceiling and Floor Board — fireproof, waterproof, germ-proof, for interior and exterior use.
(Non-conductor)

A beautiful everlasting soft grey color. or can be tinted in soft tones of beauty.

Recommended by the Medical Profession everywhere. Write for samples.

The Woodbridge Company
Selling Agents, 43-47 Hayter St., Toronto, Ont.

92% OF THE HOSPITALS

WHO FAVOR US WITH THEIR PATRONAGE, BUY

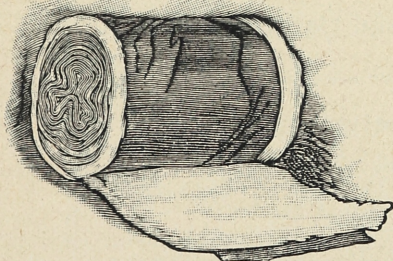
“ABSORBON”

The Low-Priced Absorbent Cotton of Quality

in preference to other brands, because it is better value at the price than any other brand on this market.

Guaranteed pure, sterile—passes through the same 50 different operations as our higher grades—sells for less because made from short staple cotton which costs less than long fibre cotton though quality is identical.

Investigate—A postcard brings samples and prices to your desk.



Maplewood Mills

Largest Manufacturers in the World
1296 Stafford Road, Fall River, Mass.

When writing advertisers, please mention The Hospital World.

Quotations from Doctors: No. 7

"The majority of cases of pneumonia, in my experience of thirty years' medical practice, have had more or less pleuritic complications.

"I presume this is the experience of my colleagues.

"The most grateful application that can be made to a patient suffering with pneumonia is a warm

Antiphlogistine
TRADE MARK

poultice under a moderately firm binder or jacket. Its action is, first through the superficial vessels, and then more slowly but just as efficiently on the deeper congested parts."

J. A. H., M.D.,
NEW YORK CITY, N.Y.

THE DENVER CHEMICAL MFG. COMPANY - MONTREAL

YOUR BATTERY LOSES ITS VIGOR

Because the positive paste falls off the grid. The diamond grid of the "Philadelphia" battery holds the paste between two lattices of lead, outside of which a slotted hard rubber insulation plate retains even small loosened granules.

TWO YEARS of service guaranteed in any high-grade car.
Ask for literature.

**PHILADELPHIA
BATTERY SHOP**
69 Richmond St. East

Adelaide 5265

Sal Hepatica

THE STANDARD
SALINE LAXATIVE

Samples on request

Bristol-Myers Co.
New York



DIX-MAKE

"This is a
DIX-MAKE
Dress"

No. 400

The authorized government uniform during the war. Of superior quality Dixie Cloth; women's and misses' sizes.

Price reduced to . . \$6.00
Other styles reduced to \$5.00



Prices Reduced!

DIX-MAKE UNIFORMS can now be purchased at lower prices than during the past year or more.

The lessened cost of materials make the present reductions possible, and we are glad to contribute our share in an effort to bring down the price of Uniforms to you.

Please be assured that quality of materials, workmanship and every detail of Dix-Make Uniforms are rigidly upheld by us, and that we shall continue to spare no effort in our endeavor to make for you as satisfactory uniforms as our experience and ability enable us.

Every DIX-MAKE garment bears the DIX-MAKE label, and is sold by leading department stores nearly everywhere. Write us for Catalog EE and list of dealers.

HENRY A. DIX & SONS COMPANY
Dix Building
New York City



DESCRIPTION OF DOLL.—Over 5 feet tall, made of finely woven stockinet. Is durable, waterproof and sanitary. Has copper Reservoir which has three tubes leading into it, corresponding in location and size to the urethra, vaginal and rectal passages.

No Hospital Training School
complete without

The Chase Hospital Doll

Adult size, also infant models, 2, 4 and 12 months, and 4-year-old sizes.

Chase dolls are well made of cloth, jointed, and painted with waterproof paint, with internal reservoirs.

The Value

of this substitute of a living model is found in the many practical lessons which can be taught in the class room, such as handling of patients, administering enema, douching, probing in the ear and nose cavities—in short, the complete care of the patient.



We make dolls without reservoir if desired. Send for illustrated booklet giving full particulars.

M. J. CHASE

22 Park Place, Pawtucket, R.I.

Easifirst

The economical Shortening that will raise your baking and cooking to the highest point of perfection.

Get a trial carton with your next order.

GUNNS LIMITED

West Toronto, Ont.

We can make
Special Forms

exactly duplicating
any hand.

Can put name on
any gloves so that
it will not sterilize
off.

Insure to your own
use the gloves you
pay for



Specialists in the Manufacture of
Seamless Rubber Goods
Of Every Description

The Only Makers of
Seamless Rubber Gloves
in Canada

Sterling Rubber Co., Limited
GUELPH

The New Cup

that Provides Clean
Drinking Facilities and
Furnishes the Necessary

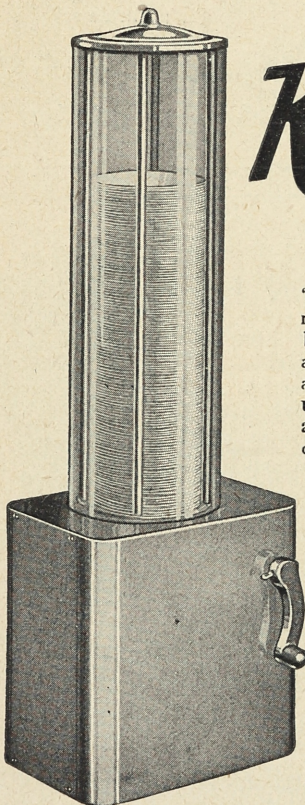
"Cups of



Cleanliness"

"Ounce of Prevention"

IN Hospitals, Schools, Churches, Clubs, Public and Private Institutions of all kinds—the new "Konex" Individual White Paper Cups and Dispensing Service offers an efficient, economical and practical method of preventing disease, by affording clean, safe water-drinking facilities at minimum cost.



White Metal and Aluminum
"Konex" Dispensing
Machine.

Konex

Paper
Drinking
Cups
with

Dispensing Machine and
Soiled Cup Container

"Konex" Cups are cone shaped—made by automatic machinery from pure, white, unwaxed paper—and are 100% hygienic, because the dust-proof white metal and aluminum dispenser protects and delivers them one at a time, as needed, "Konex" Cups are absolutely untouched by hand until the moment they are actually used for drinking purposes. Being cone-shaped each cup falls on its side after use and is discarded. This means a clean cup for every person and eliminates entirely the contaminating dangers of the common drinking glass.

The new "Konex" Service will meet the unhesitating approval of the medical profession because of its efficacy, its simplicity, its health-protective features. Highly recommended for all public and private institutions—easily installed—inexpensive to maintain. Cups cost only about ¼ cent each.

Descriptive literature gladly sent
free on receipt of postcard or
telephone enquiry—Adelaide 4062.

"Vortex" Division

Canadian Wm. A. Rogers Limited
570 King Street West, Toronto

Try a Lifebuoy Bath Yourself, Doctor

See if its cleanly odour—its creamy, velvety lather and the healing of its antiseptic vegetable oils do not have a wonderful tonic effect.

LIFEBUOY HEALTH SOAP

Is made from materials the purity of which is beyond question. It is more than soap—it is antiseptic and germicidal in character—it is best for the bath, at any age—it is par excellence the soap for washing all garments that touch the skin and for all housework.

Grocers and Stores everywhere sell it

Lever Brothers Limited, Toronto



INGRAM & BELL LIMITED

256 McCAUL STREET
TORONTO

Complete Supply House for all
Physicians' Hospital and Sick Room
Requisites



The Prevention of Fires in Hospitals

Of all buildings where a fire should be rendered an impossibility, a Hospital, Asylum or Sanatorium should come first. There should not be an Institution taking care of the sick whose Medical Superintendent does not give this first consideration.

The most effective means yet discovered of extinguishing a fire in its incipient stage is

THE Pyrene Fire Extinguisher

A fire appliance approved by the National Board of Fire Underwriters.

PYRENE in the Hospital will relieve you of that unpleasant feeling of worry and strain, and the thought that some day you will be visited by fire which will perhaps destroy both life and property.

PYRENE Liquid is a combination of purely organic materials, having an aromatic odor and a high specific gravity. **PYRENE** contains neither acid, alkali, salts nor moisture, and will not stain the most delicate fabric or injure anything with which it may come in contact.

15% off Insurance rate when Pyrene is installed on auto or motor truck

When **PYRENE** Liquid is subjected to a temperature of 90 degrees F. or over, it is immediately transformed into a heavy dry, cohering, non-poisonous gas blanket which surrounds the burning material, cutting off the air supply necessary for the life of the fire, and thereby extinguishing it.

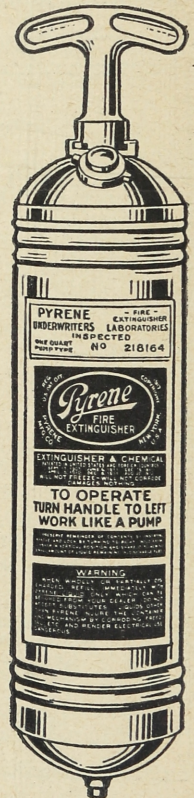
PYRENE IS A NON-CONDUCTOR OF ELECTRICITY

A **PYRENE** FIRE EXTINGUISHER should be placed in the corridors, pantries, wards, operating-rooms, Superintendent's and janitor's rooms, kitchen, boiler-room and in close proximity to the nurses' sleeping apartments. By so doing an incipient blaze can be immediately put out. It can be operated by a nurse or a boy.

Prices on application

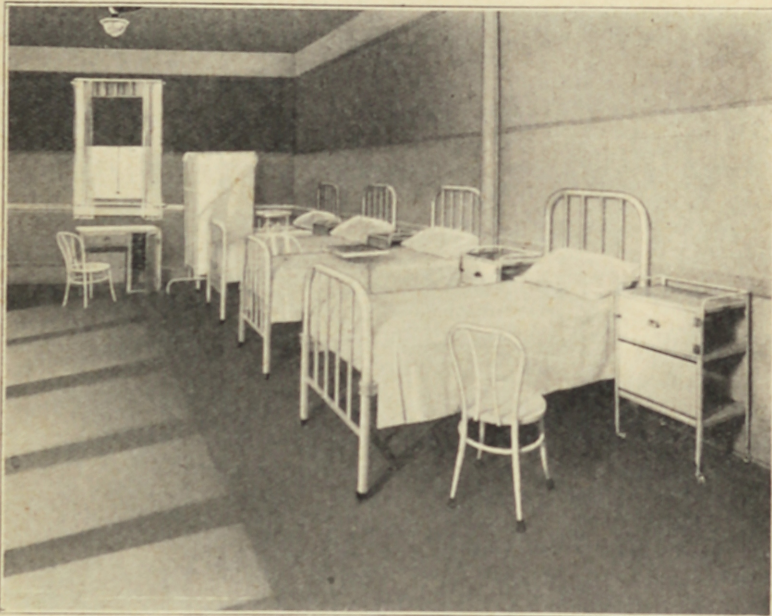
The Pyrene Manufacturing Co.
of Canada, Limited

118 Craig Street West, Montreal, Que.



World-Wide Service to Hospitals

Our line is limited only by the maximum demands of the Modern Institution and we invite comparison of quality with the highest priced goods in the world



Write for Catalogue No. 20

showing a complete and up-to-date line of

Hospital Furniture

Surgical Instruments

Medical Supplies

Drugs and Pharmaceuticals

Order by Mail — Direct from Factory

Our Unconditional Guarantee Assures You of Personal Satisfaction on Every Order

FRANK S. BETZ CO.

CHICAGO

HAMMOND, IND.

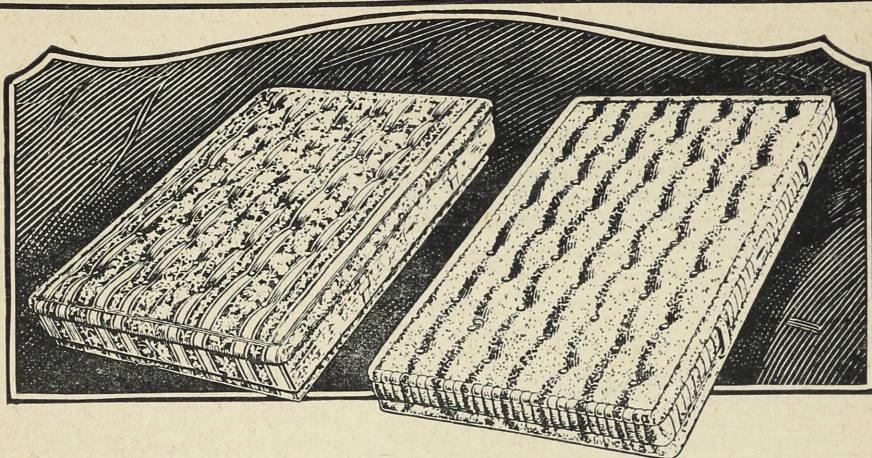
NEW YORK

30 E. Randolph St.

U. S. A.

6-8 W. 48th St

When writing advertisers, please mention The Hospital World.



"WALDORF" BOX SPRING

"ALASKAN" MATTRESS

What makes Simmons Springs and Mattresses so much more restful than others?

WHEN a man starts a day with a grouch, people are apt to say: "Oh, he got up out of the wrong side of bed." Probably his bed is more to blame than he is.

How can anyone be expected to get a real night's sleep on the bumps and hollows of the ordinary spring and mattress?

For perfect relaxation and sound sleep, one needs a firm but soft mattress—and under it a flat, resilient Box Spring.

Here is the combination that lets the body relax. It gives to all the contours, yet holds the spine level in any sleeping position.

You should know the Mattress and Box Springs made by Simmons Limited.

Built for Sleep by the makers of these fine Simmons Beds. Sweet and clean through and through.

The "ALASKAN" Mattress and "WALDORF" Box Spring are great favorites all over the Dominion. Excellent quality at the medium price.

Your dealer will show you other Simmons models, too, at other prices.

Also **Fabric Springs** built for sleep by

SIMMONS LIMITED

Montreal

Toronto

Winnipeg

Calgary

Vancouver

Makers of

SIMMONS BEDS

Built for Sleep

When writing advertisers, please mention The Hospital World.

ANNOUNCEMENT

TO

Anaesthetists and Surgeons

The results of analysis of samples of leading makes of ETHER, as conducted by The University of Toronto, showed that **Franco American Ether contained no impurities**, which are common in ether, while all other samples examined contained some of the following impurities;—residue, ethyl peroxide, aldehydes, sulphur compound, water, acetone, acidity or odor on evaporation.

Franco American Ether has been used by the TORONTO GENERAL HOSPITAL and other leading Institutions very successfully for some time past. When ordering, **specify Franco American Ether, the purest ether at a moderate price.**

ANTIDOLORIN, ethyl chloride U.S.P. in automatic glass containers, THE STANDARD OF PURITY.

CHLOROFORM for anaesthesia in 1-lb. bottles

Manufactured by

FRANCO AMERICAN CHEMICAL WORKS

Carlstadt, N.J.

J. A. MacDONALD, Phm. B. Chief Chemist, Toronto General Hospital
Canadian Representative

ALL ORDERS RECEIVE PROMPT ATTENTION

AN ODORLESS and COLORLESS DEODORANT and DISINFECTANT

Medical Practitioners know well how unpleasant the atmosphere of a sick room can be made by the use of a strong smelling Disinfectant. Such is not now necessary, as there has been placed upon the market a preparation of undoubted value, known as

EX-ODOR

that is absolutely odorless and colorless. It requires no dilution, is always ready for use, and does not deteriorate. **IT IS IDEAL FOR USE IN HOSPITAL WARDS, PANTRIES, CELLARS, AND POST-MORTE ROOMS.**

CRYSTALLENE

will be found to be a most effective preparation for the cleansing of Abscess Cavities, in Eczema, Hemorrhoids, Coryza, etc. In indolent ulcers it should be used, at first, full strength, afterwards diluted, as granulation tissue appears. To be used under the direction of Physician, Surgeon or Dentist.

