

\$3.00
PER
ANNUM



50c
PER
COPY

THE HOSPITAL WORLD

Vol. XI (XXII)

Toronto, April, 1917

No. 4

CONTENTS

EDITORIALS.		HOSPITAL ITEMS.	
	Page		Page
A Further Advance	97	Action Against Moncton Hospital Board	119
ORIGINAL CONTRIBUTIONS.		Report of St. Vincent de Paul Hospital, Brockville, for year ending Dec. 1, 1916	119
Little Journeys. By John N. E. Brown, Superintendent	100	Annual Meeting of Royal Victoria Hospital, Montreal	120
SELECTED ARTICLES.		Annual Meeting of Western Hospital, Montreal	121
St. Georg Hospital, Hamburg	106	Increased Hospital Grants	121
CANADIAN WAR HOSPITALS.		Offers Large Sum to Kingston Hospital	122
Veterans go to Whitby for Cure and Treatment	112	Personals	124
The Military Hospitals Commission—Some of their Plans for the Future	114	BOOK REVIEWS.	
Military Hospital Lantern Slides	116	The Highway of Death	125
Hospital for Flying Corps	116	The Prevention of Disease: A Popular Treatise	125
Nurses are Honored.	117		

FELLOWS' SYRUP

Differs from other preparations of the Hypophosphites. Leading Clinicians in all parts of the world have recognized this important fact. **HAVE YOU?**

TO INSURE RESULTS,

Prescribe the Genuine

R Syr. Hypophos. Comp. **FELLOWS'**

REJECT < Cheap and Inefficient Substitutes
Preparations "Just as Good"



LISTERINE

the well-proven and time-tried antiseptic solution, has been prescribed by the Medical Profession with very satisfactory results for 35 years in the treatment of Respiratory Diseases incident to Fall and Winter climatic conditions.

LISTERINE

one part, hot water three parts, is a useful gargle for sore throat. In mucous catarrhs, Listerine, suitably diluted, is most effectively applied by means of the spray apparatus or douche.

LISTERINE

is not only a vehicle for specially indicated alteratives, resolvents and astringents, but is itself an efficient, non-irritating antiseptic that is safe, pleasing to the taste and promptly effective.

A treatise on Respiratory Diseases will be forwarded members of the medical profession on request.

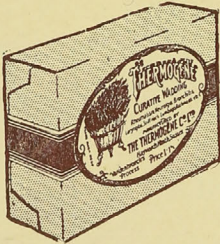
LAMBERT PHARMACAL COMPANY
TWENTY - FIRST AND LOCUST STREETS, ST. LOUIS, MO.
66 GERRARD STREET E., TORONTO

THERMOGENE

CURATIVE WADDING

Is the greatest boon ever invented for the treatment and relief of pain caused by damp and cold. Thermogene is a scientifically prepared form of absorbent cotton, medically treated, possessing strong curative and heat generating properties.

Physicians should bear in mind that Thermogene is now used in a very large number of the principal Hospitals throughout the British Empire, and that it has been found most effective. It has entirely supplanted the old-fashioned poultice, and, once prescribed, will never be replaced. Any Physician who has not as yet prescribed Thermogene is earnestly requested to give it a trial.



Harold F. Ritchie & Co.
 10-12-14 McCaul Street Toronto, Ont.

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*

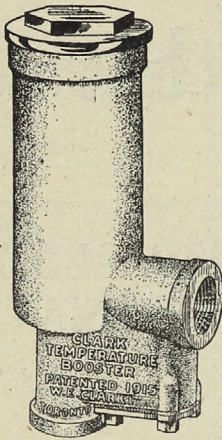
SPECIAL HOSPITAL PRICES FOR QUANTITY

THE J. F. HARTZ CO., LTD.

Physicians' and Hospital Supplies

TORONTO

CANADA



DOCTOR

In those cases where it is so necessary that the temperature of the sick room be kept equable, you will be consulting the best interests of your patient in suggesting that they have installed a

Clark Temperature Booster

It can be readily installed on any Hot Water Heating System, New or Old.

It will increase heat with no additional fuel consumption.

It will hold a more even temperature in the room. It is low in cost. Durable in construction. Cannot wear out or rust out. Fully guaranteed. Made only by

W. E. Clark Limited, Toronto

ALL RELIABLE STEAMFITTERS HANDLE IT

'Bynogen'

TRACE MARK

BRINGS HEALTH

The Improved Casein-Glycerophosphate Food

RECOMMENDED IN ALL ENFEEBLED CONDITIONS,
MENTAL AND NERVOUS EXHAUSTION, INSOMNIA,
CONVALESCENCE AFTER ILLNESS, Etc.

"Bynogen" is a highly concentrated food of acknowledged value. It is specially rich in phosphorus, which is present in the condition in which it is found in brain substance and other nervous tissues.

FORMULA:

Pure, Soluble Milk Protein, 75 per cent. Sodium Glycerophosphate, 2 per cent.
Dextrin-Maltose (specially prepared) 20 per cent.
Calcium Glycerophosphate, 2 per cent. Magnesium Glycerophosphate, 1 per cent.

The Allen & Hanburys Company, Limited

NIAGARA FALLS, N.Y.

(Est. London, Eng., A.D. 1715.)

TORONTO, CANADA.

When writing advertisers, please mention The Hospital World.

TO-DAY—

Write for your copy of this interesting booklet EE, illustrating the newest DIX-MAKE models.



Henry A. Dix & Sons Co.
DIX BUILDING NEW YORK CITY

The Economy of Standardized Production

Economical manufacture requires a standardized product and production in quantity.

High Pressure Sterilizers, in the past, have been built for each individual order with a resultant delay in shipment and an unnecessarily high cost.

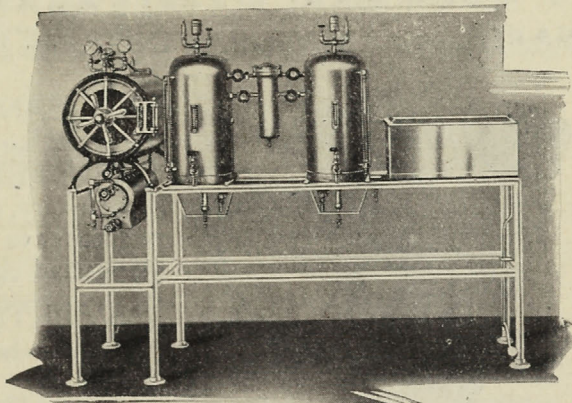
Standard sizes in Betz High Pressure Sterilizers are now being built in quantities, permitting lower prices, insuring a high, standardized quality and making possible PROMPT SHIPMENTS. The unit plan of construction permits the furnishing of sterilizers separately or in desired combinations.

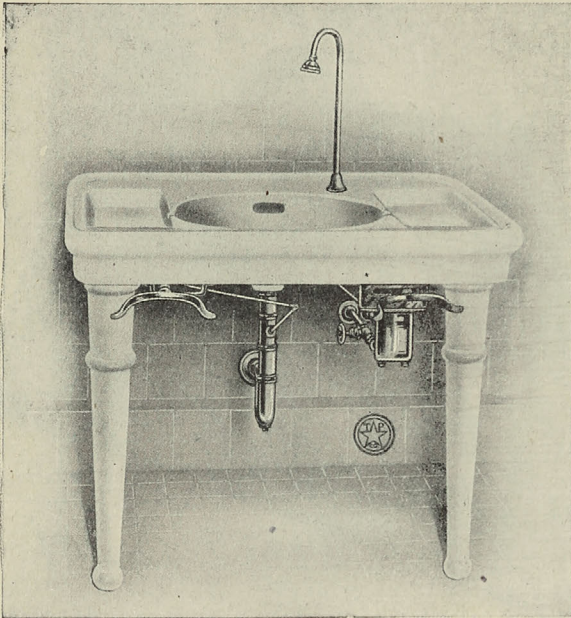
The line is most complete, including Dressing, Water, Utensil and Instrument Sterilizers. The use of either steam, gas, gasoline or electricity for heating is offered as desired. A Recording Gauge, giving a complete history of the sterilizing operation, can be supplied if wished.