THE ALLEN-ROBINSON CO., LIMITED

TORONTO

NEW YORK

277 Logan Avenue, TORONTO. Gerr. 430

When writing advertisers, please mention The Hospital World.

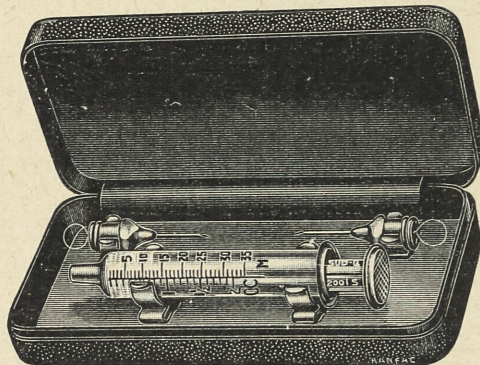
RANFAC PRODUCTS

SAFETY
ASEPTIC
THE SUB-Q
TRADE MARK

All-Glass Syringes With Ground Slip Points

It will be welcome news to the thousands among the Profession, who, during the past twenty years, have used the SAFETY ASEPTIC SUB-Q SYRINGE with screw thread—to learn that *their good old stand-by is now obtainable with GROUND SLIP POINT*, to take PARIS (American Luer Slip) Needles. In all sizes, and in a choice variety of cases.

The Nurse's Special, \$2.25



Ranfac No. S/364—Outfit No. 2141S

The above outfit consists of a 35 Minim Sub-Q Syringe (graduated also in Cc's), two PARIS (American Luer) Slip Point Needles, *RAB* Quality, and accessories, all mounted on removable metal rack and contained within a hinged, metal case, covered with beautiful blue "Texol."

Write for Booklet No. S-33

THE RANDALL-FAICHNEY COMPANY, INC.,
Instrument Makers
BOSTON, 30, MASS., U. S. A.



DOUBLE TRAGEDY AT OTTAWA WILL BE INVESTIGATED

Two Women Suffocated in
Fire at Private Maternity
Hospital

WIRING WAS PRIMITIVE

Proprietor of Hospital Says
He Was Never Instructed
To Install Fire Es-
capes

Ottawa, May 13.—(By Canadian Press.)—It has been decided to conduct a searching investigation into the fire which occurred early this morning at the private maternity hospital of Dr. F. C. Hagar, in which two patients lost their lives. The deputy fire marshal of Ontario, Mr. George F. Lewis, of Toronto, in Ottawa

provided the quickest and most modern science of bringing the Civic Fire Department to the scene of the fire.

There is a Northern Electric System to meet the requirements of every institution in this country be it large or small.

To-day's investigation and action may prevent to-morrow's sorrowful meditation.

Our nearest house will be glad to furnish full particulars.

HALIFAX
QUEBEC
OTTAWA
TORONTO
HAMILTON

Northern Electric Company
LIMITED

LONDON

MONTREAL

WINDSOR

WINNIPEG
REGINA
CALGARY
EDMONTON
VANCOUVER

Two Lives That
Might Have Been Saved

by a

**Northern
Electric**

GAMEWELL

Fire Alarm System

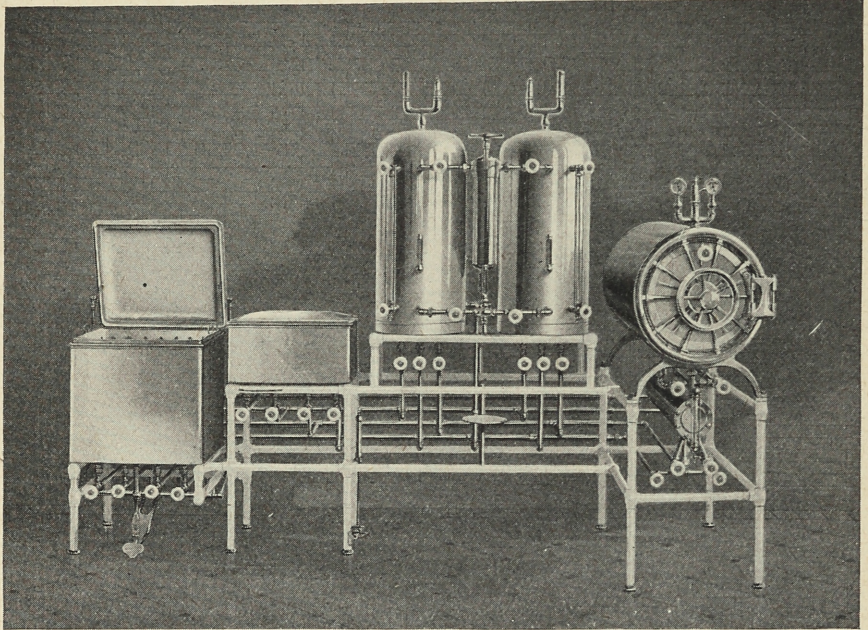
THERE is nothing more tragic than a Hospital fire. Yet in these days of supposed enlightenment, accurate statistics tell us that in Canada and the United States, a hospital burns every day.

Largely because of ignorance and carelessness and a criminal disregard of the fundamentals of fire prevention and fire protection, the lives of new-born babies, their mothers, of orphans, of the crippled and the blind are snuffed out singly, in small groups and occasionally by the score.

A Northern Electric - Gamewell Fire Alarm System might have prevented this tragedy. One thing is certain—it would have

dependable method known to

When writing advertisers, please mention The Hospital World.



BATTERY OF "WHITE LINE" HIGH PRESSURE STERILIZERS

INTO the construction of "White Line" Apparatus only such materials are permitted to enter as we know from years of experience will serve the purpose intended to advantage. "White Line" Equipment is built to give long years of highly efficient service.

Write our Engineering Department for layout, plans and specifications.

SCANLAN-MORRIS COMPANY

"The White Line"

MADISON, WISCONSIN, U.S.A.

When writing advertisers, please mention The Hospital World.

Accommodation for Out-of-Town Patients

Physicians should remember that
the management of

THE ARLINGTON HOTEL

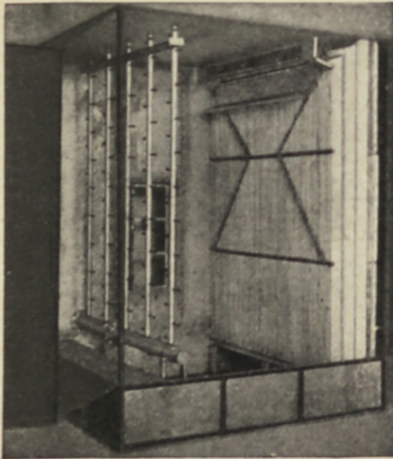
Corner King and John Sts., Toronto

(re-opened recently) will be glad to entertain as guests their out-of-town patients.

This structure has been completely renovated and newly furnished, and will have every modern improvement. Rates strictly in accordance with the most up-to-date service.

Rooms obtainable with either running hot and cold water, or with bath, as desired.

The Arlington Hotel is but three blocks from the new Union Station.



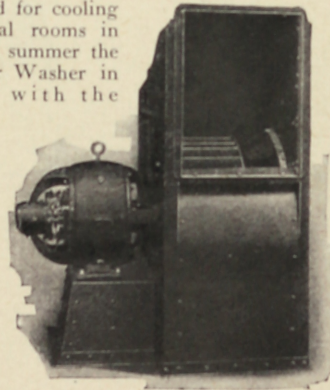
Our new catalogue
"Fan System of Heating, Ventilating and Humidifying"
will be sent on request.

Canadian Blower & Forge Company
Limited
Kitchener, Ontario

WASHED AIR

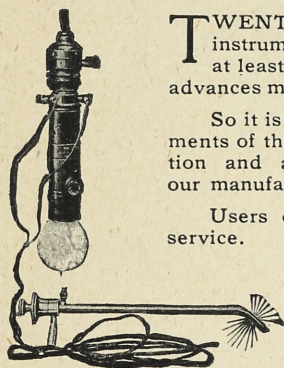
The necessity of ample ventilation in hospitals is not receiving the proper attention by those most concerned. Although absolute cleanliness is paramount in the mind of the physician it is really surprising that this question is so frequently lost sight of when hospital ventilation is considered. This matter is being brought forward by the leading engineers and is gradually coming into its own.

When used for cooling the hospital rooms in the heat of summer the Carrier Air Washer in connection with the Canadian Fan System proves efficacious and convenient.



When writing advertisers, please mention The Hospital World.

ELECTRICALLY LIGHTED INSTRUMENTS



TWENTY years in the manufacture of electrically lighted surgical instruments, if it has not brought perfection in instrument construction at least has kept the Electro Surgical Instrument Company abreast of the advances made by leading specialists of the Medical and Surgical Profession.

So it is that instruments stamped "E.S.I. Co." speak of the accomplishments of the noted men whose suggestions are embodied in their construction and a service of maintenance possible only in instruments of our manufacture.

Users of instruments stamped "E.S.I. Co." are certain sharers in this service.

Illustrated Catalogue Sent Upon Request

Electro Surgical Instrument Company
ROCHESTER, N.Y.

Proved 100% Efficient by Analytical Test

and recommended by over 50% of Canada's dentists, is the record that stands behind Minty's Tooth Paste because it accomplishes all the requirements of a perfect dentifrice.

Minty's Tooth Paste

is so full of cleansing action and its pleasing taste and the wonderful after effect delights the senses so long after using that its regular use after every meal and at bedtime makes the whole being feel better.

Try it and be convinced, and recommend it to your patients.

PALMERS LIMITED . MONTREAL



When writing advertisers, please mention The Hospital World.

SANITARY BRUSHES

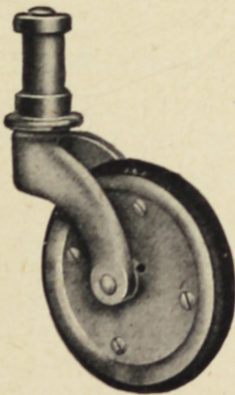
DOCTOR,

We take pride in calling your attention to our Sanitary Brushes. Every bristle is set in steel wire that is galvanized, preventing rust and holding the bristles firmly. Our brushes are not affected by heat, a fact that physicians and hospitals will appreciate. No institution can make a mistake in sending us a trial order.

CANADIAN BRUSH COMPANY
Rear No. 7 McCaul Street : TORONTO
Phone "Adelaide 3497"

J & J

Rubber Tired Hospital Bed Casters



The attention of Canadian Hospitals is called to what has been admitted to be the best Hospital Caster on the market. This Caster has been adopted as standard by many manufacturers of Hospital Beds. All parts are free from openings and cannot collect dust. They are silent, strong and easy running, and have clincher type tires. Can be supplied in all sizes.

Write for our complete Catalog.

Jarvis & Jarvis

Manufacturers of
Superior Hospital Wheels and Casters
Palmer - - Mass.

When writing advertisers, please mention The Hospital World.

“There is probably no class of ills so overlooked or unrecognized until irreparable injury has been done as diseases of the kidney.”

The organo-therapeutic treatment of nephritis is not the result of hasty unconfirmed theory. Instead, it has slowly but progressively developed from years of painstaking research and clinical investigation, until to-day

NEPHRITIN

a product presenting all the active substances of the normal kidney, is broadly recognized as the most logical remedy for all forms of renal disease.

What stronger evidence could be offered than careful clinical records which show that 85% of acute and 55% of chronic cases have responded to treatment with Nephritin?

6M

Send for sample and note the results in some one case of Nephritis

REED & CARNRICK
JERSEY CITY,
N. J.

It's a Question

Is there anything more important than the proper handling of your foodstuffs?

Investigate

**CLEAN SANITARY EFFICIENT ECONOMICAL
 MECHANICAL REFRIGERATION**

The following are some of those who **have** investigated and **installed** refrigerating plants:

- | | | |
|--------------------------------------|---------------------------------|--|
| Royal Victoria Hospital,
Montreal | Children's Home, Winnipeg | General Hospital,
Sault Ste. Marie |
| Toronto General Hospital,
Toronto | St. Michael's Hospital, Toronto | Mountain Sanatorium, Hamilton |
| City Hospital, Hamilton | Soeurs de la Charite, Quebec | Camp Hill Military Convalescent
Hospital, Halifax, N.S. |
| | Byron Sanatorium, London | |

CONSULT US

CANADIAN ICE MACHINE CO. LTD.

CALGARY WINNIPEG TORONTO MONTREAL



Eminent Painters Design Our Boxes

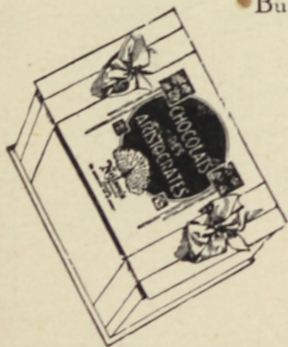
WHY? Because we believe their appearance should reflect the quality of their contents. And their contents are a triumph of the confectioner's art.

After a design is perfected, no detail is neglected to make the box an artistic triumph.

The shaping of the corners, the colour and tie of the ribbon, everything is made to harmonize.

As a result, the Gift of a Box of Neilson's is always a joy to the eye and to the palate.

● Buy to-night—a Box of Neilson's *Chocolats des Aristocrates*



Neilson's

"The Chocolates that are Different"

When writing advertisers, please mention The Hospital World.

HOSPITAL PLUMBING

The attention of Hospital Superintendents is called to our

Sanitary Hospital Fixtures

We carry a full stock of these fixtures and are in a position to submit prices on request.

Our goods are the finest that are obtainable, and have been installed in some of the most modern Hospital Buildings throughout the Dominion.

PURDY MANSELL, LIMITED

63 ALBERT STREET, TORONTO

Fecto

☞ A solution of hypochlorites and chlorine containing 4% of available chlorine.

☞ FECTO is the ideal Germicide and Disinfectant for general use, particularly in Homes and Hospitals.

☞ It is obtainable through druggists, and supplied in 4 fl. oz. and 16 fl. oz. bottles, as well as in 1 and 5 gallon containers.

☞ Write us for descriptive literature giving full directions for use.

PARKE, DAVIS & CO.

WALKERVILLE, ONT.

MONTREAL BRANCH
45 St. Alexander St.
Read Building

WINNIPEG DEPOT
301 Keewayden Building

TORONTO OFFICE
422 Ryrie Building

When writing advertisers, please mention The Hospital World.

The Hospital World

TORONTO, CANADA

A Journal published in the interests of Hospitals, Sanatoria, Asylums
and Public Charitable Institutions throughout the British Empire

Vol. XVIII. TORONTO, DECEMBER, 1920 No. 6

Editorials

THE CANADIAN HOSPITAL ASSOCIATION

WE have been informed that at the Montreal meeting of the American Hospital Association a recommendation was made that states and provinces should all organize Hospital Associations. The Alberta Association, at its recent meeting, passed a resolution calling upon the hibernating Canadian Association to arouse and act. It is easy to pass resolutions and advise; but to get the Canadian Association again under way some active interested hospital workers must take the initiative. We have no doubt Dr. E. H. Young, the president of the association, knows where to lay his hand on the "live wires." We trust he will call a representative group together soon and get things under way for a national convention in 1921.

This association might meet alternately in each province in conjunction with the Provincial Hospital Association; or it might meet at the same time and in the same place as the Canadian Medical Associa-

tion. Such an arrangement would tend to benefit, and many doctors would be keenly interested in the welfare of both societies. Though they might not have time to attend two separate meetings in different places at different times, if the meetings were held simultaneously or on contiguous groups of days, in the same place, they could attend meetings of both associations or such portions of both meetings as attracted them most.

As official organ of the Canadian Hospital Association, THE HOSPITAL WORLD will assist in every possible way to revive and support it.

THE ALBERTA HOSPITAL ASSOCIATION

We publish, with much satisfaction, a summary of the work done at the second meeting of this association.

We congratulate the association on its action in relation to several things: it has aligned itself (1) with the graduate nurses, who are, in the main, the hospital superintendents; (2) with the provincial university, with which institution negotiations are to be made looking to the training of nurses in the theory of nursing and in the preliminary scientific studies; (3) with the Provincial Board of Health, which has so much to do with the prevention of disease, the erection and support of hospitals; and with the medical profession, who do most of the medical work of the hospital free. We also commend the attitude of the convention in respect to standardization. The Province of Alberta proposes to have a

standard of its own—one suitable to the particular hospital conditions which prevail in Alberta. Quite right. Their decision in respect to records is praiseworthy. Good records will result in good work. A poor operator will not want accurate records of his work. "Putting it all down in black and white" will tend to eliminate the occasional bungler who thinks he knows how to operate but doesn't.

Their action in appealing almost fervently (as we have done) to the Executive of the Canadian Hospital Association to wake up and re-organize their dormant body is important, and, we trust, Dr. E. H. Young, who has made such a name for himself in connection with psychopathic hospitals, will "get busy" at once.

And lastly, we feel gratified that the convention decided to make THE HOSPITAL WORLD the organ of the Alberta Hospital Association. This journal solicits the assistance and co-operation of every hospital, every hospital organization and hospital worker throughout the Dominion, and will do all in its power to help in the work of publicity of proceedings of association meetings, publishing items of news in respect to construction, alteration, or improvement in hospital buildings; in respect to medical and nursing staff work, and will gladly receive for publication papers relating to organization, maintenance, construction, housekeeping, bookkeeping, from anyone interested in hospital problems.

We congratulate the Executive of the Alberta Association on their broad and strong policy and wish it unbounded success.

The Hospital World

(Incorporating The Journal of Preventive Medicine and Sociology)

Toronto, Canada

A Journal published in the interests of Hospitals, Sanatoria, Asylums and Public Charitable Institutions throughout the British Empire

Editors :

JOHN N. E. BROWN, M.B. (Tor.), Ex-Sec'y American and Canadian Hospital Associations. Former Supt., Toronto General and Detroit General Hospitals.

W. A. YOUNG, M.D., L.R.C.P. (London, Eng.), Toronto, Ont. Consultant, Toronto Hospital for Incurables.

ALEXANDER MacKAY, M.D., Inspector of Hospitals, Province of Ontario; Former Chief Medical Officer, Board of Education, Toronto.

Associate Editors :

Ontario

C. J. C. O. HASTINGS, M.D., Medical Health Officer, City of Toronto.

N. A. POWELL, M.D., C.M., Senior Assistant Surgeon-in-charge, Shields' Emergency Hospital, Toronto.

P. H. BRYCE, M.D., Chief Medical Officer, Department of the Interior, Ottawa.

HERBERT A. BRUCE, M.D., F.R.C.S., Founder of Wellesley Hospital, Toronto.

J. H. HOLBROOK, M.B., Physician-in-Chief, Mountain Sanatorium, Hamilton.

C. K. CLARKE, M.D., LL.D., Medical Director of the Canadian National Committee for Mental Hygiene, Toronto.

HELEN MacMURCHY, B.A., M.D., Assistant Inspector of Hospitals, Province of Ontario, Toronto.

J. W. S. McCULLOUGH, M.D., Chief Officer of Health for the Province of Ontario, Toronto.

J. H. ELLIOTT, M.D., Asst. Medicine and Clinical Medicine, University of Toronto.

H. A. BOYCE, M.D., Kingston, Ex-Secretary American Hospital Association.

GEORGE D. PORTER, M.D., Toronto, Secretary Canadian Tuberculosis Association.

G. MURRAY FLOCK, M.B., Physician-in-charge, Essex County Sanatorium, Union-on-the-Lake, Kingsville.

C. M. HINCKS, B.A., M.B., Assistant Medical Director of the Canadian National Committee for Mental Hygiene, Toronto.

Quebec

H. E. WEBSTER, Esq., Superintendent, The Royal Victoria Hospital, Montreal.

A. K. HAYWOOD, M.D., Superintendent, Montreal General Hospital, Montreal.

J. R. BYERS, M.D., Superintendent, Laurentian Sanitarium, Ste. Agathe des Monts.

Nova Scotia

W. H. HATTIE, Provincial Health Officer, Department of Public Health, Nova Scotia, Halifax.

Manitoba

DAVID A. STEWART, M.D., Medical Superintendent, Manitoba Sanatorium for Consumptives, Ninette.

Alberta

T. H. WHITELOW, B.A., M.B., University of Toronto, Medical Officer of Health, Edmonton.

A. FISHER, M.D., Superintendent, Calgary General Hospital, Calgary.

Saskatchewan

J. G. WRIGHT, M.D., C.M., Regina.

M. R. BOW, M.D., Superintendent, Regina General Hospital, Regina.

British Columbia

ARTHUR G. PRICE, M.D., Medical Health Officer, City of Victoria, Victoria.

M. T. MacEACHERN, M.D., Superintendent, Vancouver General Hospital, Vancouver.

H. C. WRINCH, M.D., Superintendent, Hazelton Hospital, Hazelton.

Great Britain

CONRAD THIES, Esq., late Secretary, Royal Free Hospital, London, England.

DONALD J. MACKINTOSH, M.D., M.V.O., Medical Superintendent, Western Infirmary, Glasgow, Scotland.

United States

CHRISTIAN R. HOLMES, M.D., Cincinnati, Ohio.

MISS MARGARET CONROY, Boston, Mass. F. C. ENGLISH, M.D., Director of Surveys of Hospitals and Homes for the Aged and Children, Saint Luke's Hospital, Cleveland, Ohio.

THOMAS BEATH, M.D. (late Superintendent, Victoria Hospital, Winnipeg), Raleigh, N.C.

All Communications, Correspondence, and Matter regarding Subscriptions and Advertisements TO BE ADDRESSED TO "THE HOSPITAL WORLD," 145 COLLEGE ST., TORONTO, CANADA.

Reprints, including Half-tones, etc., Supplied Authors at Net Cost.

Original Contributions

RURAL HOSPITALS IN ALBERTA

By WM. HAY WILLIAMSON, CHICAGO, ILLINOIS.

UNDER the terms of an act recently passed by the Provincial Legislature of Alberta, the province has begun the construction of municipally controlled hospitals on such a scale that, when completed, no resident of Alberta shall be more than thirty-five miles from a good hospital where he shall have absolutely free hospital accommodation and nursing service for himself and family.

Instead of coming within the category of charity institutions, service at these hospitals, the cost of construction and maintenance, conduct, standards, all will be analogous to that of the free public schools. In effect, this might be termed a provincial system of sickness and accident insurance, in which the taxpayers pay the premiums and "cash in" on the benefits whenever afflicted.

When one considers that the area in Alberta is 255,285 square miles, or nearly as large as the combined areas of Illinois, Iowa, Michigan, Indiana and Arkansas, it will be seen that this Canadian province has bitten off a large chunk. But, the fact remains that the work is being rushed; five hospitals are complete and in active operation; two more, both of which are quite large, are rapidly nearing completion; surveys have been made, plans drawn, and the plebiscite required by statute will be taken shortly, in six more districts; while preliminary surveys are being made all over the province.

Hospitals, already completed and in operation, are located in Mannville, Islay, Cardston, Bassano and Onoway. Vermilion district hospital will soon be a going concern, and the big Drumheller institution is nearly ready to receive patients. Votes will soon be taken in Stettler, Big Valley, Hanna, Spirit

River, Grand Prairie and Viking. In all of these districts, the surveys have been made and boundaries determined, and the beginning of actual construction work merely awaits the formal ratification of the taxpayers.

During the last session of the legislature, a distinct Department of Health was created and given formal jurisdiction over the following previous acts of the legislature: Public Health Act, Public Health Nurses' Act, Registered Nurses' Act, Municipal Hospitals' Act, Venereal Diseases Act, Medical Profession Act, Alberta Pharmaceutical Association Act, Dental Association Act, Marriage Ordinance Act and Vital Statistics Act.

Officers provided under the law are, Minister of Health, Deputy Minister of Health, Provincial Board of Health, Provincial Sanitary Engineer, five Provincial Sanitary Inspectors, Secretary of the Hospitals Branch, and Superintendent of Public Health Nurses. During the past year, approximately \$100,000 was appropriated by the province in hospital grants, and every possible effort is being made to provide for the physical as well as mental wellbeing of Albertans.

The Honourable A. G. Mackay, M.A., K.C., Minister of Health, thus briefly sums up the intent of these measures, coincident with other constructive measures passed and enforced by the province:

"The position taken by the government is, that no settler should be induced to become a resident of this province unless the province is prepared to follow immediately with a school in which to educate his children, a highway upon which to reach his market, and, last, but by no means least, a hospital where he or any members of his family may receive proper attention in case of accident or ill-health.

"Frontier settlers must be provided with hospital accommodations; and, particularly in maternity cases and other cases that can be predetermined, the province must bring the patient to the hospital. Where the settlers are poor, as settlers on the fringe of settlement often are, it will be the duty of the province to provide the conveyance and pay all necessary bills and expenses."

Brought right down to brass tacks, the broad principles of this Public Health Act are, that every life saved in Alberta is a citizen preserved, and that the potential value of a baby is entirely too high to be regarded lightly in a growing country. Further, the act is so drawn that, instead of the provincial government demanding that the districts perform certain work, each district offers and agrees, for the sake of its own wellbeing, to contribute to the safety and welfare of the province.

In order that that point may be emphasized, and to the end that public opinion may be strongly behind the movement, with no uncertainty regarding the will of the district, the law requires that the scheme must carry by a vote of two to one. The municipal councils having jurisdiction in the proposed district, select the representatives for the Hospital Board. That Board chooses the site and prepares the allotment to be apportioned against each section of the district.

Any district may appeal from this allotment or from the site tentatively chosen to the Public Utilities Commission, and this commission, after careful review, either confirms or alters the proposals of the board. When that is complete, the board proceeds with the erection of the hospital. Annual apportionment of expense maintenance is made by this board, chosen annually by the people of the district, so that the whole proposition is under direct control of the people, with government supervision, in like manner as the public school system.

TRANQUILLE, SANATORIUM, BRITISH COLUMBIA

By C. W. HIGGINS, M.D., CHICAGO, ILLINOIS.

It is an ill wind that blows nobody good. Looking back over the past four and a half years, it is hard to believe, at first, that the fight against tuberculosis can have been helped along by the terrible world struggle just ended. This, however, is exactly what has come about, all over Canada, as an indirect result of the world war.

In the early months of the war, medical boards examining recruits for the army were not quite as careful, as they later learned to be, in passing men for service. By the spring of 1915, the results of this lack of care began to be manifest to the army authorities, especially as regards tuberculosis. When a man becomes a soldier, the country very properly assumes his physical liabilities, as well as his assets, and undertakes to see that he is looked after in case he becomes ill, and recompensed for any disability that he may acquire, providing the disability has developed while he is in the army.

The Canadian authorities soon found themselves confronted with the necessity of providing treatment for an increasing number of cases of tuberculosis. At first, existing institutions were utilized for this purpose, but, very soon, it became evident that the accommodation available was miserably inadequate. This was not surprising to those who had been actively interested in tuberculosis, previous to the war, and who had been hammering away for funds, year after year, at the door of an uninterested public and an unsympathetic government. Slowly, of course, recognition was coming, but ever so slowly.

Public opinion was aroused at last, and official recognition followed as a natural sequence, because those who had thus, unconditionally, placed themselves at their country's service must be properly taken care of. And, so, the Federal Government came to take a hand in the tuberculosis work.

GROWTH OF SANATORIA.

Existing sanatoria were enlarged and new institutions built in every province of Canada. Bed accommodation was at first doubled and then trebled, all in a little over three years. Sums of money were appropriated for the purpose which would hardly have been thought of in pre-war days by even the most sanguine, and, so, the fight against tuberculosis has advanced more in this short space of time than would have been possible otherwise in a decade or two.

What has been done, in this direction, in British Columbia, is typical of any of the provinces of Canada. Previous to the

war, there existed in the sunset province, perhaps as many beds for tuberculosis, according to population, as in any part of Canada. In 1914, the only institution in British Columbia for the treatment of tuberculosis was located at Tranquille, in the dry belt of the province. Within a decade, it had grown gradually from about twenty beds at the time of its founding, in 1907, to a capacity of one hundred.

Additions built, or now under construction as a result of the combined aid furnished the sanatorium by the Federal and Provincial Governments, have brought the number of beds available up to two hundred and thirty, with more to come. There is now, also, another sanatorium in the province which takes



Tranquille Sanatorium, British Columbia

care exclusively of returned soldiers. It is located in the Kootenay district and was opened about two years ago, having accommodation for one hundred patients.

TRANQUILLE SANATORIUM.

The sanatorium settlement of Tranquille is beautifully situated on the north side of an expansion of the Thompson River, commonly spoken of as Kamloops Lake, on the main line of the Canadian National Railways. This district, known as the "dry belt," rivals the south-western states in the smallness of its rainfall, the total annual precipitation, including snow, averaging not over nine inches. The dry belt, it would seem, is a continuation northward of the desert areas of the south-

western and western states. But, it is neither as arid nor as hot as these districts owing to the more northerly latitude. The region is mountainous, although there are no hills of any great height. To the east are the Rockies, to the west the Coast Range.

Tranquille is located about ten miles west of Kamloops, a town of 4,000 people and headquarters for the range stock industry of British Columbia. On approaching the sanatorium, what first impresses one is, the luxuriance of the vegetation as compared with the expanse of the sage-brush covered hills surrounding this settlement. This transformation is due to the magical effects of water. With the abundance of warm sunshine, prevalent in the region, almost anything seems to grow readily if water is only supplied. Irrigation is, therefore, the rule. The sanatorium ranch, which is operated independently, contains 150 acres, about 100 of which are under alfalfa to be fed to the dairy cattle that supply the sanatorium with milk.

Tranquille Sanatorium itself is a community of nearly 350 people. Both the sanatorium and the adjoining ranch belong to the British Columbia Antituberculosis Society, an aggregation of men and women united for the purpose of combating tuberculosis. Both ex-soldiers and civilians are treated in the institution, no one being refused because of lack of means.

Municipal and government support are received on a per capita basis. The accommodation consists of two kinds, depending upon the condition of the patient. An infirmary provides for those who are in need of bed-care and nursing, while ambulant patients live in the pavilions, making their own beds and going to the dining-room for their meals. Soldiers and civilians are treated alike in this as in other respects. A new one-hundred-bed infirmary has just been completed, as well as a service building containing kitchen and dining-rooms, a steam laundry, power house and garage. A new nurses' home also is under construction.

The usual sanatorium methods are applied in treatment, bedside occupation being the latest addition to the medical armamentarium. Special measures, such as, tuberculin, the x-ray and the violet ray, also are employed in suitable cases.

An occupational work-shop will shortly be in operation, where wood and metal working will be carried on, primarily for the benefit of returned soldiers. Instruction in poultry and bee-keeping also is to be provided.

When the additions are fully occupied, there will be up to 160 ex-soldiers in residence. On the whole, the returned-soldier cases are earlier and more favorable than those occurring among civilians, the latter not having had the benefit of frequent medical inspection and, therefore, earlier diagnosis.