Our booklet, "Certified Sterilization," gives interesting data on our method, designs and prices. It is sent free upon request.

Chicago Sales Dept., 30 E. Randolph St.

FRANK S. BETZ COMPANY, Hammond, Ind.





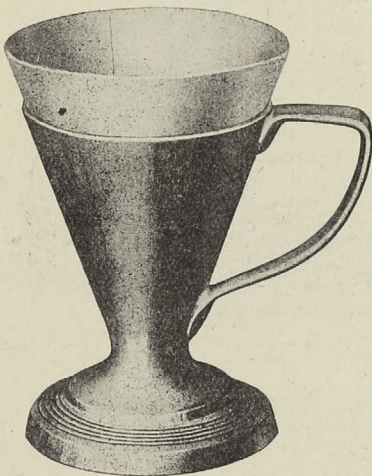
High-Grade Hospital Lavatories

These fixtures are uniformly excellent in material and construction. The principle on which each piece is built is a most modern and thoroughly approved one. Send for our Catalogue describing Hospital Fixtures.

**EMPIRE MFG.
CO., Limited**
LONDON - TORONTO

VORTEX SANITARY CUPS

SAFE -- TIME-SAVING -- ECONOMICAL



THOUSANDS of restaurants, drug stores and ice cream parlors are using the VORTEX SYSTEM—because it is sanitary, saves dish-washing, and is cheaper to use than old-fashioned glasses and china dishes.

The VORTEX SERVICE should be in every hospital in Canada.

Write for Illustrations and Price List.

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

When writing advertisers, please mention The Hospital World.

Protect Your Health

THE various contagious diseases that have existed the past year should be sufficient warning to all householders to insure good health.

The constant daily use of a Reliable Odorless disinfectant will prevent the spread of disease germs and leave a clean, healthy atmosphere.

Platt's Chlorides

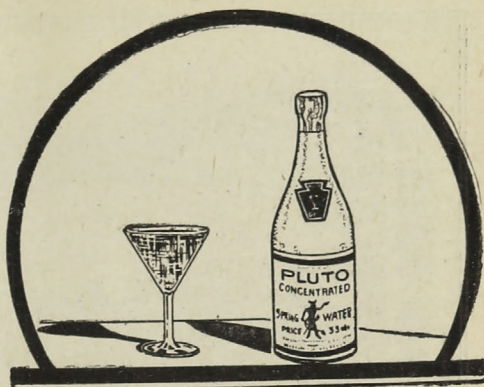
The Odorless Disinfectant

Sold everywhere in two sizes—25c. and 50c.

Safe, efficient and economical.

Does not stain if diluted.

HENRY B. PLATT, 51 Cliff St.
NEW YORK CITY



WHAT THE DOCTOR ORDERED

A physician's practice will grow only in proportion to the recommendation of his satisfied patients. In the successful manner with which he has treated constipation many a physician has received recommendation that greatly increased his practice. In most of such cases the pleased patient tells all his friends, "My doctor knew what I needed—he prescribed

PLUTO

FOR CONSTIPATION"

Samples and data free to the medical profession from
FRENCH LICK SPRINGS HOTEL CO.
French Lick, Indiana

Regent

ADELAIDE ST.-WEST OF YONGE

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

INSOMNIA

NERVOUS BREAKDOWN

CERTAIN NEUROSES

HIGH BLOOD PRESSURE

and other conditions, will materially benefit from regular visits to

The Regent Theatre

The soothing effect, the freedom from excitement, and the quiet of this House, which caters only to the best and cleanest Film Productions, will quiet the nerves, produce natural sleep, relieve the chronic headaches of neurasthenia and lower the blood pressure, so common in the business man.

We invite the co-operation of the Medical Profession in such cases.

DOCTOR

When your automobile needs painting,
don't forget that

E. G. SILLS

19-23 YORKVILLE AVE.

TORONTO

Phone North 1393

does *only the best* quality of work at reasonable prices. Your automobile can be burned off and repainted or, if you desire, merely touched up. I specialize on Doctor's work and will be glad to quote prices at any time.



**“Canada
Has
No
Pure
Bedding
Laws:
We
Have”**

HOSPITAL EQUIPMENT When in the market for beds, mattresses or kindred hospital equipment, ask us to quote prices. Many Canadian hospitals use Alaska beds and Ostermoor mattresses.

THE PARKHILL MANUFACTURING CO., Limited
Successors to The Alaska Feather & Down Co., Limited
WINNIPEG MONTREAL VANCOUVER

GERMICIDAL SOAP

For Hospital use, the Soap *par excellence*.

For preparing antiseptic solutions (no weighing, measuring or waste).

For sterilizing hands, instruments and site of operation.

For cleansing wounds (bruises, abrasions, ulcers, etc.).

For disinfecting surface lesions.

For lubricating sounds and specula. It does not affect nickel or steel instruments, but acts on silver or aluminum.

Germicidal Soap lends itself to a hundred uses in the Hospital.
Our word and reputation are back of its worth.

Sample with descriptive literature sent on request.

PARKE, DAVIS & CO.

WALKERVILLE

ONTARIO

Eastern Depot—118 St. Paul Street W., Montreal, Quebec.

When writing advertisers, please mention The Hospital World.

The Hospital Fly

Hospital authorities know they cannot entirely prevent flies from entering. A few will get in despite careful screening, but **No Fly Should Be Allowed to Leave a Hospital or Sick-Room**

It seems hardly necessary to call attention to the importance of preventing flies from leaving any room in hospital or home where there is a known or suspected communicable disease.

For the safety of the public as well as the protection of the patients in the hospital, the hospital should be kept as nearly as possible free from flies.

Neither traps, poisons, nor fly-swatters destroy the germs which alone make the fly dangerous.

The Sanitary Fly Destroyer Par Excellence

is one that destroys the germs with the flies. Tanglefoot does this by coating both flies and germs with a varnish from which there is no escape. A fly caught on a sheet of Tanglefoot is embalmed.

In the war that is being waged on flies, Tanglefoot is the greatest agent and destroys in a sanitary way over fifty billion flies annually, vastly more than all other means combined.

The originators of Tanglefoot Fly Paper builded better than they knew, for since the discovery that flies are such important agents in the carrying of typhoid and other diseases Tanglefoot Fly Paper has come to be recognized as one of the great sanitary agencies of the day.

U.S. Government Issues Warning Against Fly Poisons

Following is an extract from "The Transmission of Disease by Flies," Supplement No. 29, to the U.S. Public Health Reports, April, 1916 :

"Of other fly poisons, mention should be made, merely for the purpose of condemnation, of those composed of arsenic. Fatal cases of the poisoning of children through the use of such compounds are far too frequent, and owing to the resemblance of arsenical poisoning to summer diarrhea and cholera infantum, it is believed that the cases reported do not, by any means, comprise the total. Arsenical fly-destroying devices must therefore be rated as extremely dangerous, and should never be used, even if other measures are not at hand."

TANGLEFOOT

The Sanitary Fly Destroyer
Non-Poisonous Catches the Germ with the Fly

Made in Canada by THE O. & W. THUM COMPANY, Walkerville, Ont.

American Address: Grand Rapids, Michigan.

CATCHES THE GERM AS WELL AS THE FLY

IN COOL WEATHER WARM SLIGHTLY BEFORE USING

EFOOT TANGLEFOOT TANGLE

TRADEMARK REGISTERED U.S. PATENT OFFICE

THE SANITARY FLY DESTROYER NON-POISONOUS

BY THUM CO., MICH. U.S.A. ONT. CANADA

MADE BY THE O. & W. THUM CO., GRAND RAPIDS, MICH. U.S.A. AND WALKERVILLE, ONT. CANADA

MADE BY THE O. & W. THUM CO., GRAND RAPIDS, MICH. U.S.A. AND WALKERVILLE, ONT.