Contrary to the popular belief, it is now pretty well established that exposure of the soldier to the effects of gas plays little or no part in the occurrence of breakdowns from tuberculosis. Many of these men would, perhaps, have broken down had they continued in civil life, and not a few were tuberculous previous to their entering the army.

The real cause, though, of such breakdowns as are directly attributable to service, is, probably, the stress of training and active-service conditions, and the exposure to which the soldier is subjected, particularly in the trenches. The new pension regulations which have recently been drawn up for the benefit of these men who have developed tuberculosis in the army are fairly liberal, but none too much so, for the sanatorium graduate has a hard row to hoe during the first six months or a year after leaving the sanatorium because of the popular prejudice that persists in regard to the disease.

A few extra dollars in the pocket may mean the avoidance of a relapse at this critical stage when, otherwise, the convalescent consumptive would be forced by the fears of his fellows to conceal his weakness and attempt to work in competition with the healthy worker during this after-sanatorium period. Such a course not infrequently leads to a second breakdown and to months of invalidism. May the public speedily realize that the sanatorium-trained and conscientious consumptive is a menace to no one, while the unfortunate individual who is ignorant in regard to his disease and the precautions which must be taken constitutes the real source of danger to the community.

Society Proceedings

SECOND ANNUAL MEETING OF THE ALBERTA HOSPITAL ASSOCIATION

THE second annual meeting of the Alberta Hospital Association took place as a conjoint meeting with the annual meeting of the Alberta Association of Registered Nurses in Calgary on October 20, 21 and 22, 1920.

There were forty-one delegates present from the sixty-odd hospitals all over the Province, some of whom had to come very great distances in order to attend, and seventy-seven visitors registered their names, although this total was greatly exceeded at both evening sessions. There can be no doubt that the idea of a conjoint meeting was a good one and of great help in ensuring the success of and interest taken in the affairs of both societies. A conjoint report of the proceedings is to be printed, and will be distributed later on.

The first duty of the Alberta Hospital Association in accordance with the resolution formed at the initial meeting last year was to adopt a constitution, of which the following are the most important features:

1. *Purpose*: To correlate as much as possible the work and aims of the hospitals of the province with those of the Departments of Health of the Provincial and Federal Governments.

2. *Officers*: The officers shall be:—Honorary President, the Hon. the Minister of Public Health, President, Vice-President, Secretary-Treasurer and an Executive Committee of Five.

3. *Membership*: Members shall be of three classes:

A. *Active Members*, having the right to vote at the annual meeting of the Association, shall be delegates chosen by (a) Hospital Boards, having paid the dues hereinafter set forth, which bodies shall be entitled to send delegates in numbers proportionate to the size of the hospital they control, that is to say: An hospital of

twenty beds and under, one delegate; an hospital of twenty beds to fifty beds, two delegates; an hospital of fifty beds and under one hundred beds, three delegates; an hospital over one hundred beds, four delegates.

(b) *The University of Alberta*, which for the purpose of sending delegates shall be regarded as an organization equivalent to the largest class of hospital in the Province.

(c) *The Alberta Medical Society*,

(d) *The Alberta Association of Registered Nurses*: Both of which organizations shall be regarded individually as organizations equivalent to the largest class of hospital in the Province.

(e and f) *Local Medical and Nursing Associations*: Each of which shall be regarded as the equivalent of an hospital of fifty beds and individually entitled to the sending of two delegates.

(g) *The Alberta Branch of the Red Cross Society*, and

(h) *The Alberta Society for the Prevention of Tuberculosis*: Each of which organizations shall be individually entitled to send two delegates.

B. *Associate Members*, having no right to vote at the annual meeting, shall include attending doctors, nurses, members of Trustee Boards and others engaged in or interested in hospital work.

C. *Honorary Members*, having no right to vote at the annual meeting, shall include all persons who, for various reasons, from time to time are chosen to be such at the annual meeting of the Association.

Membership fees will be collected from hospitals only according to the subjoined scale, and there will be no individual subscriptions. Other organizations having the right to send delegates shall do so free of all charge.

4. *Election of Officers*: At the first business session of each annual meeting a nominating committee of five active

members shall be named by the presiding officer. It shall be the duty of this committee to submit to the house at the time set for the election of officers, a report setting out the nominees chosen by it. To the names thus reported, it shall be possible for the house in open meeting to make what additions it may see fit, so that election, if necessary, may be held by ballot.

Officers may be elected from all members present as delegates and from all members nominated as delegates by their respective organizations whether they may be present at the annual meeting or not.

5. *Amendment to By-Laws*: By-laws may be amended: (a) At any annual meeting by a two-thirds vote of the active members present, provided that at least four weeks notice of the proposed amendment has been given to all active members, or (b) By a unanimous vote of all active members present approving of the introduction of the proposed amendment.

6. *Membership Fees*: All hospitals paying the following fees shall be entitled to membership in this Association:—

(a) An hospital of twenty beds and under	\$10.00
(b) An hospital of twenty to fifty beds	20.00
(c) An hospital of fifty beds or over	30.00
(d) An hospital of one hundred beds or over . . .	50.00

The following resolutions of the Executive Committee were carried by the meeting:—

1. *The adoption of THE HOSPITAL WORLD, Toronto, Canada, as the official organ of the Alberta Hospital Association.*
2. The adoption of the policy of meeting conjointly with the Alberta Association of Registered Nurses.
3. The printing of a report of the proceedings of the meeting conjointly with that of the Alberta Association of Registered Nurses.
4. The appointment of a Resolutions Committee, named by the executive.

The following resolutions were passed by the meeting:

1. *Provincial Committee on Hospital Standardization*: This resolution was passed by the meeting in full session after

prolonged and at times rather acrimonious discussion, in which the point of view of the American College of Surgeons on one hand and that to the effect that hospital standardization should come through agencies within the Province on the other were equally ably represented.

The resolution reads as follows:

That this Alberta Hospital Association approves of the principles involved in the "Minimum Standard" as stated by the American College of Surgeons, and believes that our standards should be at least as high as the standards for hospitals of the size to which those are applicable, *but* in view of the existing conditions in the Province, the Alberta Hospital Association favors the appointment of a committee of this Association and the University of Alberta and the Department of Public Health, with the request that they draw up for the government of the hospitals within the Province a concrete statement of standards as applicable to all classes of our hospitals, and further, that this be handed to the Resolutions Committee, who shall bring in a suggestion as to the method of selection of this committee.

The Resolutions Committee reported in favor of the appointment of a committee of twelve to be composed of two representatives each from the following organizations:

1. The University of Alberta. 2. The Alberta Medical Association. 3. The Department of Health. 4. Alberta Association of Registered Nurses. 5. The Alberta Hospital Association; and 6. Representatives of the Urban and Rural Municipalities, and that the executive bodies of these organizations be asked to nominate their representatives.

This was approved by the meeting.

2. Government Enforcement of the Keeping of Adequate Records: That whereas the Alberta Hospital Association assembled is convinced that all hospitals within the Province should keep some *adequate records* of all cases treated by them—That the Department of Public Health be requested to have standard forms adopted officially and provided for the use of all hospitals, and that to that end a committee, consisting of Drs.

Archer, Fisher and Fyshe be appointed by this convention to examine and approve of forms to be suggested to the Department of Public Health for this purpose, *and* that upon the establishment of such service, all hospitals receiving the Government grant shall be *required* to keep a minimum of such record, such minimum to be determined by the Department of Public Health.

The use of the word *required* in this resolution was very vigorously debated, as according to those opposing it it savored to much of compulsion. It was suggested that the word *requested* be substituted for *required*, and an amendment was motioned and finally lost, to the effect that the whole resolution after the word *and* above be removed. However, the motion was eventually carried by a satisfactory majority after two accounts had been made. As the Honorable the Minister of Public Health, who was present at the meeting, has stated that all the requests made by the Hospital Association to the Provincial Government can be very easily carried out by it, it practically means that the enforcement of an adequate system of record keeping will be made at an early date.

3. *Committee on Education of Nurses*: That there be appointed a committee on the education of nurses composed of four members (Miss Winslow, of Medicine Hat; Dean Rankin, of the University of Alberta; Dr. Fyshe, of Edmonton, and Mayor Hardie, of Lethbridge); whose duty it shall be to enquire into and report on the possibility and probable cost of an arrangement being made by which, with the assistance of the Provincial Government, the purely scientific and theoretical education of the nurses in training in the Province may be conducted in the University of Alberta, as well as into what arrangements may be made with the University of Alberta for the conduct of post-graduate courses for nurses.

4. *Inspection of Hospitals*: That whereas it is the opinion of this convention that it is in the interest of uniformity of service that all hospitals shall be subject to a periodical inspection of all their departments, that is to say, all their business and sanitary arrangements, their housekeeping departments, their

training schools, the accommodation provided for the nurses, their medical service and records, be it resolved that the Department of Public Health be petitioned to establish such service for the hospitals of the Province.

5. *Provincial Home for Old People and Incurables*: That this conjoint convention in session memorialize the Provincial Government with regard to the need of the speedy provision of an institution for the care of the incurable, the aged and such patients, other than those suffering from infectious diseases, for whose maintenance in active treatment hospitals are not designed and whose presence therein precludes the beds they occupy from being put to their proper use.

6. *Course of Study in Nursing Schools and Regulations for Examinations*: That the Alberta Hospital Association request the Provincial Government to empower the University of Alberta to outline the course of study for nurses in training schools in the Province and to prescribe the regulations governing the examinations leading to the degree of R.N.

7. *Trained Attendants*: Whereas it has been found, and is believed to be impracticable to conduct the education of the trained attendant in any hospital, be it resolved that the Department of Public Health be requested to make arrangements for the training of these persons, and be it respectfully suggested to the Department of Public Health that the Agricultural Schools already existing would form suitable media for this purpose.

8. *Canadian National Hospital Association*: That the Alberta Hospital Association in convention assembled realizing the great importance of an active Canadian National Hospital Association, do earnestly entreat the executive of the Canadian Hospital Association to reorganize and arrange a convention for 1921.

9. *Western Canadian Hospital Association*: That pending the revival of the Canadian Hospital Association, this Association affiliate with the Western Canadian Hospital Association, with the distinct understanding, that if the National

Organization be revived, it discontinue its affiliation with the Western Association and affiliate with the National Association.

The secretary-treasurer was instructed to apply to the Provincial Government for the incorporation of the society.

The election of officers for the ensuing year was as follows: Honorary President, Hon. C. R. Mitchell, Minister of Health; President, Dr. A. E. Archer, of Lamont; Vice-President, Dr. A. Fisher, Superintendent Calgary General Hospital; Secretary-Treasurer, Dr. J. C. Fyshe, Superintendent Edmonton Hospital Board; Executive Committee, Mayor Hardie, Lethbridge; Miss L. Edy, of Calgary General Hospital; Dr. D. G. Stanley, of Calgary; Dean Kerr, University of Alberta; Rev. Father Cameron, of Calgary.

The following comprised the principal items in the programme, which was full of interest to all hospital workers.

OCTOBER 20th.

MORNING SESSION.

10.00—President's Address. Reading of Minutes. Report of Executive. Reports of Delegates to the National Convention. Reports of Special Committees.

Luncheon given by Calgary Association of Graduate Nurses.

AFTERNOON SESSION.

2.00-2.45—The Relationship between the Provincial and the Local Organizations. Discussion opened by Mrs. Manson, Edmonton.

2.45-3.15—Opportunities for Service under the Red Cross Society. Mrs. Waagen, Secretary of the Provincial Red Cross Society.

3.15-4.15—Public Health Section, arranged by Miss Christine Smith, Superintendent of the Public Health Nurses.

Health Inspection of Schools.

(a) The Public Health Nurse as a Teacher in the Rural Districts.—E. M. Davidson, R.N.

- (b) The Public Health Nurse and the Control of Acute Communicable Diseases.—Gladys Thurston, R.N.
- (c) How can the Public Health Nurse Advance Child Welfare Work in connection with the Health Inspection of Schools in the Rural Districts?—L. E. Runians, R.N.

Child Welfare.

Child Welfare Work in the Cities.—Blanche Emerson, R.N.

Tuberculosis.

The Public Health Nurse and Tuberculosis Control.—Victoria Ray, R.N.

District Nursing.

The District Nursing Problem.—Genevieve de Turberville, R.N.

4.15-5.00—Legislation desirable for the Association. Discussion opened by the Convener of the Legislative Committee.

JOINT OPEN MEETING OF THE TWO
ASSOCIATIONS.

Chairman—Dr. A. E. Archer.

8.00—Opening Prayer, Rev. A. Rannie, B.A.; Address of Welcome, Mayor of City of Calgary; Replies to Address of Welcome, President A.A.R.N., President A.H.A.; Address, Rev. Father Cameron; Address, Mrs. C. B. Waagen.

OCTOBER 21st.

MORNING SESSION.

Chairman—Dr. A. E. Archer.

9.30—Registration.

10.00—The Field of Service in Small Hospitals. Introduced by Dr. G. M. Atkin, Banff, Alta.

(a) Size and Duties of Non-Professional Staff.—A. K. Whiston, Esq.

(b) Purchasing Hospital Supplies.—A. H. Ellison, Esq.

Discussion Hospital Exhibits and Commercial Exhibits:—One hour.

1.30—Luncheon given by the City of Calgary.

AFTERNOON SESSION.

Chairman—Dr. George Johnson.

3.00—Symposium on Training of Nurses. Introduced by Dr. A. C. Rankin.

(a) Qualifications of Schools.—Miss V. Winslow, R.N.

(b) Standards of Admission.—Miss F. Macmillan, R.N.

(c) General Regulations.—Miss L. M. Eddy, R.N.

(d) Professional Training, Sister M. A. Duckett, R.N.; Dr. A. Fisher.

(e) The Trained Attendant.—Miss Christine Smith, R.N.

The question under debate to be thrown open to whole meeting for discussion after each subdivision has been taken up by the speakers indicated, and a committee appointed to bring in at the close of the convention a resolution expressing the policy which the two Associations wish to adopt in regard to the training of nurses in this Province.

PUBLIC MEETING.

Chairman—His Honor The Lieutenant-Governor.

8.00—Address, The Hon. The Minister of Public Health;
Address, The President of the University of Alberta;
Address, The President, The Women's Canadian Club, Edmonton, Alta.

OCTOBER 22nd.

MORNING SESSION.

Chairman—Dr. F. W. Gershaw, Medicine Hat.

Report by Secretary-Treasurer The Alberta Hospital Association.

Adoption of Constitution for Alberta Hospital Association.

Standardization of Hospitals, introduced by Dr. J. C. Fyshe.

The question to be thrown open for discussion by the meeting and a committee to be appointed to bring in at the close of the convention a resolution expressing the policy which the two Associations wish adopted, having particular regard to the attitude to be adopted to:—

- (a) The tenets of the American College of Surgeons as expressed in the "Minimum Standard."
- (b) The Western Canadian Hospital Association.

AFTERNOON SESSION.

Chairman—Miss V. Winslow, R.N.

3.00—Round Table Conference, conducted by Miss Eleanor McPhedran, R.N.—One hour; Designing and Construction of Small Hospitals.—The Provincial Architect; Occupational Therapy.—Mr. Van-Tausk.

Report of Resolutions Committee and action thereon;
Election of Officers

AMERICAN HOSPITAL ASSOCIATION

THIS Association met in Montreal in October. In our last number we outlined its history and growth. Montreal did itself proud in the way of entertainment. Mr. H. E. Webster, of our editorial staff, had everything in apple-pie order for the meeting. Mr. E. R. Decary extended the hospitality of Montreal to the delegates in true French fashion. Dr. Jos. Howland, in his presidential address, reviewed the history of the Association, as we did in our last number. He pointed with pride to the health of the body and its growing field of activities. The Rockefeller Foundation has contributed funds for the establishment of a reference library dealing with hospital problems and nursing.

Hospital plans are to be collected and placed at the disposition of those desiring to consult them. The president suggested the establishment of a bureau of standards and supplies during the coming year, where accurate information can be secured as to the latest ideas in hospital equipment. Secretary Warner in his report called attention to the difficulty of securing nurses for years past and the shortage of help—both of which had given much care to hospital executives.

The attendance at the meeting was good. By Wednesday evening 910 persons had registered, 268 of these were personal members, 235 were from the United States and thirty-five from Canada. The institution delegates numbered 136, only two of whom on that evening were from Canada. The guests numbered 405,292 American and 113 Canadian. Ninety-nine new members had been enrolled, eighty-five of whom were Yanks and fourteen Canucks.

J. J. Weber, travelling editor of the *Modern Hospital*, spoke on "Travelling Clinics." He referred to what had been done by the Montreal Public Welfare Committee in the conduct of these clinics and the value of the motor truck in connection therewith in the Province of Quebec, through the assistance of the Red Cross. In these clinics the main effort was directed towards impressing on the people the importance of having everyone, especially children, frequently visited by the local

physician in order that disease and defects might be dealt with in their incipiency.

Dr. Pliny O. Clark, of Denver, Col., took up the subject of "Community Chests" for the collection of money to care for the indigent sick. Appeals once a year are made to the public by all the hospitals of a town or city, and all the money collected goes into a single chest and is apportioned by a small committee to each institution on a *pro rata* basis, according to its needs. Referring to aid from the state by subsidies, the speaker pointed out that wherever this system had been carried out by way of a lump sum appropriation, as in Pennsylvania, there has been much abuse and sometimes considerable scandal—the moneys were too often given without a full knowledge as to how the funds were spent or what the needs of the institution were. In cities like New York, the money granted to the hospitals by the city, is distributed on a *per diem* basis. The city pays the voluntary hospitals for the care of a certain number of indigent sick, but retains control over the admissions to the hospitals and has the final decision as to whether or not they will pay for a given patient. The city also has the right to inspect the hospitals and audit their books. In other words, the city enters into a business arrangement with the individual hospital.

Dr. Howell Wright pointed out the importance of the financial consideration in hospital maintenance and referred to the fact that in the United States they had during war time a "war chest" which accumulated funds for the Red Cross and similar war activities, and at the same time took care of the hospitals. After the war the "war chest" idea was perpetuated under the name of the "community chest," the importance of which had come to be recognized in taking care of the large numbers of indigent sick of the community, the expense of which must be met from some source. In some hospitals the funds so collected were supplemented by endowments or by special contributions made by philanthropically disposed persons direct.

Following this session a smiling photograph of the delegates was taken on the steps of St. James' Cathedral. Visits were also made to the far-famed Bonsecour Market and the Chateau Ramesay. The following a.m. many of the visitors climbed

Mt. Royal before the session opened and feasted their eyes on the distant mountains which "unfold the colored landscape," the magnificent splendor of the shining St. Lawrence, and the towers, mansions, churches, hotels, tall business houses in a forest of maples and elms gorgeous in their autumnal foliage.

Frederick D. Greene, of New York, told the convention of the United Hospital Fund. Fifty-five hospitals in Gotham supported by voluntary gifts from those who know not how to dispose of their wealth, and from others more moderately circumstanced.

This fund has opened a way to the solution of many problems, including that of financing these *domi dolores*, in which over 8,000 bed patients and 5,000 dispensary cases were treated daily last year; in other words—2,438,811 days of treatment to 148,529 bed patients and 599,806 dispensary cases, which looks big.

The fund was begun forty-one years ago. It is non-sectarian in character. The committee includes representatives both of hospitals and the contributing public. Its object is to promote co-operation, to raise hospital standards, and to secure money to provide for free service to the needy poor who constitute more than half of all who are treated. It costs ten and a half million dollars a year to run these hospitals. Their free work creates an annual deficit of over three million dollars, which must be secured by voluntary contributions. One-third of this is now raised by the United Hospital Fund, whose receipts are rapidly growing. The money collected is distributed by a committee of distinguished citizens who take into account the amount and quality of the free service given by each hospital. Mr. Greene says the hospitals are not imposed on by the sick poor, who are ready to pay what they can. This is shown by the fact that during recent years the number of free patients has greatly dropped, while the ward paying patients have correspondingly risen in number. Those who do pay the regular ward rates, pay but a small part of the cost. Since 1914 the cost of the United Hospitals has risen ninety-five per cent. The cost would be much larger but for the fact that the doctors charge nothing for their services in treating the ward

patients (which comprise three-quarters of the total number treated). This great gift, on the part of the medical fraternity, is characteristic of other cities also and constitutes a challenge to laymen to equal in generosity the medical men by providing the necessary expenses of running the hospitals.

The speaker holds that the health of each is the concern of all. The most fair and economical programme is to keep everybody well. He believes the time will come when facilities for medical and surgical care of the entire population will be made as accessible and free as are our public school facilities at present. We ought to stamp out disease as we stamp out fire, without regard to whose house is burning or whether the owner can pay the fire department or not.

Sister Gabrielle, of the Order of Grey Nuns, gave an outline of the work of her order, which has been doing social service work among the poor and suffering on this continent for over a century. She referred to the hospitals founded all over the continent by her order. During the past century they had coped in Montreal with epidemics of typhus, smallpox, diphtheria and influenza. Care of the poor was their especial work; they found that much of the misery they encountered was due to illness. The mother-house has opened fifteen hospitals, the first branch having been established in Toledo.

Subsidiary houses have been established—particularly in the west. Sister Gabrielle considers that a high standard of education is not necessary for nurses. Practical ability and a good heart are the first requisites. To maintain too high a standard will shut out from the nursing profession many desirable applicants.

Dr. W. W. Seymour, Commissioner of Public Health for Saskatchewan, testified to the efficiency of the hospitals in charge of the Grey Nuns in his province. They were quite up-to-date and had introduced the latest scientific features. The Holy Cross hospital in Alberta was the first to comply with the hospital standards imposed by the American College of Surgeons.

Mrs. N. F. Cummings, managing editor of the *Social Service Quarterly*, in New York, was a visitor at the Association.

To the press she said that the original hospital social service carried on by the English hospitals was conducted by the Lady Almoners who had worked voluntarily in connection with the hospitals as far back as the 17th century. In the United States social work in direct connection with the hospitals of the large cities was begun about 1890, but was limited in operations until about twelve years ago, when it received a fresh impetus, increased volume and effectiveness until the outbreak of the war, when it received a decided set-back. It is now growing again and assuming large proportions. About fifty-two per cent. of the hospital social workers are graduate nurses, who have taken a social training after finishing their nursing course. The remaining forty-eight per cent. have not been trained as nurses. Other things being equal, nurses make the most efficient workers in the Social Service Department hospitals.

Miss Lily E. Barry, of the Catholic Social Service Guild, Montreal, spoke of occupational therapy and the placing of the handicapped by her society. She explained the complete system which had been evolved for the care of those who were physically or mentally handicapped. They had completed a chain which had linked the hospital, the convalescent home, the Catholic Social Guild and the Loyola School of Sociology where workers are trained. Educational therapy could not be attempted in the regular hospitals. Patients should be moved to convalescent homes as soon as possible. In all these homes, as in special institutions for the handicapped, the sisters in charge give valuable instruction to the patients and encourage the patients to work as a curative measure. The result is that many men and women, who are apparently hopelessly crippled by disabilities of various kinds, are enabled to become useful citizens. The Catholic Social Service Guild steps in and provides employment for those who have proved themselves capable of doing useful work.

Mr. M. M. Davis spoke of the necessity of standardizing training requirements for workers and of methods of work in connection with social service. There were now some 2,500 social service worker in the United States. The American Hospital Association had recently completed a survey of work done by them throughout the country. The presentation of

these findings was one of the items on the programme of this meeting. These would be of interest, not only to the workers themselves, but also to the executives of hospitals and to the community as a whole. A thorough course of training was imperative before effective work could be done in hospital social service work. Hospitals which were contemplating the opening of such a department were advised to do nothing until they had obtained the services of a worker who was thoroughly competent in such work, as mistakes in administration of such departments led to confusion and serious results generally. As this phase of hospital work became more and more developed the Association would give it a larger place on the programme. There were about 100 hospital social workers at the meeting.

Dr. Anna M. Richardson, Field Secretary, had visited sixty Social Service Departments throughout the continent, with a view to evolving some progressive policy in connection therewith.

Mr. Wade Wright discussed the subject of industrial clinics in general hospitals. The speaker is in charge of the Industrial Department of Harvard. He pointed out that many industries were now able to maintain their clinics and first aid departments. Some of them, instead of having their own organizations for this purpose, were giving their support to some hospital, the hospital thus realizing its full purpose in thus meeting the demands of the industrial community.

In the out-patient section, the "Dispensary of the Future" was discussed. It was pointed out that the dispensaries of today are the health centres of to-morrow, and constitute a link between the curative medicine of the hospital and the preventive medicine of the public health programme. Such dispensary, in addition to taking care of the ordinary ambulatory patient, would include in its scope pre-natal care, child welfare, treatment and prevention of tuberculosis, and dental treatment.

Dr. F. E. Sampson, Superintendent of the Greater Community Hospital of Creston, Iowa, gave a paper on "Community Hospitals as a Solution of the Rural Health Problem." He described the origin and growth of such a hospital in his own state, in which was concentrated and developed all the public health agencies of a number of counties, representing some

4,000 square miles of territory. In this institution was coordinated all the forces—church, societies, medical and public health. From this hub radiated all the health activities of the district.

Dr. W. W. Seymour, of Regina, described the constitution and operation of their excellent hospital law in Saskatchewan. This act we published in full in a recent number of this journal and to it the reader is referred.

COMMERCIAL EXHIBITS.

The Windsor Hotel looked somewhat like a small hospital when the eighty-three exhibitors got all their stuff in place—surgical, medical, culinary, laundry, et cetera. Hundreds visited the show, and were shown the goods by courteous representatives of the various firms whose goods were on exhibition. The rubber exhibit, in which were shown the processes in the evolution of a hot-water bottle, was viewed with great interest. An X-ray machine was in operation, and a miniature steam laundry was at work. Books and boots, canned goods, metabolism apparatus, restorative bellows, signalling devices, hospital plans,—all attracted great attention.

SECOND ANNUAL MEETING OF THE ONTARIO NEURO-PSYCHIATRIC ASSOCIATION

THE second meeting of the Ontario Neuro-Psychiatric Association was held at the Ontario Hospital, Whitby, on September 15th, 1920. It consisted of a morning and an afternoon session, beginning at 11.45 a.m. and ending about 6 p.m. There was a very large attendance present made up of both general practitioners from the surrounding district and Toronto, and physicians engaged especially in nervous and mental work. The new hospital was thrown open to the visitors and every opportunity afforded for a thorough inspection of its various departments.

The morning session was opened by the President, Dr. Edward Ryan, of the Ontario Hospital, Kingston, who spoke of the encouragement which the executive had received since the formation of the new Association. He also expressed regret at the untimely death of Dr. Chas. Doherty, Superintendent of the British Columbia Hospital for Insane, Westminster, B.C., who had been very anxious to make the Association Dominion wide. Dr. J. H. Mullin, President of the Ontario Medical Association, addressed the meeting on behalf of reorganization of the Medical Profession in Ontario, urging that every physician become a member of the Ontario Medical Association and take a personal interest in the very important problems which were up for consideration at the present time. Dr. Mullin's address was followed by the regular programme for the meeting, consisting of the following papers:—

1. "Conception and Aims of the Ontario Hospital, Whitby," by Dr. J. M. Forster, Superintendent.

In this paper Dr. Forster traced the conception and growth of the Whitby Hospital and described briefly the plan of it. The paper was a brief and concise pronouncement of what had been done in the past and what it was proposed to do in the future. It was discussed by Dr. Edward Ryan, Kingston, who emphasized the fact that the Ontario Hospitals were for the poor and the rich alike, and that that was the reason why there were no private wards in these hospitals. The paper was further discussed by Dr. Mullin, Hamilton; Dr. Kaiser, Oshawa; Dr. Hobbs, Guelph; and W. W. Dunlop, Inspector of Prisons and Public Charities, Toronto.

The second paper read was that of Col. C. S. McVicar on "Shell Shock." This was an explanation of the mechanism of "Shell Shock" from the psychological point of view. Col. McVicar showed that what was called "Shell Shock" was really a compromise of the conflict of the herd instinct in man with the instinct for self-preservation. This paper was discussed by Drs. Bailey and Brown, of Toronto; Dr. C. B. Farrar, Ottawa, and Dr. Neely, Hamilton.

The next paper on the programme was that of Dr. J. W. Crane of the Western University Medical College, London. He gave a very interesting talk on "The Use and Abuse of Purga-

tives." He dealt especially with Mercury, Mag. Sulphate and Castor Oil. He made an appeal to the profession to discard the "shot gun" prescriptions put up by the drug houses, and prescribe instead one or at the most two simple drugs at a time. It was only in this way, he pointed out, that definite conclusions could be drawn as to the effects of certain drugs. Prof. V. E. Henderson, of Toronto University, discussed this paper, and supported Dr. Crane's appeal for simple medication.

Dr. Wallace Scott, of Toronto, read a paper on "Cerebral Localization," in which he dealt extensively with the advances made in Cerebral topography. This paper was based upon work the author did while acting as chief surgeon of military hospitals overseas. It was discussed by Dr. R. T. Maclaren, Whitby.

Dr. Goldwin Howland read a paper on "The Cleavage between the Neuroses and the Psychoses," in which he emphasized the need of considering these branches of medicine as a unit and denied that there was any artificial line dividing the two. This paper was discussed by Dr. F. S. Vrooman of the Ontario Hospital, Toronto.

Dr. Eric K. Clarke, Toronto, read a paper upon "The Problem of the Mentally Defective Children in the Toronto Public Schools," in which he showed that as a result of a survey, which had been made in Toronto, it was found that 1.66 per cent. of the school children were mentally defective. This paper was discussed by Dr. Goldwin Howland, Toronto; Dr. Alex. McKay, Toronto; Dr. G. S. Strathy, Toronto; Dr. J. G. Fitzgerald, Toronto; Dr. C. B. Farrar, Ottawa, and Mr. W. W. Dunlop, Toronto.

Dr. W. R. Jaffray, of Hamilton, read a paper on "The Results in Routine Wassermann Examinations in the Ontario Hospital, Hamilton," in which he gave the percentage of positive Wassermanns out of 633 consecutive tests at the Ontario Hospital, Hamilton, as 6.3 per cent. This paper was discussed by Dr. Crawford, Ontario Hospital, Whitby; Dr. Robinson, Ontario Hospital, London; Dr. J. W. S. McCullough, Provincial Health Officer, and Dr. Goldwin Howland, Toronto.

Dr. G. H. Stevenson, Ontario Hospital, London, read a

paper on the "Review of Psychiatric Conditions in Massachusetts," giving the result of his observations during a month he spent in Boston and other centres. This paper was discussed by Mr. James Govan, Provincial Architect.

The last paper on the programme was by Dr. K. R. Maitland, Ontario Hospital, Kingston upon "Huntingdon's Chorea," in which a complete description of the disease was given and some case reports presented as illustrations.

Canadian Hospitals

NURSES' GRADUATION AT THE TORONTO HOSPITAL FOR INCURABLES

DECKED with exquisite crimson carnations and pink roses, the assembly room of the Hospital for Incurables looked most attractive on October 29th, when a large number of the friends of the institution gathered for its forty-sixth annual meeting and for the graduating exercises of the Training School for Nurses. Mr. Ambrose Kent acted as Chairman, and the opening devotional service was conducted by Rev. Canon Plumptre.