When writing advertisers, please mention The Hospital World.



Hospital Supplies

HOSPITAL GAUZE ABSORBENT COTTON
BANDAGE ROLLS ADHESIVE PLASTERS
BANDAGES WADDING
WATERPROOF SHEETING

LEWIS MANUFACTURING COMPANY
WALPOLE, MASS.

Branch Offices:
NEW YORK CHICAGO
OAKLAND, Cal.

The attention of Medical Practitioners is called to

Elmhurst Private Hospital

33 St. Vincent Street - Toronto

This is conducted as a first-class Private Hospital by a Graduate of Toronto General Hospital. Physicians will find that it is in every way fitted for Patients who desire nursing where they can receive all the comforts and privacy of their own homes.

MISS ETHEL A. BAYLY
Superintendent

Telephone North 5975

Sherman's Bacterial Vaccines

PREPARATIONS WITH A
RECORD FOR RELIABILITY

All the vaccines usually employed in the treatment of infectious diseases marketed in specially devised aseptic antiseptic bulk packages insuring absolute safety in withdrawing contents.

5 c.c. for \$1.00 18 c.c. for \$3.00
Ampules, 6 in box, \$1.50

DAILY USERS OF VACCINES USE SHERMAN'S

SHERMAN'S NEW BOOK

JUST OFF THE PRESS

DEVOTED TO THE APPLICATION OF

Bacterial Vaccines

Explaining their therapeutic action—How,
When and Where to use them.

More rapid strides have been made and more brilliant results obtained in the Field of Therapeutic Immunization than in any other branch of medicine.

This book contains over 500 pages, is cloth bound and sells for \$2.50.

Write for Literature

G. H. SHERMAN, M.D.
3334 Jefferson Ave. E. Detroit, Mich.

HIGH GRADE Whiskies and Brandies

For Physicians and Hospital Use

SCOTCH WHISKIES

	Case	6 bots.	4 bots.		* Case	6 bots.	4 bots.
Gilbey's Three Gees	\$15.00	\$8.50	\$6.00		\$18.00	\$9.50	\$7.50
Dewar's Special	16.00	9.00	6.25		18.00	9.50	7.50
Usher's O. V. G.	16.00	9.00	6.25		18.00	9.50	7.50
Whyte & Mackay	16.00	9.00	6.25		18.00	10.00	7.50
Buchanan's Red Seal.....	16.00	9.00	6.25		18.00	10.00	7.50
Spey Royal	16.00	9.00	6.25		19.00	10.50	7.50
Exporters' very old Scotch, Imp. quarts	16.00	8.00	6.00		19.00	10.50	7.50
Kilmarnock	18.00	9.50	7.50		20.00	11.00	8.00
Black and White.....	18.00	9.50	7.50		22.00	12.00	8.00
Begg's White Cap.....	18.00	9.50	7.50		22.00	12.00	8.00
Usher's Special Reserve....	18.00	9.50	7.50		24.00	12.00	8.00
Dewar's Blue Label							
Sherriff's V. O							
White Horse.....							
John Haig's Glenleven ...							
Perfection							
Usher's Green Stripe.....							
Dewar's Special Liqueur...							
John Haig's Gold Label...							
Kilmarnock's Red Label ..							
Bulloch Lade Gold Label ..							
Mitchell's Quart Flasks...							
Dewar's Extra Spec. Liq...							
Kilmarnock Black Label ..							

FINE OLD DRAUGHT, \$8.00 PER GALLON.

SEAGRAM'S CANADIAN RYE WHISKIES

IN BOTTLES

	12 bots.	6 bots.	3 bots.
Seagram's '83'	\$11.00	\$6.00	\$3.50
Seagram's White Wheat ..	11.00	6.00	3.50
Seagram's One Star.....	8.50	4.50	2.75

IN BULK

	Per gal.	Per 2 gals.
No. 83	\$5.25	\$10.00
White Wheat	5.25	10.00
One Star.....	4.50	8.50

Seagram's V. O. Rye, in 1, 2 and 5 gallon jars, per gallon\$7.00

HENNESSY'S FAMOUS BRANDIES

	Case	6 bots.	4 bots.
Hennessy One Star	\$22.00	\$12.00	\$8.00
Hennessy Three Star	25.00	14.00	10.00
Hennessy V. O.....	27.00	15.00	12.00

Order by mail

Express prepaid to all parts in Ontario

EXPORTERS LIMITED

J. S. Giles, President

489 St. Paul St. West, Montreal

W. J. CHALMERS

ALBERT OAKLEY

CHALMERS & OAKLEY

INVESTMENT BONDS AND STOCKS

615 and 616 C.P.R. Building
TORONTO

WE suggest to the physician whose practice keeps his mind too much occupied to worry over speculative investments, the investment of his surplus funds in **Government or Municipal Bonds**, or first-class **Preferred Stocks** which we are prepared to recommend as absolutely safe.

We invite inquiries which will be cheerfully dealt with.

We also handle **Mining and all other stocks**, listed or unlisted.

PHONE MAIN 4781

Bellwoods Private Hospital

MRS. M. E. WHITAKER
Superintendent

56 BELLWOODS AVENUE
TORONTO

This Institution affords the very best of care, under strictly aseptic conditions. The Management are anxious that Physicians, who have had reason to be dissatisfied with any other Institution and the manner in which their patients were handled, should call and see for themselves that BELLWOODS PRIVATE HOSPITAL is in every respect first class.

Prices moderate, consistent with first-class service.

Telephone College 3798

DOCTOR

Permit us to suggest that you recommend your patients, particularly Neurasthenics, to spend a couple of hours, two or three times a week, at

THE

York Theatre

812 Yonge Street

(A few doors north of Bloor St.)

We know that we can benefit such patients, physically and mentally, resulting in their enjoying greater freedom from worry, more restful sleep and a hastened convalescence.

Will you allow us to aid you in the treatment of some of these troublesome cases?

We would be pleased to have your name on our mailing list. We send out programmes each week which give a brief synopsis of the pictures being shown.

FLOWERS FOR YOUR PATIENTS

Physicians sometimes overlook the fact that *a bright, cheerful bedroom means more rapid recovery* on the part of their patient. Why not appeal more to the esthetic and *advise the use of Cut Flowers in the Sick Room?* It unquestionably pays.

Mention to your patients that we can deliver (in their season) any kind of Cut Flowers, including *Roses, Carnations, Chrysanthemums, Easter Lilies, Narcissi and Hyacinths*, at exceedingly reasonable prices. Our 6½ acres of greenhouses are open to inspection any day in the week, *including Sunday*. We are just 5 minutes' walk north of St. Clair Ave.

MILLER & SONS, Florists

Tel. "Junction 700 W"

Lauder Ave., Toronto

GOOD HEALTH THE GREATEST PRIZE!



**Cosgraves
XXX Porter**

(Stout)

BUILDS HEALTH

The Doctors recommend it because they know it contains the health-building, blood-enriching qualities of the finest malt and hops. Both are recognized for their great nutritive value.

Cosgraves Stout is a highly concentrated food, easily digested and readily assimilated by the system.

Made to comply with the Ontario Temperance Act. Guaranteed to contain malt, hops, and pure filtered water only.

All Grocers and Dealers, or Phone Adelaide 486

Some said: "Raise the price to the retailer."
 Some said: "Lower the quality." Some said:
 "Cut the advertising appropriation."

That is the summary of advice we have received during the past year from people who knew how greatly our cost of making Coca-Cola has been advanced owing to extravagant rises in cost of *all* ingredients.

We said: "Price, quality and advertising will remain the same."

Mr. Retailer—you have helped us to make our success. We do not forget this fact for one minute. Then we would be mighty poor specimens if we tried to make you carry the load of our increased costs by cutting down your profits on Coca-Cola. The burden is ours—we have gladly assumed it.