Miss E. M. Cook, in presenting her Superintendent's report, told of 217 patients now in the hospital. During the year 293 were treated, and there were seventy-nine admissions, sixteen discharges, eleven transfers and forty-nine deaths. Miss Groat, the Secretary-Treasurer, reported a deficit of \$21,489, this being an advance of \$12,094 over the previous year. Total disbursements were \$142,003, and receipts amounted to \$129,908.

In commenting upon the deficit Mr. Kent pointed out that it was only necessary to have more people visit the institution and money would be forthcoming. He cited cases of visitors having been deeply impressed by the fidelity of the nursing staff and the cheerfulness of the patients.

Dr. W. H. B. Aikins presented the report of the Medical

Board. Only forty-nine deaths occurred during the year and the general health of the inmates had been good. During the various epidemics the hospital had been placed under quarantine, thus greatly reducing the danger of an outbreak of contagious diseases.

A reference was made by Miss Cook to the opening of a workshop in the basement of the building. Specimens of the output of this shop were on view in the main entrance and included among other things, a cleverly designed and skilfully manufactured doll's house. There was also a fine exhibit of basketry, the work of two blind patients. At the National Exhibition three first and two special prizes were carried off by inmates of the hospital.

The resolution adopting the reports was moved by Mr. R. S. Gourlay and seconded by Colonel Noel Marshall, both of whom made short speeches. The names of the Board of Management for the ensuing year were also read, and are as follows:

Board of Management—His Worship the Mayor, Mrs. Grant Macdonald, Miss Mortimer Clark, Mrs. J. P. Balfour, Mrs. A. Cowan, Mrs. Wm. Davidson, Mrs. S. L. Fountain, Mrs. A. Foy, Lady Hearst, Mrs. Stewart Houston, Mrs. Ambrose Kent, Mrs. Lauder, Miss Effie Michie, Miss Grant Macdonald, Mrs. Hugh MacMath, Miss J. M. McGee, Mrs. S. H. Thompson, Mr. Ambrose Kent, Lieut.-Col. Noel Marshall, Mr. John Macdonald, Dr. W. H. B. Aikins, Mr. W. A. Baird, Rev. Canon Bryan, Mr. John Firstbrook, Lieut.-Col. Alex. Fraser, Rev. A. Logan Geggie, Mr. S. B. Gundy, Ven. Archdeacon Ingles, Mr. W. G. Kent, Dr. Edmund E. King, Mr. E. J. Lennox, Mr. R. Millichamp, Mr. J. O. McCarthy, Rev. Dr. Young.

The entrance at this point of a bevy of white-robed nurses marked the beginning of the graduating exercises of the Training School for Nurses. Dr. C. J. Hastings addressed the graduating class, congratulating the members on their excellent record and on the fact that they had received their training at the Hospital for Incurables. "It is difficult to conceive of a better school for character-building than an institution of this kind," said Dr. Hastings.

Miss Cook, in her report on the nurses' work, referred to the introduction of an eight-hour day as being most beneficial to the general health of the staff. She spoke also of the unselfish service rendered by the nurses, and stated that it was unusual to hear any of them mention an unkind word that might have been spoken by the patients.

Diplomas and class pins were presented by Mrs. Grant Macdonald, and the gold medal for general proficiency and highest standing in final examinations, given by Mr. Ambrose Kent and awarded to Miss Helena Hamilton, was presented by Mrs. Kent. Two silver medals, given by the Examining Board and awarded to Miss Valma Irvine and Miss Isabel Hewitt, were presented by Miss Mortimer Clark. The prize for neatness of room and person, given by Mrs. R. B. Hamilton and awarded to Mrs. Cox, was also presented by Miss Clark.

The six graduates were: Mrs. Cox, Miss Valma Irvine, Miss Isabel Hewitt, Miss Helena Hamilton, Miss Mary Connell and Miss Minnie Maclennan.

WOMEN'S COLLEGE HOSPITAL, TORONTO, HAD A MOST SUCCESSFUL YEAR

A STORY of remarkable progress was revealed at the annual meeting of the Corporation of the Women's College Hospital and Dispensary, held at the Nurses' Residence, 149 Rusholme Road, on November 3rd, with the President, Mrs. A. O. Rutherford, in the chair. The Rev. Canon Skey conducted the devotional exercises, after which Miss Mary Lowry, the secretary, gave a brief report of the year's accomplishments, including the starting, in the summer, of an X-ray Department and a Pathological Department. She told of the demand for increased accommodation for the nursing and domestic staff, and also patients constantly turned away. If it were possible to open a new obstetrical wing at once, she said, it would be possible to put it into immediate and active use.

The Treasurer, Miss Sade Warner, reported, in the capital account, receipts amounting to \$9,575.74, and a balance of

\$169.92, and in the maintenance account receipts of \$46,168.10, and disbursements, \$46,741.89, making a deficit of about \$500.

Mrs. R. H. Cameron reported that the auxiliary to the hospital had made \$540 for the hospital, all but \$32 of which had already been spent on various needs of the hospital and residence. Some sewing had also been done and assistance given in a garden party arranged by Miss Warner.

Dr. Minerva Reid's medical report told of a most satisfactory state of things, a great advance over last year. There had been 367 obstetrical cases, 175 medical cases, with twenty deaths (which, in consideration of the influenza epidemic, was very few), and 459 operative cases, with only two surgical deaths.

The Superintendent, Mrs. Bowman, gave the fifth annual report of the hospital since it has been a hospital of standard capacity, starting it with a reference to the institution's humble beginning twenty-four years ago. During the past year, she reported, there had been 985 patients admitted, 367 births, a total number treated of 1,404, 1,304 discharged, and forty-nine deaths.

The cost for each patient was \$2.70 a day, in comparison with \$2.37 last year.

In the training school a total of twenty-five nurses was reported.

Mr. R. H. Cameron, in reference to Mrs. Bowman's report, expressed his admiration for the management which was able to conduct such an institution at a per capita cost of \$2.70 a day. He had recently visited, with Dr. C. J. Hastings and a committee, a number of hospitals in the United States, and none of them had managed on anything like that amount. None were run for less than \$3 a day, and the cost ran from that up to nearly \$5.

Dr. Margaret Patterson moved a vote of thanks to the corporation and staff of the hospital, while Dr. E. L. Skinner Gordon expressed appreciation of the flowers sent by Lady Pellatt, the music contributed by Mrs. French and the Auxiliary's hospitality at the tea hour; Miss Brooking said thank you from the point of view of the institutions the hospital was ever ready to

help, and Dr. Margaret Johnston moved a vote of thanks to the women of the Press.

A beautiful bouquet of roses was presented to Miss Warner, the Treasurer, on behalf of the nurses, by a nurse, and Mrs. F. H. Torrington presented Mrs. Rutherford with a beautiful basket of yellow and bronze chrysanthemums, big and little ones intermingled.

The following were elected to the corporation of the hospital: Mrs. A. O. Rutherford, Mrs. F. H. Torrington, Dr. R. B. Nevitt, Dr. E. L. Skinner Gordon, Mr. R. H. Comeron, Mrs. R. H. Cameron, Dr. G. B. Smith, Dr. Minerva Reid, Miss Sade Warner, Mrs. Breckon, Mrs. Sinclair, Mrs. Baldwin, Dr. Jennie Smillie, Miss Mary Lowery, Miss Janet Anderson, Mrs. J. L. Trethewey, Miss Cleaver, Mrs. H. C. Cruickshank, Mrs. David L. Thompson and Controller Ramsden, appointed as the representative of the City Council.

WAR DEPARTMENT SELLS LARGE STOCK OF BANDAGES

THE Surplus Property Division of the War Department has sold to Thompson & Kelly Co., of Boston, the remaining surplus of bandages and absorbent cotton purchased for the use of the army during the war. The sale netted the Government more than \$1,000,000, and the bandages alone represent a quantity sufficient to supply the hospitals and surgeons of the United States with all their needs for at least eighteen months.

Included in the sale, which was conducted through sealed bids, were a million dozen roller and between 2,000,000 and 2,500,000 compressed bandages, and approximately 2,250,000 one-ounce packages of absorbent cotton.

Book Reviews

Primary Studies for Nurses: A text-book for first year pupil nurses, by CHARLOTTE A. AIKINS, formerly director of Sibley Memorial Hospital, Washington, D.C., formerly Superintendent of Columbia Hospital, Pittsburg, and of Iowa Methodist Hospital, Des Moines. Fourth edition. Thoroughly revised. Illustrated. Philadelphia and London: W. B. Saunders Company. 1919. Cloth, \$2.25. Canadian agents. The J. F. Hartz Co., Limited, Toronto.

This text-book was prepared for the special purpose of simplifying the work of the pupil nurses' first year. As such it is not a text-book of practical nursing nor a book of reference, but it brings together in concise form well rounded courses of lessons in anatomy, physiology, hygiene, bacteriology, therapeutics and materia medica dietetics and invalid cooking. To the above has been added, in this edition, a section on elementary chemistry and some important additions to the sections on hygiene and therapeutics. The subject matter is excellently arranged and the cuts in the section on anatomy are good. As a first year text-book, when associated with practical instruction in nursing technique, it should provide the proper requirements for an intelligent foundation in nursing, and is to be highly recommended for this purpose.

Transactions of the American Hospital Association. Twenty-first Annual Conference held in Cincinnati, O., September 8th to 12th, 1919. Volume XXI. Published for the Association by the Modern Hospital Publishing Co., Chicago, Ill.

This volume has been tardy in coming, but is none the less welcome. It is well gotten up and is full of excellent papers and discussions which we hope to refer to more fully in some of our future numbers. Every hospital should have a copy. Every hospital should take out corporate membership in the association.

Where Sanitary Cleanliness is Essential

Floors and Woodwork in Hospitals and Sanitariums must of necessity be kept immaculately clean.

UNIVERNISH The Sanitary Varnish

is admirably adapted for such interiors.

Besides furnishing a perfect finish of great beauty and durability Univernish has the peculiar virtue of being absolutely impervious to boiling hot water. Constant washing will not change its bright and pleasing newness. It never turns white.

For anything and everything that needs varnishing Univernish is the most satisfactory. Made in six transparent wood colors.

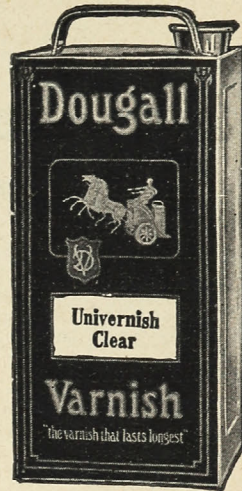
Dark Oak	Light Oak	Bog Oak
Mahogany	Walnut	Green

and as a clear varnish

Fuller details regarding Univernish will be furnished on request.

The Dougall Varnish Co., Limited, Montreal

Associated with Murphy Varnish Co., U.S.A.



Pure and Delicious

BAKER'S COCOA



Is a most satisfactory beverage. Fine flavor and aroma and it is healthful.

Well made cocoa contains nothing that is harmful and much that is beneficial.

It is practically all nutrition.

Choice Recipe Book Free.

Walter Baker & Co., Limited

DORCHESTER, MASS. Established 1780 MONTREAL, CAN

REGISTERED TRADE-MARK

When writing advertisers, please mention The Hospital World.

A Modern Necessity

"MAN may be endowed with marvellous will-power," says a Canadian writer, "and when he discourses upon this superiority is prone to boast until vanity swells him up like the toy balloon that reaches its maximum strain only to burst into nothingness. There have been men who have of their own volition given up smoking; but they are so few they may be mentioned in dispatches in the smokers' gazette." The journalist who wrote these words probably was a smoker himself, like most men of his craft in Canada. The Player's Navy Cut cigarette has become a necessity to mankind.

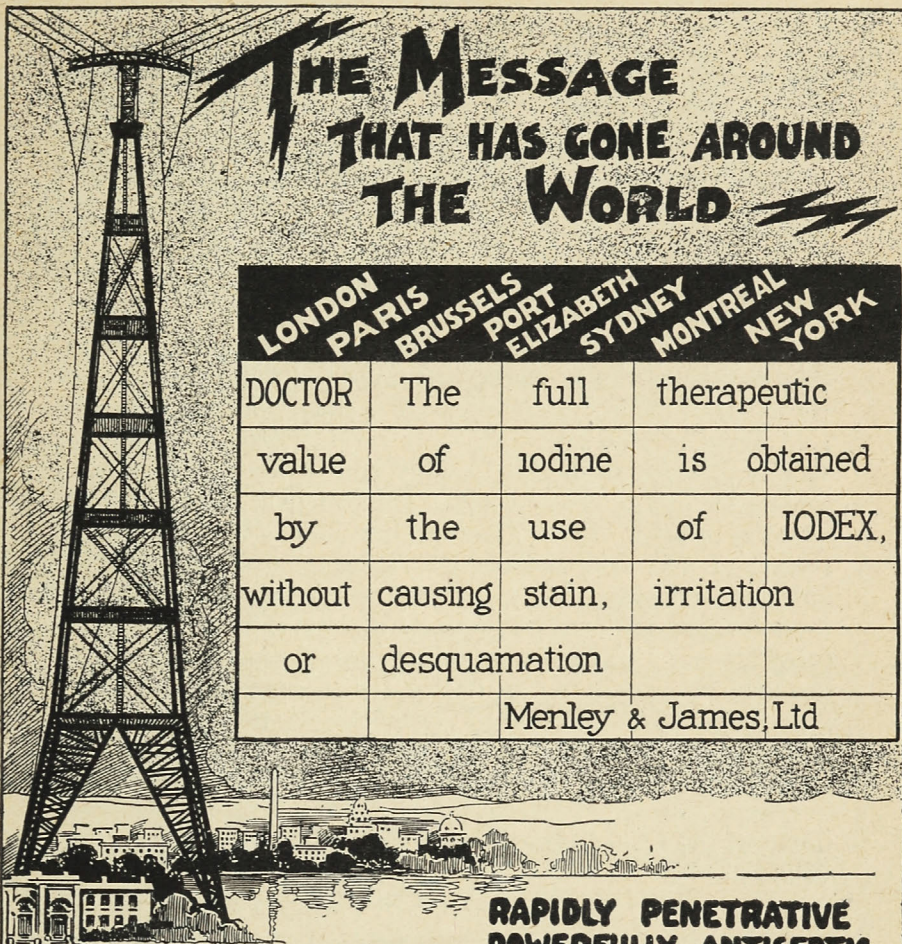
Hospital Supplies

ANY hospital (public or private), sanatorium, asylum or public charitable institution, any doctor, nurse or patient desiring to obtain any kind of sick room supplies, wherever manufactured, needs only write, telegraph or telephone to "Main 7554" to be immediately supplied. The J. F. Hartz Co., Toronto, carry a very large stock of hospital supplies, and orders are filled *instantly*.