As to lowering the quality of Coca-Cola—its quality is what has established it as a success. Quality is the great big thing we have been preaching for years. We would ruin our business and hurt yours if we were so short sighted as to try to sell dollars in good will for pennies in profit. We will leave that kind of business to makers of so-called imitations of Coca-Cola.

It is ridiculous, to our way of thinking, even to suggest cutting

down on the advertising. Our advertising is as much a part of our selling force as are our salesmen. Advertising plays its big part in keeping your soda fountain busy serving Coca-Cola. We might as well fall down in keeping you supplied with the syrup as to fail to keep our implied promise to you to keep you supplied with the demand for Coca-Cola.

Therefore, though this is our leanest year from the standpoint of profits in dollars, we are determined to make it a fat year from the standpoint of keeping faith with you and the public.

All we ask of you is the natural and *human* reciprocity of serving only the genuine.

The Coca-Cola Co., Atlanta, Ga.

10D

Serve Delicious

Coca-Cola
TRADE MARK
REGISTERED

Order from your jobber



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.

The Chase Hospital Doll

For Use in Training Schools

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.

CATALOGUE "C"
 WRITE FOR IT,
FOR HOMES OR HOSPITALS
 FOR CARRYING PATIENTS UP OR DOWN STAIRS,
 CAN ALSO BE USED ON THE LEVEL
 BY DETACHING CARRYING BARS,
 MAKES A FIRST CLASS
**LIBRARY VERANDAH
 OR SMOKING ROOM CHAIR.**
**THE
 GENDRON
 MFG. CO.
 LIMITED**
 TORONTO
 Canada.

TORONTO
 Gendron
 CANADA

COWAN'S COCOA IS ABSOLUTELY PURE

As a sick-room beverage Cowan's Cocoa is highly recommended on account of its high quality and absolute purity. It is made of the best selected cocoa beans, scientifically blended, and contains no foreign elements. And it is prepared in a large modern factory where the most sanitary conditions are maintained.

THE COWAN CO., LIMITED
 TORONTO

AN ODORLESS HOSPITAL

The particular attention of Hospital Superintendents is called to

ROSEALENE Odorless Disinfectant

It is an ideal preparation for use in Institutions or the private sick room, as will be seen from the following letter received by the manufacturers :

DEPARTMENT OF HEALTH
Chas. J. Hastings, M.D., Medical Officer of Health
RIVERDALE ISOLATION HOSPITAL
M. B. Whyte, B.A., M.B., Medical Superintendent

Rosealene Products Limited, City.

TORONTO, July 7th, 1916.

GENTLEMEN :

It affords me pleasure to testify to the value of Rosealene as a deodorant, particularly for Hospital use. I have used Rosealene with success as a deodorant where other disinfectants have not proved satisfactory. For bathrooms and bathroom utensils, sinks, etc., it is ideal, having the advantage of being odorless and perfectly harmless, as well as most effective.

Yours truly,
KATE MATHIESON, *Supt. of Nurses.*

ROSEALENE is not only **absolutely odorless**, but **stainless**.

Rosealene Odorless Disinfectant will keep an odor suppressed twenty times as long as the old Coal Tar Disinfectant, with its obnoxious odor, hence the saving of disinfectant and labor.

Rosealene Odorless Disinfectant will keep the odor from an ordinary toilet suppressed for twenty-four hours or longer, while the coal tar disinfectant destroys the odor only about one hour, when the odor of the toilet and the coal tar disinfectant are both to be contended with as separate odors, proving lack of efficiency.

We are ready and willing to supply any Hospital with more than sufficient ROSEALENE to thoroughly test it and unless it is, in every way, as represented, we expect no sale. Under such circumstances, is it not worthy of a trial?

ROSEALENE PRODUCTS LIMITED 145 Wellington St. West
TORONTO, CANADA
Telephone Adelaide 3659

PHYSICIANS! OCULISTS!

You can rely on us to execute your Prescription work accurately.

10 years' experience has taught us to be exact in making prescribed glasses.

Your patients will be given careful attention.

ELWOOD'S

THE OPTICAL SHOP

159 Yonge St. Main 1288

PHYSICAL TRAINING

Massage, Baths, Etc.

Private Individual Treatment for Constipation, Dyspepsia, Nervous Disorders, Sciatica, Lumbago, Spinal Curvature, Reducing or Increasing Weight, Physical Defects, etc. Treatments for men, women and children given under the supervision of your own medical adviser.

D.M. BARTON

160 Bay St. (Phone Adel. 2569) Toronto

Hamilton Branch, 41 King Wm.

When writing advertisers, please mention The Hospital World.

KEPHIRIN

Pronounced (KĚF-ER-IN)

ASPIRIN—MADE IN CANADA

PACKED IN BOTTLES OF 24 AND 100 TABLETS

5 GRAINS EACH NET OF **KEPHIRIN**

ALSO POCKET BOXES OF 12 TABLETS

OUNCE BOXES OF POWDER FOR PRESCRIPTIONS

FREE FROM FREE SALICYLIC ACID
TABLETS DESINTEGRATE RAPIDLY THUS GIVING
IMMEDIATE RESULTS

WHOLESALE DISTRIBUTORS

NATIONAL DRUG AND CHEMICAL CO. OF CANADA, LIMITED.

COMMERCIAL
CONQUERING CANADA'S COMMERCIAL
VICTORY OVER GERMANY

CORNERSTONE LAID MONTREAL 1915
BRITISH AMERICAN CHEMICAL CO LIMITED

PHYSICIANS PREFER

GLOSS

Satinette

FLAT

WHITE ENAMEL

SANITARY

WASHABLE

DUSTPROOF

ARTISTIC

Will Not Turn Yellow

Elastica The Perfect Floor Finish
Send for Sample Paper

INTERNATIONAL VARNISH CO.
LIMITED

TORONTO

ONTARIO

MISS S. A. MALLOY

155 Robert Street, Toronto

Phone College 2441

announces to the Medical Profession that she is prepared to take for treatment a limited number of Stammerers. Miss Malloy has for years made a special study of Defective Speech, and would like to have the opportunity of showing Physicians what she can do in the relief of such cases.

SAL HEPATICA

The Ideal
Saline

Eliminant

In

Rheumatic

Conditions

Bristol-Myers Co.

New York



WHEN ORDERING

Hospital Sheeting	Ice Bags	Ice Caps
Hot Water Bottles	Atomizers	Syringes
Rubber Tubing	Breast Pumps	Catheters
Surgeon's	Invalid Cushions	Colon
Bandages	Operating	Tubes
Umbilical Belts	Cushions	Pessaries
	Vaginal Douches	Urinals

SPECIFY OUR BRANDS

We are the only Makers of these Goods in Canada



CANADIAN CONSOLIDATED RUBBER CO. LIMITED

MONTREAL - - P.Q.

28 "Service" Branches Throughout Canada

Peptoglycerophos An Ethical Pharmaceutical

EACH
FLUID
OUNCE
CONTAINS :

Lime Glycerophosphate	8 grs.
Soda Glycerophosphate	16 grs.
Iron Glycerophosphate	1½ grs.
Manganese Glycerophosphate	1 gr.
Quinine Glycerophosphate	½ gr.
Strychnia Glycerophosphate	1/16 gr.
Beef Peptone	16 grs.

DOSE :
ONE OR TWO
TEASPOON-
FULS AS
DIRECTED

The formula designates the every-day use you have for such a preparation.

FRANK W. HORNER, Limited
MONTREAL

When writing advertisers, please mention The Hospital World.

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 :

"Hospital Maintenance and Finance"

C. J. C. O. HASTINGS, Medical Health Officer, City of Toronto; HELEN MACMURCHY, B.A., M.D., Assistant Inspector of Hospitals, Province of Ontario; and MR. CONRAD THIES, late Secy., Royal Free Hospital, London, England.

"Hospital Equipment and Appliances"

N. A. POWELL, M.D., C.M., Senior Assistant Surgeon in charge Shields' Emergency Hospital, Professor Medical Jurisprudence, Medical Department, University of Toronto.

"Hospitals and Preventive Medicine"

J. W. S. McCULLOUGH, M.D., Chief Officer of Health for the Province of Ontario.
J. H. ELLIOTT, M.D., Asst. Medicine and Clinical Medicine, Univ. of Toronto.
P. H. BRYCE, M.D., Chief Medical Officer, Dept. of The Interior, Ottawa.

"Nursing Department"

MISS MARGARET CONROY, Boston, Mass.

"Hospital Construction"

CHRISTIAN R. HOLMES, M.D., Cincinnati, Ohio; DONALD J. MACKINTOSH, M.D., M.V.O., Medical Superintendent, Western Infirmary, Glasgow.

"Medical Organization"

HERBERT A. BRUCE, M.D., F.R.S.C., Surgeon, Toronto General Hospital, Toronto; H. A. BOYCE, M.D., Kingston, Ont.; H. E. WEBSTER, Esq., Superintendent the Royal Victoria Hospital, Montreal, P.Q.; W. A. YOUNG, M.D., L.R.C.P., London, Consultant, Toronto Hospital for Incurables, Toronto.

"Sociology"

J. T. GILMOUR, M.D., Warden, Central Prison, Guelph, Ont.

"Tuberculosis Sanatoria"

GEORGE D. PORTER, M.D., Toronto; J. H. HOLBROOK, M.B., Physician-in-Chief, Mountain Sanatorium, Hamilton, Ont.

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

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

Vol. XI.

TORONTO, APRIL, 1917

No. 4

Editorials

A FURTHER ADVANCE

IT IS about three years since this journal drew the attention of its readers to a remarkable social experiment undertaken in Boston in the appointment of a medical officer on the staff of the Boston Municipal Court, whose work it would be to make special studies

of offenders referred to him by the judges and probation officers.

Very little has appeared in the press concerning this departure because it was altogether experimental, and results only would prove justification of its continuance.

It is good to know that after three years of unobtrusive work the innovation has amply justified itself, and some weeks ago the Boston City Council passed an appropriation of six thousand dollars for the maintenance of what has become a recognized part of the Court work, under the title, "Department of Medical Service, Criminal Branch, Municipal Court."

Dr. V. V. Anderson, the appointee, is both physician and psychologist, whose findings, after three years' service, have made evident to the Boston civic authorities the broad and varied knowledge required in dealing with criminal offenders.

Only a small percentage of the persons passing through the criminal sessions of so large a city could possibly come under one physician's inspection. In fact, less than one per cent. of those brought into court have been examined by him—representing those cases concerning which the Court felt that it needed the report of a medical and mental expert to guide it in handling them.

This one per cent., however, reveals some striking features. About twenty-five per cent. were feeble-minded; nearly twenty per cent. belonged to the neurotic class. About nine per cent. were clearly

insane. About forty each out of a thousand were epileptic and alcoholic; while about fifteen per cent. are recorded as having "no disease or defect, but with strong criminal tendencies."

The latter class, together with the ten per cent. normal, make over fifteen per cent. of what might be termed "unexplained" criminals from a medical standpoint. But the most striking point of Dr. Anderson's summary is that he endeavors to explain this deliberately criminal class.

Briefly, he holds that these criminal tendencies are not innate but acquired, partly by lack of discipline and teaching required for the establishing of proper standards and habits at the proper stage of their development, and partly by influence brought to bear in the individual.

This, it may be noted, is only an elaboration of that wise old saying, "Train up a child in the way he should go, and when he is old he will not depart from it."

Dr. Anderson, however, has to deal chiefly with the habitual offenders, the men or women who are mentally unfit to appreciate their obligations—that great, depressing class of the feeble-minded concerning whom he sounds a note to which our existing social order must hearken sooner or later:

"There is a time when a chance exists in each and every individual for some advance along the lines of proper habitual training. But if this time passes, the mental arrest has become so firmly fixed that all possible chance for improvement is entirely lost."

Original Contributions

LITTLE JOURNEYS

BY JOHN N. E. BROWN, SUPERINTENDENT.

THE HENRY FORD HOSPITAL

SITE.

THE site comprises 20 acres, which were purchased in 1909 for \$90,000. The original plan provided for the pavilion type of construction, in order that the patients of various classes might be properly segregated. The founders had in mind the construction of a hospital to care for all sorts of diseases, including tubercular and contagious. Plenty of room was to be left, after the initial buildings were completed, for subsequent expansion. Plans for the hospital were formulated after a study had been made by a committee consisting of the architect and several medical men of all the leading hospitals in America and Europe. The first plan contemplated the construction of low pavilions, surrounded by open spaces, which would be filled with trees and flowers. The aim was to admit as much sunlight and fresh air into the wards and around the buildings as possible.

BUILDINGS.

There are already constructed three fundamental buildings—the Service Building, the Laboratory and Operating Building and one building for patients. The three first-named buildings are large enough to provide for the care of many hundreds of patients.

The Service Building contains the kitchens, storerooms, laundry, disinfection plant, engines, boilers, refrigerators, hot water heaters, filters, and compressed-air machines. In the second storey of this building are the resident doctors' quarters. There is room in the two upper stories of this building to house one hundred or more employes.

The Laboratory Building contains several small laboratory and research rooms, temporary medical offices, the X-ray department, the pharmacy, the morgue, and autopsy room. The basement is mainly devoted to storage.

OPERATION BUILDING.

The Operation Building contains five operating suites, each suite consisting of three rooms—the operating room proper, the anesthetic room, and the surgeons' scrub-up. One of the suites is considerably larger than the others and contains an amphitheatre which will seat fifty students. The walls of three of the operating rooms are covered with moss-green tiles—very pleasing to the eye. The walls of the fourth room are gray, and the walls of the fifth—the dark room—are black. There are two general sterilizing rooms in which all the sterilizing is done, except that of the water. The water is sterilized in two large, unpolished boilers in the attic of the building. The water is piped down to the several operating rooms and to the nurses' scrub-up. At the outlet of the pipes there is a small device which is attached to the end of the faucets. As often as necessary the engineers pass steam through all the pipes connecting the two boilers in the attic with the outlets, thus completely sterilizing them. The lavatory valves are of the elbow type. The liquid soap containers are above the lavatories and flush with the wall, the soap being relieved by pressure of the knee on a small button below the lavatory bowl.

The daylight is transmitted to each operating room through very large windows situated in the north walls and in the roof. The operating rooms have glass ceilings, between which and the glass roof are powerful nitrogen lamps for the artificial lighting of the operating rooms below.

CORRIDORS AND TUNNELS.

Connecting several of the buildings are tunnels, partly underground, in which run the various pipes and conduits—hot and cold water, sewage, electrical, gas, compressed air, etc. The food is conveyed from the general kitchen through them to the wards. Servants also use them, and the remains of patients who die are taken to the morgue through them.

the opposite side of the smokestack from the two already installed. The smokestack is 175 feet high. On the ceiling above the coal-receiving hoppers are immense bunkers which hold 200 tons of coal. The central portion of these bunkers is reserved for ashes. In the basement below the boiler room is a coal crusher, into which the coal drops from an opening in the sidewalk. After crushing the coal is carried up by mechanical carriers to the bunkers. The ashes, which are dropped from the fires into hampers below the furnaces, are carried in trucks to the same mechanical elevator and dumped into the centre of the bunkers. From this place they are carried through a pipe out of doors and into wagons. In the basement there is a powerful fan which is connected with the stoking apparatus. It furnishes sufficient current to make a complete combustion of the coal, thus preventing any smoke. In this basement are also placed a work bench, an exhaust boiler and storage racks for pipes.

ENGINE ROOM.