Fellows' Syrup of the Hypophosphites

THE following letter is worthy of perusal:—

DEAR DOCTOR:—At the beginning of the war we placed at the disposal of the principal allied nations a quantity of Fellows' Syrup of the Hypophosphites, and we have learned with considerable satisfaction that the use of our preparation greatly contributed to the relief of the sick and wounded. We would call your particular attention to the results obtained from the use of Fellows' Syrup in the Military Hospitals of France in cases of disorders sensory, psychic, and motor in character, including the different phenomena resulting from excessive fatigue and shock of the nervous system. The beneficial results obtained from the use of Fellows' Syrup are due, in the first place, to its happy formula and, in the second place, to the excellence of its manufacture. Its formula embraces



**THE MESSAGE
THAT HAS GONE AROUND
THE WORLD**

LONDON				
PARIS				
BRUSSELS				
PORT ELIZABETH				
SYDNEY				
MONTREAL				
NEW YORK				
DOCTOR	The	full	therapeutic	
value	of	iodine	is obtained	
by	the	use	of	IODEX,
without	causing	stain,	irritation	
or	desquamation			
Menley & James, Ltd				

IODEX-

**RAPIDLY PENETRATIVE
POWERFULLY ANTISEPTIC
INTENSELY ABSORBENT**

**MORE EFFECTIVE WHEN
RUBBED THOROUGHLY
THROUGH THE SKIN**

THE IDEAL FORM OF IODINE FOR EXTERNAL USE

Send for Samples and Literature

168 DUANE ST. NEW YORK **MENLEY & JAMES, LTD.** **READ BLDG. MONTREAL CANADA.**

When writing advertisers, please mention The Hospital World.

potassium, sodium, iron, manganese, and phosphorus in the form of hypophosphites, together with the alkaloids quinine and strychnine—the latter in the proportion of 1/64 grain to the fluid drachm.

Urasal

URASAL is an effervescent granule containing $7\frac{1}{2}$ grains urotropine to each dessertspoonful, combined with piperazine and benzo-citrate of lithium. Piperazine is a base forming with uric acid urate of piperazine, which is very soluble in water and, therefore, quite successful in gout and uricemia, causing a decrease in uratic deposits and a proportionate increase in the quantity of urea. Benzo-citrate of lithium is a well known solvent of uric acid and urates. Urotropine is very rapidly absorbed and shows itself in the urine fifteen minutes after ingestion, and frequently eliminated in from thirteen to twenty-seven hours. Urotropine has four principal properties: (1) It dissolves uric acid; (2) in its passage through the kidneys it gives rise to the formation of formaldehyde, thus giving antiseptic properties to the urine; (3) it is a diuretic; (4) it is a most effective antiseptic. Physicians will therefore realize how, in cases of uric acid diathesis, Urasal is a most effective preparation. It is manufactured by Frank W. Horner, Limited, Montreal.

Betz Hospital Equipment

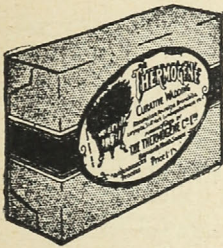
ONE of the largest surgical instrument houses in the United States is Frank S. Betz & Co., Hammond, Indiana. A half-hour spent at this plant will at once convince any "doubting Thomas" that there are few if any, manufacturers in America turning out high-class instruments and other hospital necessaries in such quantities and at such reasonable prices. The best way of proving this, outside of a visit to Hammond, is to send for a copy of the Betz catalogue. It is a marvel of completeness, and any hospital in Canada in need of good goods quick, cannot do better than try the Betz line.

THERMOGENE

CURATIVE WADDING

(VANDENBROECK'S PROCESS)

*Messy
Plasters
are a thing
of the past*



This clean, sanitary wadding gives instant relief, for it GENERATES HEAT quickly—surely. Always ready for use—it is the most convenient and effective curative for ills caused by cold. Use Thermogene in place of the slow, messy, cumbersome poultices and plasters in all cases of grippe, bronchitis, laryngitis and kindred affections. Prescribed by prominent physicians everywhere.

Made according to the formula of the Belgian chemist, Vandenbroeck, by the Thermogene Co. Limited, Hayward's Heath, England.

SALES AGENTS FOR CANADA

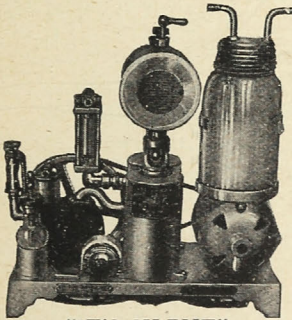
HAROLD F. RITCHIE & COMPANY, LIMITED
10 McCaul Street, Toronto

Connell
ANÆSTHESIA APPARATUS

The Connell Suction Insufflation Apparatus

"BUILT FOR SERVICE—NOT ON PRICE"

WITH CASE OR HOSPITAL STAND, \$185.00



"IT'S SILENT"

The CONNELL SUCTION INSUFFLATION APPARATUS embodies all requirements for suction and for intratracheal, intrapharyngeal and closed ether vapor Anaesthesia complete in one machine.

It will deliver the required eighteen liters per minute of air for such work (more if needed).

Vaporizes ether by drop method through sight feed.

Delivery of ether and air controlled independently.

Ask your dealer for demonstration or write us for further particulars.

SCIENTIFIC APPARATUS COMPANY

162 WEST 34th STREET

NEW YORK CITY

Connell Gas Oxygen Apparatus—The Anaesthetometer—Connell Suction Insufflation Apparatus

"Curity" Hospital Supplies

By turning to our advertising pages, our readers will notice the advertisement of the Lewis Manufacturing Co., Walpole, Mass. This firm makes a specialty of Hospital Supplies under the trademark name "Curity." These Supplies include Gauze, Absorbent Cotton, Bandage Rolls, Adhesive Plaster, Bandages, Wadding and Waterproof Sheeting. These goods are as fine as can be procured anywhere and, once used, will be found to give excellent satisfaction. "Curity" Waterproof Sheeting will give the best of service under the hardest wear.

Sal Hepatica

THIS preparation is an agreeable effervescent saline laxative and uric acid solvent, and has rapidly gained the favor of physicians generally. It is a combination of lithia and sodium phosphate with the laxative salts similar to those found in the most famous European bitter or purgative waters. The action of the salts held in solution in the "bitter waters" is too well known to demand specific elucidation, but their remedial value is considerably enhanced by the addition of lithia and sodium phosphate. Sal Hepatica can be employed as a laxative and eliminant of irritating toxins with safety and satisfaction in inflammatory conditions of the bowels, and is worthy of a prominent place in the diarrheas of infancy and childhood, and in "summer complaints" which arise from fermentative and putrefactive causes.

Muresco

THE attention of hospitals is called to Muresco, a preparation, the proper use of which means that the institution is *surgically clean*. It is one of the best wall finishes manufactured and will not rub off, crack, peel or blister. A hospital ward finished in Muresco can be kept constantly aseptic. It gives the ward an attractive appearance and pleasing, both to patient and visitor. It is, in short, ideal for use in a hospital or sanatorium and should be specified by the medical superintendent in case of building a wing.

MOORE'S Paints - Varnishes - Muresco

In Hospitals it is of paramount importance that the walls, woodwork and floors *be surgically clean.*

To accomplish this it is necessary to have them properly treated and painted. We manufacture preparations for this purpose that are

Ideal for Use in Hospitals

No Hospital Superintendent will make a mistake in specifying our Products which include :

MOORAMEL—The Excelling and Enduring Pure White Enamel

SANI-FLAT—A Sanitary Flat Oil Paint for Interior Painting

MOORE'S CEMENT AND CONCRETE COATING } A Durable Finish for Concrete Floors, etc

MURESCO—The Best Wall Finish—Will not rub off, crack, peel or blister

Color Cards and Prices on request

BENJAMIN MOORE & CO., Limited

Lloyd Street

Toronto

W. H. Sumbling Machinery Co.

ENGINEERS AND MACHINISTS

Designers, Manufacturers of and Dealers in
Machinery and Appliances

FOR

LAUNDRIES

IN

Hospitals and Other Institutions

OUR SPECIALTIES:

Patented High-grade Washing Machines
and Flat Work Ironing Machines

Our staff of experts, always at your service, will gladly quote prices, advise and plan to obtain the best results in either small or large laundries.

OFFICE AND FACTORY:

7 to 15 St. Mary Street, Toronto, Ontario

Phone North 2363

When writing advertisers, please mention The Hospital World.

Dunlop Cord Tires

THE measure of mileage you expect to get, doctor, from an automobile tire is exactly the measure we are prepared to give you in Dunlop Cord Tires. Dunlop Tires are thoroughly "thought out" in the Scientific Research Department, then they are thoroughly "tried out" on the road. You, as a tire buyer, get the Final Result. The new ideas we have evolved from world-wide collaboration with Dunlop Master Tire Builders have worked wonders in tire construction. Every other make of tire has suffered in comparison with Dunlop in a test of endurance; and that means foreign-made tires as well as Canadian-made. A tough tread, sturdy walls, largest air chamber, unsurpassable anti-skid features, are some of the reasons why Dunlop Cord Tires are so much in evidence these days. And just as Dunlop Cord Tires, wherever you go, are being awarded the palm as "1920's best," so, right across Canada, our 1920 sales figures are registering the definite approval of motorists in decidedly unusual increases.

Hospital Furniture

FOR almost anything in the line of hospital furniture (outside of the operating theatre or ward), hospital authorities should write the Gendron Manufacturing Co., Toronto. They manufacture a splendid line of goods for institutional use, particularly the lines shown in Catalogue C. One line worthy of notice is a chair equipped with carrying bars for taking patients up and down stairs. Without the bars, which can be instantly detached, this chair makes an ideal one for the library, verandah or smoking-rooms. Write for Catalogue C.

Univernish—The Sanitary Varnish

AN institution desiring to keep their hardwood floors "just right" and have them retain a lasting finish, enabling them to be scrubbed with boiling water, should try Univernish. It is absolutely sanitary, gives hard wear and gives the floors and woodwork an appearance that is difficult to obtain from any other preparation.

A Hospital Mattress

HOSPITAL superintendents who are anxious to install high-class bedding in their institutions should, before doing so, communicate with the Parkhill Manufacturing Co., Montreal. This firm recently equipped the New General Hospital, Montreal, as well as other large institutions. The Ostermoor Mattress is resilient and ideal for hospital use, as it will stand the hardest of wear without sagging. It sells at a very reasonable price and is composed of the best of material.



ALLEN
RICHMOND & VICTORIA ST
*Satisfaction
 in Excellence*
DIRECTION JULE & JAY J. ALLEN

---and Allens' eight Super-suburban Theatres are all conducted and maintained for the entertainment and comfort of the Toronto public. Visit your neighborhood "*ALLEN THEATRE*" to-day.

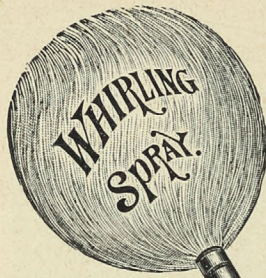
ALLENS' BLOOR	ALLENS' BEACH
ALLENS' COLLEGE	ALLENS' PARKDALE
ALLENS' ST. CLAIR	ALLENS' DANFORTH
ALLENS' BEAVER	ALLENS' ROYAL
ALLENS' CHRISTIE	

The Allen policy forbids the exhibition of any film of an objectionable nature, thus assuring clean and wholesome *entertainment for the entire family.*

"There's an Allen Theatre in your neighborhood"

THE ALLEN THEATRE ENTERPRISES

Direction JULE and J. J. ALLEN



Prominent physicians and gynecologists everywhere recommend the MARVEL Syringe in cases of Leucorrhoea, Vaginitis and other Vaginal diseases. It always gives satisfaction.

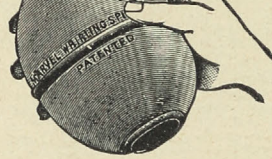
All Druggists and Dealers in Surgical Instruments sell it. For literature, address

MARVEL COMPANY
25 West 45th Street, New York.

The Peculiar Advantage
of the
**Marvel "Whirling
Spray" Syringe**

is that The Marvel, by its Centrifugal action, **dilates and flushes** the vaginal passage with a volume of whirling fluid, which smooths out the folds and permits the injection to come in contact with its entire surface.

The Marvel Company was awarded the Gold Medal, Diploma and Certificate of Approbation by the Societe D'Hygiene de France, at Paris, Oct. 9, 1902.



PHILLIPS' MILK OF MAGNESIA

"The Perfect Antacid"

For Correcting Hyperacid Conditions—Local or Systemic. Vehicle for Salicylates, Iodides, Balsams, Etc.

Of Advantage in Neutralizing the Acid of Cows' Milk for Infant and Invalid Feeding.

Phillips' Phospho-Muriate of Quinine COMPOUND

Non-Alcoholic Tonic and Reconstructive

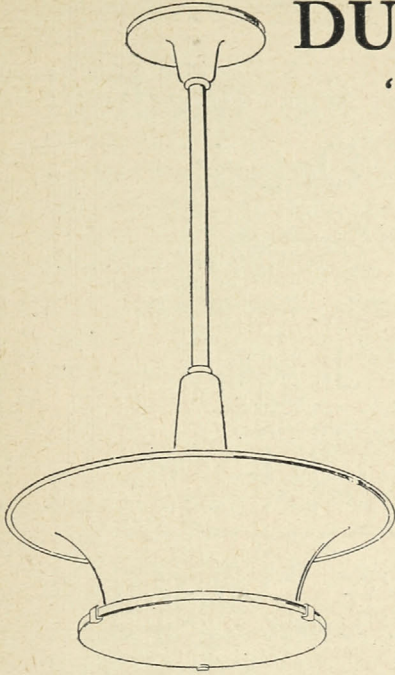
With Marked Beneficial Action upon the Nervous System. To be relied upon where a deficiency of the Phosphates is evident.

THE CHAS. H. PHILLIPS CHEMICAL CO.
LONDON · NEW YORK

Canadian Representatives: The Wingate Chemical Co., Ltd., 545 Notre Dame W., Montreal, who will be pleased to send samples upon request.

DUPLEXALITES

"The Light to Live With"



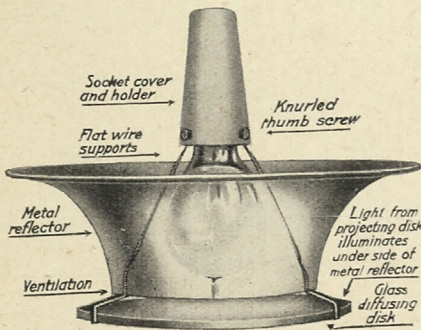
The DUPLEXALITE is a scientifically designed lighting instrument, based upon the proven fundamental requirements of good lighting,

Innumerable tests have proven how greatly human efficiency is increased by essential comforts — none more important than the essential comfort of good lighting.

Wherever you live or work, your contentment, and that of those about you, depends to a very large extent upon how clearly and comfortably you see.

In the case of hospitals, an eminent eye specialist remarked, upon examining an installation of DUPLEXALITES, "Now that these lights are upon the market, in my opinion it will be a crime to use any other in hospital wards."

Communicate for full information to—



CANADIAN DUPLEXALITE COMPANY, LIMITED

Room 619 Drummond Bldg.

Montreal

When writing advertisers, please mention The Hospital World.

Announcement to the Medical Profession of Ontario

J. E. HANGER, Inc.,
Washington, D.C.,
Established 1861

AUTHORS & COX, Ltd.,
Toronto,
Established 1859

Both leaders in the Artificial Limb and Appliance Industry in the United States and Canada, join forces and establish a thoroughly equipped factory in Toronto.

Separately they were the largest and most reliable firms. United they become the acknowledged principals in Orthopedic work in Canada

AUTHORS, COX & HANGER
363 Yonge Street, Toronto

PROTEIN MILK POWDER (C.M.P.)

Banishes intestinal disorders in infants and children

Feeding tests, conducted at the Hospital for Sick Children, Toronto, have demonstrated the value of Protein Milk Powder (C.M.P.) These tests covered many months and showed that, as a corrective food for infants and children in cases of intestinal disorders, etc., Protein Milk Powder (C.M.P.) was as effective as the liquid Protein Milk prepared by laboratory methods.

Send to our nearest office for pamphlets and directions. Protein Milk Powder (C.M.P.) is sold by us direct to hospitals and physicians only, and, as no directions are given on the label, it must be used under medical supervision.