The engine room is capacious and well lighted and on the same level as the boiler room. At present there are two turbines, one refrigerating machine, several hot-water heaters and a switchboard in this room. There is room left for a duplication of the engines. Here the electricity for light and power purposes is generated, as well as the cold for refrigerating purposes, the refrigerating machine having a capacity of twenty-five tons per day. On one side of the engine room there is no floor and up through this space projects from the basement, the hot-water heaters referred to above. In this space and underneath a portion of engine floor are the various pumps for conveying of water from the hot-water heaters to the boilers and for pumping the hot water throughout the hospital to the various baths, lavatories, etc. There are also two steam pumps here. In this basement the engineers and firemen have a toilet and locker room and there is also provided an ample storeroom for the engineers' supplies.

MEDICAL ORGANIZATION.

The hospital has adopted the unitary system of medical organization. Up to the present there is one chief in medicine and one chief in surgery. These men give their whole time to

the hospital, doing no outside work. They work on salary. Besides them there are several resident surgeons and several resident physicians who live in the institution, one or the other of them being on duty continuously. These residents are men who have had considerable hospital experience, and are qualified to cope with any emergency, if such emergencies occur, during the absence of their chiefs. These men are also on salary, and remain an unlimited time with the hospital.

So far, only medical and surgical cases are admitted to the hospital. Many of the patients come from the Ford factory. The hospital is open, however, to outsiders as well. Patients are charged at the rate of from \$2.50 to \$10.00 per day, depending on the kind of accommodation wanted. An extra charge is also made for the use of the baths in the Hydrotherapeutic Department, and surgical patients are charged if an operation is performed. On the medical side, however, the charge for the room includes not only the room, but also the board, nursing, and for the doctor as well.

On the medical service, a good many of the patients have been treated for morphinism and alcoholism, with a good deal of success, probably 25 to 30 per cent. making recovery. There are treated also a good many cases of functional nervous diseases, and for such we find much value in the Hydrotherapeutic Department. In this department already, although we have only some sixty patients, we employ two men and one woman. These people also do massage work, the baking of joints, and administer the light treatment.

NURSES.

The nurses employed are all graduates of well-known training schools. They work eight hours per day, and work in three shifts, changing from one shift to the other quite occasionally. The nurses start with a salary of \$80.00 per month, gradually increasing to \$90.00. After three months' service they are allowed one day off in seven. Their uniforms are laundered for them by the hospital.

Selected Articles

ST. GEORG HOSPITAL, HAMBURG

AN important part of the surgical administration at St. Georg, is the work which is done in the small examining room in the separate pavilions described before, as part of the admission suite. Here many phlegmous felons, urine infiltrations, etc., are relieved when the patient is admitted and thus the infections are not carried to the operating building at all. In the operating building itself, a careful selection of cases is made and no septic case goes to the aseptic operating room.

The operating building itself is a structure of two stories, 97 ft. by 50 ft., and besides the two large operating rooms and the various accessory rooms which together occupy the entire floor, there are, on the upper floor, a suite of rooms devoted to the X-ray service, a storing space for dressings, the quarters of the nursing supervisor and those of the two operating-room nurses. As above-mentioned, there are no connecting corridors, even to the nearest pavilions, as the exception is occasionally made (e.g., at Virchow and Schoeneburg), patients are brought from the pavilions upon rubber tired iron stretchers, provided with good soft springs. The stretcher proper is lifted off from the truck at the destination.

The basement of this building contains a feature unlike anything elsewhere observed. This is a mechanical air filter, by means of which the air going to the aseptic operating room is filtered through a layer of sand or finely broken coke. On its way it passes in winter over heating radiators; in summer it is cooled by ice. It is propelled to the operating room by an electric blower, which is said to be noiseless.

A feature that was well thought out in this building is the arrangement of the rooms devoted to the preparation and to the storing and distribution of dressings. A bandage store-room, with extensive shelf space, occupies a position in the basement directly below the main dispensing-room for bandages and other

dressings, and is connected with this and the plaster-room on the floor above this by a lift. The dispensing-room on the main floor has a door into the corridor leading to the operating-room, but also has a dispensing window in the lobby or hall through which the dressing materials are given out to those from the various pavilions. These persons enter the first floor of the operating building, but are obliged to go no farther.

From this small hall or lobby the stairs lead up to the X-ray department on the second floor, so that the patients from the pavilions have access to this without entering the corridor leading to the operating rooms.

Entering this corridor from the lobby just described the large aseptic operating-room (28 ft. by 23 ft.) lies at the left, at the end of the corridor, the septic operating-room (about 20 ft. by 30 ft.) is just across the corridor opposite the main entrance, and lying between the two is the sterilizing room for both. As an ante-room the portion of the corridor opposite the sterilizing-room is cut off from the rest by a glass partition and door. Turning to the right along the corridor there is first, as above described, the dispensing-room for dressings, and opposite this an elevator, a laboratory and a bathroom, beside the office of the chief surgeon. At the end of the corridor is a waiting-room at either side, one for men and one for women, friends of the patients being operated upon.

Returning to the large aseptic operating-room, we see a room nearly thirty feet square, of which almost the whole of two sides and the ceiling are composed of double ground glass windows, while the rest is covered with white tiles. The warm air passes beneath the floor of this room just as beneath those of the wards; it then makes its way between the double glass wall that forms the large windows. The chamber between the glass ceiling of the operating-room and the glass roof is thus heated and is ventilated by a stack which takes off this rising warm air. This chamber above the ceiling is essentially the same as that at the Rudolfinerhaus in Vienna. Inside each of the two operating rooms there are four wash-stands for the surgeons' and nurses' use; but for the purpose of preparing the patients before being brought into the operation, there is alongside the operating-room another room about 23 ft. by 18 ft. with an elaborate

equipment, including apparatus for narcosis, four more wash-stands and all the appliances to prepare the patient for aseptic operation. Operators and others use gum-shoes (if a complete change is not made) over their street shoes, just as is done at Billroth's and Geersuny's, Rudolfinerhaus in Vienna.

Opening out of both the operating-room and the preparation-room is the room for instruments, apparently placed on the opposite side of the operating-room from the sterilizing-room so as to be removed from the steam.

The sterilizing-room is perfection itself, being equipped with everything conceivably necessary. The Lautenschlagers' of Berlin were given free rein to do their best. Besides dry sterilizers for catheters, catgut, glassware, etc., and steam sterilizers for high pressure, there are elaborate provisions for sterile water, hot and cold, for sterile saline and other solutions. The reservoir for sterile water contains 83 gallons; for salt solution 28 gallons. There is an autoclave built in the partition wall between the sterilizing-room and each of the operating rooms at either side. There is no door in the wall on the side toward the septic operating-room, the instruments being passed out through a window, thus minimizing the amount of communication between the two rooms. In the sterilizing room are also special provisions for warming water or solutions and for warming linen and appliances for the mechanical cleaning of instruments that have been used.

Turning again to the operating rooms, we observe in the larger aseptic room that ventilation is effected by forcing in by an electric blower of air which has passed through the gravel and coke filter in the basement. This was installed because of the particularly dusty atmosphere said to exist in this part of Hamburg, but the necessity for such an elaborate equipment as that here installed was questioned by some of the surgeons.

The lighting of this larger operating room at night is amply provided for, there being placed about twenty inches below the inner glass ceiling three composite electric lights, made up of 21 soumm lamps of 50 candle power, placed in a case with a ground glass bottom (toward the operating table) and a protecting wire screen to avoid danger in case this ground glass front should be broken. (Total, 3,150 candle power.) The

whole is so constructed as to admit of being easily kept clean. The arrangement of these three sources of well-diffused, though ample, light, is such as to make shadows almost impossible, and being placed high there is no annoying heat radiating upon the operator and patient.

In the other smaller operating-room one only of these larger composite lights (1,050 c.p.) is used. This is placed beneath the ceiling. There are smaller globes (set into the ceiling) each with a light of 250 candle power.