PROTEIN MILK DEPARTMENT

Canadian Milk Products Limited

TORONTO

Winnipeg

Montreal

St. John

Keating's Powder

Necessary in Every Season



In hospitals and public institutions where it is a matter of vital importance to keep every corner clean, sanitary, free from Flies—Fleas—Mosquitoes—Ants—Wasps—Beetles—Bugs—Cockroaches—Moths, Keating's Powder will prove an absolutely dependable ally.

Keating's—the old reliable Powder for the extermination of insects—is absolutely harmless to human or animal life.

Made by **THOMAS KEATING, London, England**
Established 1788

SOLE AGENTS FOR CANADA

Harold F. Ritchie & Co., Limited
10 McCaul Street, TORONTO, ONT.

When writing advertisers, please mention The Hospital World.

THE efficiency of the Durham Duplex Razor was put to a severe test on the battle-fields of Europe during the World War. Many a comfortable shave was had by the men in the trenches, under otherwise uncomfortable conditions. It was in evidence in the rest billets and camps. In the hospitals, doctors and nurses found the Durham Duplex Razor indispensable in treating wounds that required the removal of the hair. Shaving was absolutely safe, blades could be quickly replaced when necessary, and sterilization of all parts was readily effected.

DURHAM-DUPLEX
A Real Razor—made Safe

Durham Duplex Razors have been used in hospitals, clinics, etc., for many years, both for professional purposes as well as by the doctors for personal use. They realize that the principle is right, and that it enables them to shave with the sliding, diagonal stroke—down and across the beard—with comfort, speed and perfect safety.

Sold by wholesalers and all leading dealers
or direct throughout Canada

Durham Duplex Razor Company, Limited

50 PEARL STREET, TORONTO, ONT., CANADA

FACTORIES

Jersey City

Sheffield

Paris

Toronto

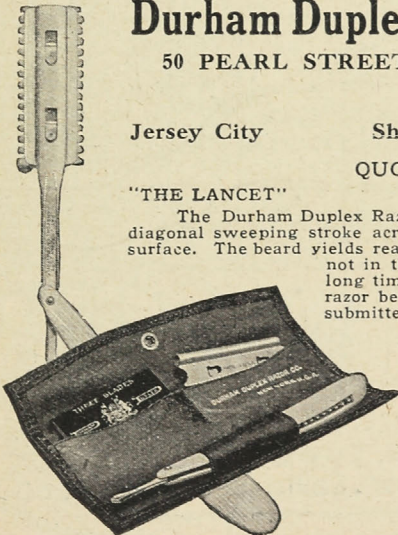
QUOTATIONS FROM—

“THE LANCET”

The Durham Duplex Razor Safety, therefore, admits of that satisfactory diagonal sweeping stroke across the face, which leaves a perfectly smooth surface. The beard yields readily before its movement. It shaves, and does not in the least degree scrape. The keen edges last a long time. The moment its advantages are learned the razor becomes a favorite. The razor we examined and submitted to careful practical trial.

“THE BRITISH MEDICAL JOURNAL”

The Durham Duplex Razor Safety is well guarded so that an accidental cut seems almost impossible, while to many who have been in the habit of shaving themselves for years it will present the advantage that it can be used in the way to which they are accustomed in rounding corners and negotiating wrinkles.



When writing advertisers, please mention The Hospital World.



DUNLOP CORD TIRES

Mean Utmost Car Comfort, Greater Tire Mileage,
Longer Tire Life, Lower Tire Up-Keep,
More Motor Power, Less Gasoline Used

When writing advertisers, please mention The Hospital World.

To the Medical Profession of Toronto

PHYSICIANS come daily into contact with Disease in its different phenomena. A large proportion of the cases under their care are due directly to either DEFECTIVE VENTILATION or DEFECTIVE DRAINAGE. Many a typhoid patient owes his or her illness to the latter cause, gases infiltrating their way into the home owing to a defective or improperly fitted trap in the plumbing. We have MADE A SPECIALTY OF DRAINAGE FOR 40 YEARS and feel justified in calling ourselves EXPERTS in that line.

We therefore respectfully suggest to Physicians who have not had experience with our work that, when in need of anything in this line, they give us a call.

We do nothing but the best of work and stand behind it first, last and always. The Medical Health Department of the City of Toronto can speak for us, as also many of Toronto's leading Medical Practitioners.

J. RICHARDSON & SON

Phone College 4875

95 Jersey Avenue - Toronto

DOCTOR ALLOW US TO PRESCRIBE

You have not the time to safeguard your interests properly when painting or re-decorating your Home and Rental Properties.

We offer you the protection of our Service, which will ensure you a **SQUARE DEAL** every time.

Forty years successful and satisfactory service in Toronto is our claim to your patronage.

Established 1881

J. W. KNOTT & SON
TORONTO'S OLD RELIABLE FIRM
PAINTERS AND DECORATORS

41 Charles Street West

Phone N. 1282

Indispensable in the Operating-Room

It is an admitted fact that the use of a Hair Solvent is very much better than a razor, prior to operation, particularly one that causes no skin irritation. The attention of Hospitals and Surgeons is called to

DEL-A-TONE

for this purpose. It will remove hair from the abdomen, chest, under the arms and elsewhere in a very few minutes. By its use, all danger of the patient being cut through careless use of the razor is done away with and healing by first intention facilitated.

DEL-A-TONE is easily prepared by moistening a little of the powder with sufficient water to make a paste, and applying it to the skin for three to five minutes before making the incision, after washing thoroughly with warm water.

DEL-A-TONE is prepared by

THE SHEFFIELD PHARMACAL CO.

Wexford Building - Chicago

Canadian Agents:

LYMAN BROS. CO., Limited

71 Front Street East, Toronto

When writing advertisers, please mention The Hospital World.

GOUT!

TO COMBAT AND
RELIEVE ATTACKS
OF GOUT

No other medicine gives
such prompt, so marked, and
so permanent relief as

Vin d'Anduran

The only anti-gout medicine
that has remained a genuine
medication.

J. Mousnier, Sceaux

Sole Distributor for Canada

ROUGIER FRERES

63 Notre Dame St. East

MONTREAL

**Naumkeag
Steam Cotton Co.**
Salem, Mass.



Standard for Homes, Hospitals
and Institutions

Selling Agents:

PARKER, WILDER & CO.
Boston and New York

Physicians will find that many of their patients
suffering from such conditions as

Insomnia, Nervous Breakdown Certain Neuroses, High Blood Pressure

will materially benefit by regular weekly visits to

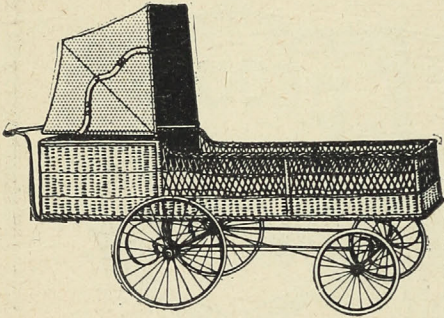
The Alhambra Theatre

Bloor and Bathurst Streets, Toronto

A Doctor cannot do better than hand such Patients a Prescription
of this kind, and in such cases it will be found much more
effective than Medicine. A couple of hours of quiet enjoyment,
freedom from excitement, and particularly getting away from the
worries of Business very often means rapid convalescence.

Doctor, be good enough to try this method of treatment. Neither
YOU nor your **PATIENT** will regret it.

ROLLING RECLINING AND Invalid Wheel Chairs



Spinal Carriage

A most convenient bed on wheels for street use

For full information

THE GENDRON MFG. CO., LTD.
Toronto - - - Canada

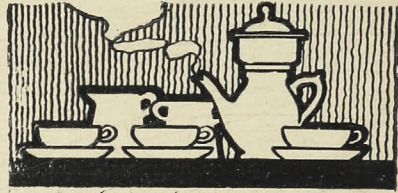
Physicians will be glad to learn that they can now procure for their patients

Haeberlin's Wheatsworth Laxative Biscuits

They will be found particularly useful in chronic constipation. They are manufactured only of the purest materials by

SWISS BAKERY

469 Bloor Street West
Phone C. 674 Toronto



Wholesome Coffee

Coffee can be 100% wholesome. Seal Brand Coffee is 100% wholesome and delicious.

SEAL BRAND COFFEE

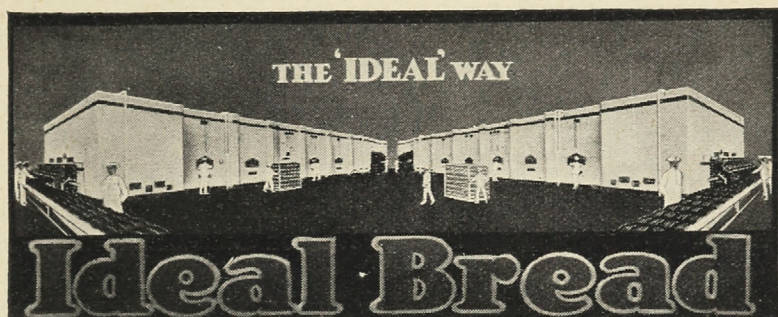
is the most perfect and satisfying Coffee obtainable. Blended and roasted with infinite skill, its rich aroma and choice flavour sealed into the package.

At good grocers, everywhere. In 1/2, 1 and 2-lb. tins. Send for our free Booklet, "Perfect Coffee, Perfectly Made."

CHASE & SANBORN,
MONTREAL. 3



Purity, Cleanliness Quality, Service



IT is with justifiable pride that we announce to the readers of THE HOSPITAL WORLD that every one of our products are manufactured under "Ideal" conditions.

Our bakery is **one of the most sanitary in the world**, being equipped throughout with automatic machinery, unusually well lit, splendidly ventilated and scrupulously clean. Our bread is **manufactured of the finest ingredients** that can be purchased, our maxim being "Quality First."

As soon as our new building is completed within the next few weeks, we will be in a position to supply our customers with **wrapped bread**, each loaf being delivered without coming into contact with the human hand until the wrapper is removed. In introducing this, we feel that THE IDEAL BAKERY will be in the forefront of such establishments.

Physicians will appreciate these facts and can confidently recommend our products to their patients.

Ideal Bread Company, Limited

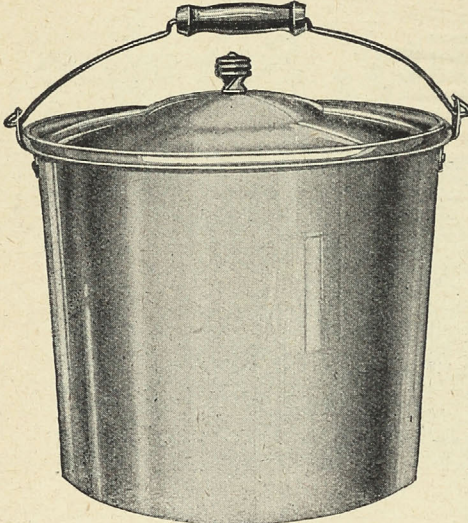
One of the most progressive baking firms in the Dominion

183-193 DOVERCOURT ROAD, TORONTO

When writing advertisers, please mention The Hospital World.

Is your Culinary Department Modernized with
PURE ALUMINUM COOKING UTENSILS?

"SEAMLESS WATER PAIL"



WRITE FOR CATALOGS

A FULL LINE OF
**PURE ALUMINUM
COOKING UTENSILS**

are manufactured by

**The Louis McLain
Co., Ltd.**

AT TORONTO FACTORIES

where

**The Louis McLain Line and
Hudson Line Aluminum Ware
ARE MADE**

**2466 to 2480 Dundas St. West
TORONTO, CANADA**

SCIENTIFIC MASSAGE

The Medical Profession and Hospitals will be interested to learn that, after years of connection with The Glasgow Royal Infirmary, where he was Masseur and Instructor to the Nursing Staff,

MR. ROBERT A. HOLMES

(Graduate of The Scottish Electropathic Institute and College of Massage, Glasgow) has settled in Toronto and is specializing in Scientific Massage, following in every particular the treatment prescribed by the attendant Physician.

Mr. Holmes will appreciate having cases requiring Massage referred to him by members of the Profession.

34 Admiral Road

Phone Hillcrest 5410

LISTERS
(PREPARED CASEIN)
**DIABETIC
Flour**

ANALYSIS

Moisture.....	10.66	Protein.....	69.95
Ash.....	1.63	Starch.....	0.00
Fat.....	0.67	Sugar.....	0.00
Leavening and Flavoring....	17.09		

Makes strictly

Non-Carbohydrate BREAD

and other palatable foods

Sent direct—month's supply \$6.00

LISTER BROS., INC.

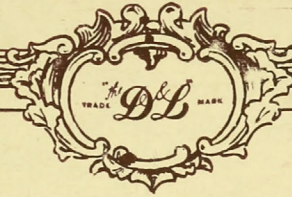
405 Lexington Avenue NEW YORK CITY

W. LLOYD WOOD, Canadian Agent

64 Gerrard St. East

Toronto, Ontario

When writing advertisers, please mention The Hospital World.



Prescription 1920

an improved

Compound Syrup of Hypophosphites

General Debility

It has been found that if the alkaline hypophosphites are given to nursing mothers, whose milk contains an abnormally small amount of phosphates, their milk soon becomes rich in the earthy salts. Clinically, advantage is taken of this fact, and alkaline hypophosphites are given to nursing women debilitated from prolonged lactation or whose milk is found poor in phosphates, not only to build up the nutrition of the mother, but to furnish bone and nerve-building material to the infant.

PRESCRIPTION 1920 contains tissue-building material in the form of sodium, calcium, potassium and manganese hypophosphites, and combines hæmogenic properties of iron and phosphorus, with the "dynamic" action of quinine and strychnine. The winter months call upon the organism for an increased expenditure of energy, and as spring approaches persons in all walks of life and at all ages feel, more or less, the effect of nervous exhaustion. PRESCRIPTION 1920 will be found invaluable in these cases. School children who have become anæmic by indoor confinement combined with study, and young women who have become exhausted by social duties, will be greatly benefited by the use of PRESCRIPTION 1920. In the debility of the old and feeble, who require a stimulant to keep alive the failing flame of life, the physician will find this prescription very useful.

SPECIAL NOTE

Prescription 1920

is supplied in the form of a syrup and is also put up without sugar for use in cases where sugar is contra-indicated as in diabetes.

Stocks of both forms of this improved combination of the hypophosphite salts are now in the hands of your local druggist. We solicit your prescription for same.

PREPARED IN CANADA BY

DAVIS & LAWRENCE COMPANY

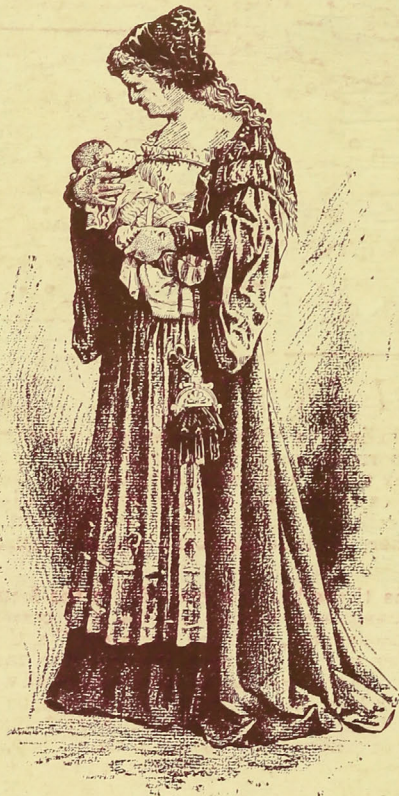
MANUFACTURING CHEMISTS

NEW YORK

MONTREAL

We will be pleased to send samples of PRESCRIPTION 1920, with or without sugar, to physicians upon request.





DEAR NURSE:

She may not know the vital needs
concerning herself and babe.

Give the gentle mother your learned
counsel. It may mean much to her.
We will do our part.

City Dairy
TORONTO