The day lighting of the second operating-room is through double windows (ground glass) about a bay across the whole end of the room (20 ft.). This bay, which is the half of an octagon, extends about 10 ft. out from the wall of the building, so that both sides and ceiling are a source of light within, covering about one-third of the whole ceiling space of the room. The walls for four feet up from the floor in this bay and all the way to the ceiling in the rest of the room are of glazed white tile. The floors in both the operating rooms are of hexagonal Mettlach tiles. The ceiling is thirteen feet high.

An interesting and unique, though cheap article of operating-room furniture here seen, is a simple square frame about thirty inches high, set upon casters and holding a canvas bag, that is just of a size to fit and hang inside this frame (about two feet square). The top of the bag is fitted with a closing top like that of a travelling bag, and this hinged frame is held open by fastening the bag into the frame standing on the floor. This bag stands at one side of the operating table and, since it is light and on casters, is easily placed where wanted. All soiled or waste dressings, cotton, etc., are thrown into this bag, which, after the operation, is simply closed and carried away to the disinfection and incinerating plant.

In describing his equipment (chapter 4 of "die Neubauten des Allgemeinen Krankenhauses, St. Georg, Hamburg"), Albers-Schoenberg, the great European expert radiologist, says it was the aim here to fulfil the following six conditions:

- (1) The Institute should undertake to carry on *all* X-ray work, both medical and surgical services, as well as that devoted more specially to therapeutics.

(2) All persons, whether physicians or nurses, must be absolutely protected in their work against the effect of the rays upon their bodies.

(3) Routine examinations must be carried out quickly, in the interest of the patient, to the end that any surgical operation to follow such examination may not be delayed.

(4) Every portion of the apparatus used shall at all times be ready for use, and have its fixed place in the laboratory, so that there may never be any loss of time in setting up the apparatus.

(5) In spite of the large and ample space allowed for this work, yet, as a result of the fact that much of the apparatus is of large size; the best use must be made of the space and particular reference to this point must be borne in mind in placing the apparatus.

(6) The Institute ought not only to be considered as meeting the practical needs of the hospital, but ought to be a model institution for the advancing and teaching of Röntgenology.

An elevator connects the operating suite, below, directly with the two main rooms of the Röntgen institute. One of these larger rooms in the centre leads to the dark-room suite, and the other to the room for storing records. To avoid any filtering of the rays through the partition between the examining room and the dark-room this wall is covered with lead plate, 1-50 inch thick. The walls of the dark-room are covered with black glazed tiles. The ceiling is painted in black. The entrance to the dark-room is through an ante-room and two doors, the one leading into the dark-room being protected by sheet lead to cut off even the secondary reflected rays.

In the ante-room is a vat of the photographic process, which it is found must be separated from the rest (that with Mercury). The window by which this room can be aired is glazed with red glass panes. An electrically driven developing table is in the room, as well as sinks, shelves for chemicals, etc.

In the first examining room, surgical cases are seen as well as all fluoroscopic work and therapeutic raying, which is carried out with a compression screen.

In the second room there are the so-called orthoröntgenographic equipment for measuring the heart, as well as the modi-

fied Holz knecht-Robinson examining table or "troschoscope," which is used in operations under direct Röntgen radiation, and in making dorsentral negatives of the thorax.

The cabinet for protecting the operator and nurses is 5 ft. 8 inches by 3 ft. and 6 ft. 5 inches high, large enough conveniently to accommodate three persons. It is lined with lead. This cabinet is made of use in other ways, both as a place to put important parts of the apparatus inside and also upon the top. It has in its sides windows of lead glass. At either side of this cabinet is an examination table, one for the sitting or upright position, and one for the recumbent. The head of this work here claims that this double equipment is of immense value in doing the work speedily and thoroughly.

Canadian War Hospitals

VETERANS GO TO WHITBY FOR CURE AND TRAINING

THE newly-built Provincial Hospital for the Insane at Whitby has been loaned to the Military Hospitals Commission for the housing of sick and wounded soldiers who have been Overseas. Nowhere else in the world, it is said, is there an asylum that can compare with the Whitby Institution for excellence of construction and design. It is the last word in the cottage hospital form of public building; and not too good for the remaking of the men who have been shattered Overseas in the service of Canada.

The first party of invalided men to be quartered at Whitby left the city in charge of Capt. A. G. Ley and Lieut. G. A. Gillis. Those two officers are to be in charge of the Whitby Convalescent Home for the present. Accommodation for five hundred men is available now, and twelve hundred can be housed within two or three months.

The hospital village has an ideal location overlooking Lake Ontario, north-west of Whitby Harbor. It is a mile and half away from the town, high and dry, yet very close to the finest bathing beach along the lake, and thirty miles from Toronto on the Grand Trunk Railway.

The cottages at Whitby were designed to give their inmates the maximum amount of sunlight and fresh air. Those which are to be occupied by the first five hundred invalided soldiers have housed female patients for several months. The unfortunate women have been taken to Cobourg, and the cottages made ready for the men who have been on active service.

The village consists of sixteen cottages, four hospital buildings, nurses' and doctors' quarters, recreation rooms, a central dining-room, power house, ice house, and an extensive concrete moulding workshop. The cottages provide accommodation for

fifty-seven to sixty-two inmates in each one of them, and the hospitals will hold four hundred when completed.

The perfection of the equipment amazes visitors to the place. From the power house to the kitchen nothing has been left undone for the comfort and convenience of the inmates and staff. The bedrooms and wards are models, and the day rooms in the cottages would grace a country club.

Fire prevention has been made a fine art, and the latest labor-saving devices are found, from the self-feeding boilers in the power house to the potato-peeling machine in the kitchen. The ice store-house is another model. The wastage last summer amounted to only five per cent. of the ice stored. Some private concerns call it good business if they have 80 per cent. of their crop.

The Military Hospitals Commission plan to make the invalided men fit for civil life by vocational training, farming, gardening, proper recreation and sufficient medical and surgical attention.

Five hundred acres of farm and garden land are available for the use of the patients. Ample indoor space is provided for the vocational training classes, and arrangements are already being made for moving pictures and baseball, fishing and boating, and other pastimes and sports to fill the idle hours.

The College Street Convalescent Home will be closed shortly. The Spadina Home will remain in use as a reception hospital; the Booth Memorial Home will be the home of "amputation" cases and the site of the artificial limb factory, but the Cottage Hospital at Whitby will be the place where most Toronto men returning from the war will be made well for some time to come.

The Ontario Government has established a high standard for the public institutions it has erected during the past ten years. The Cottage Hospital for the Insane at Whitby is unequalled, and only downright folly could make it unsatisfactory for the housing and treatment of returned soldiers.

THE MILITARY HOSPITALS COMMISSION—SOME OF THEIR PLANS FOR THE FUTURE

THE Military Hospitals Commission have recently made considerable progress in the securing of further buildings for the housing of returned soldiers.

At Whitby nearly 500 beds are now ready (with, later on, accommodation for 1,200), with an additional 500 at Guelph. The Massey-Treble Home will be opened almost immediately for incurable patients.

Mr. Armstrong, Secretary of the Commission, recently gave us the following information:—

The Booth Memorial Institution, or the Salvation Army Training School, is almost ready as an orthopedic hospital, with accommodation for 500. Contracts have been let for dining-room and kitchen, and plans are under way for extensions to the building to accommodate 400 to 500. In addition to this, a large building will be erected for the manufacture of artificial limbs, and vocational training class rooms.

Grant Hall at Queen's University, Kingston, has been taken over by the Commission, and is being converted into an active treatment hospital for 650 patients. It will be ready in a month's time.

Dalhousie University, in Halifax, has been taken over by the Commission, with grounds, and large temporary extensions are being added to take care of 500 patients.

Loyola College, in the Province of Quebec, is being converted into a Military Hospital with accommodation for 300 men, to be ready in three weeks' time.

The old Agricultural College Building has been turned over in its entirety by the Provincial Government to the Military Hospitals Commission, to be used for hospital and convalescent home purposes.

A start has been made to reconstruct the buildings in order that a convalescent home of six hundred beds may be available by April 15, and it is also proposed that re-education work will be undertaken here. The plans in detail, however, have not yet been arranged.

At the Guelph Reformatory there will be established one of the finest vocational and re-education centres, if not the best in the world.

The Commission has just completed arrangements with the City of Winnipeg for taking over Alexandra Park for erection of a temporary hospital, for active treatment, and temporary accommodation for 600 patients. At this hospital X-ray equipment and other equipment for special treatment will be installed. This hospital will be used as a Clearing Hospital for Manitoba and the West. Patients will be brought to that point by special hospital trains, from points of embarkation. After treatment and rest they will be distributed to various convalescent homes in their respective provinces.

In Saskatchewan the Commission has taken over the Y.M.C.A. Building at Saskatoon. This was given by the City of Saskatoon to the Commission, and will provide accommodation for 200 men. This will be used ultimately as a vocational school, being near to the University of Saskatchewan.

The Commission has consistently discouraged the taking over of hotels for small hospitals, owing to the large number of small rooms, and the difficulties of administration generally. The policy, which is concurred in by leading medical men, is to establish institutions in the country with accommodation of not less than 250 patients. In such institutions there is ample opportunity for expansion, and providing the men with proper vocational training.

The Knox College property was obtained free for two years, in consideration of large expenditures on the building. After two years the rent is to be \$8,000, and the Commission has expended between \$17,000 and \$18,000 on the building. The plans now under way of organization of management of Guelph and Whitby institutions, for dealing with treatment and education of returned soldiers, will put Canada in the forefront in this work.

MILITARY HOSPITAL LANTERN SLIDES

AN Ontario minister a few weeks ago borrowed from the Military Hospitals Commission a set of lantern slides. These slides show what goes on at the hospitals and sanatoria. That is, they show something of how our injured soldiers are being restored to health and to power for self-support, however serious their injuries may be. The minister exhibited the slides at three country churches under his charge. In returning the set he writes:—

“My recording steward, who is also the postmaster and chairman of the local recruiting league, says they should be shown in every community. They meet the unrest in many families who have feared that the maimed who return will be forced to sell lead pencils or such like.

“What I should have done was to ask for them for a longer period and put them on in every available church in this district. A man with a well prepared lecture and a few local slides could render a valuable service to the country, both in allaying the unrest above referred to and in removing the prejudice in some families from which recruits might be secured.”

The slides, with explanatory notes, may be borrowed by ministers and other responsible persons, free of charge. Application should be made to the Military Hospitals Commission, 22 Vittoria Street, Ottawa.

HOSPITAL FOR FLYING CORPS

TORONTO people interested in the welfare of the Canadian members of the Royal Flying Corps met at the Margaret Eaton School, on March 6th, to discuss the organization of a local committee to undertake work for this branch of the Imperial service. Dr. Helen MacMurchy was in the chair, and two representatives of the Royal Flying Corps, Lieut. John Inwood and Flight-Lieut. F. C. Biette, who is home on sick leave, told of this division of hospital work in England, and its ever-increasing needs.

Up to the present time, Lady Tredegar's London house at 37 Bryanston Square, under the supervision of Lady Henderson, and a convalescent home in Cornwall have been the only accommodation. The twenty-one patients are cared for by a matron, four nursing sisters and five nurses-in-training. The house staff consists of V.A.D. help, a number of whom have been Toronto and Canadian girls doing their bit in England, which makes this hospital of particular interest here.

English people have supported the hospital by voluntary subscriptions, but as a large proportion of the patients are Canadian men and the accommodation is quite insufficient, the Aero Club of Canada and friends of the Flying Corps have planned to give some assistance from here.

NURSES ARE HONORED

For their heroic service among the wounded in France and England several Toronto nurses have been decorated with the Royal Red Cross Medal. Miss Jean Johnstone, one of those honored, was formerly a public school nurse in the city. She went Overseas when the first call came for nurses in 1914, and has done valuable work in Egypt, Lemnos, Salonica, England and France.

Miss G. A. Gray, whose valuable services have resulted in the Royal Red Cross Medal being awarded to her, went Overseas with the No. 4 University of Toronto Hospital.

Miss G. A. Mavety, who has been decorated by the King, is the daughter of Dr. A. C. Mavety, 173 Mavety Street. She volunteered for Overseas in February, 1916, and a month later went Overseas with the Ontario Government Military Hospital.

Miss Marion R. Marsh, of Newmarket, who went Overseas with the same hospital, has also been decorated with the Royal Red Cross Medal.

Miss F. H. Wylie, daughter of Capt. W. H. Wylie, in charge of the recruiting depot at St. Catharines, has been decorated for service in various hospitals since the outbreak of the war. She is now with the Canadian Casualty Clearing Station in Belgium.

Lieut.-Col. R. Delharwood, Edmonton; Lieut.-Col. F. W. Wilson, Toronto, and Major A. W. McPherson have gone to France.

Dr. W. W. Chipman, Montreal, has been appointed to assist Lt.-Col. Thompson, M.P., Medical Officer of the Military Hospitals Commission.

Capt.-J. N. MacRae, C.A.M.C., Galt, Ontario, late Adjutant of the 34th (Western Ontario) Battalion, is now Acting Adjutant of the Central Military Hospital, Shorncliffe.

Lt.-Col. Shillington recently took charge of Kitchener Canadian Hospital at Brighton, and is now settled there as officer commanding. This hospital at present consists of 1,400 beds, but may later be increased by 1,000.

Lt.-Col. McPherson, before taking up his position as O.C. at Orpington, was given a dinner by the officers of Taplow Hospital, on the occasion of that institution being taken over by Lt.-Col. Roberts, recently of No. 4 General Hospital at Saloniki. The function took place at London House, which Maj. Waldorf Astor loaned for the occasion.

Dr. Fred. Burnham, Winnipeg, has left England for Macedonia, where he will take command of the Serbian Military Hospital. Dr. Burnham saw service with the British Red Cross in Montenegro, and was attached to the staff of a base hospital at the time of the Montenegrin retreat. He has been decorated twice by the King of Montenegro.

Captain Alfred K. Haywood, M.C., is now in charge of the Canadian Convalescent Hospital at Epsom, containing 2,500 beds. Captain Haywood left Toronto as medical officer of the 3rd Battalion. He served with the battalion in the field about a year and one-half, and was through all the heavy early fighting, such as the battle of Ypres. Previous to the war Captain Haywood was assistant superintendent of the Toronto General Hospital.

Hospital Items

ACTION AGAINST MONCTON HOSPITAL BOARD

AN interesting case was recently argued in the Chancery Division at St. John, N.B., before His Honor Mr. Justice Grimmer when a suit was brought against the Moncton Hospital Board by Mr. Francis P. Murphy, of Moncton. A by-law was passed by the Hospital Board last year by which any person, by payment of a sum not less than one dollar, was entitled to vote at the Annual Meeting upon any question, including the election of trustees of the hospital. Accordingly a number of persons paid the necessary subscription and subsequently registered their vote at the Annual Meeting, when three trustees were elected, one of them being Mr. Murphy. An adjourned meeting of the Hospital Board was held, at which the by-law previously passed was declared to be *ultra vires*. A second vote was then taken, with the result that Mr. Hamilton, one of the retiring trustees, was re-elected instead of Mr. Murphy. In bringing his suit, Mr. Murphy claimed that the action taken by the Hospital Board at the adjourned meeting was illegal and demanded damages. The contention of the defendants that both the by-law and the proceedings at the Annual Meeting were illegal was upheld by the Judge, who pronounced judgment in favor of the hospital.

REPORT OF ST. VINCENT DE PAUL HOSPITAL, BROCKVILLE, FOR YEAR ENDING DEC. 1, 1916

IT was with satisfaction that the Sisters of St. Vincent de Paul Hospital, Brockville, recently placed before the public the report of the past year's work.

Improvement, the watchword of the hospital, has marked a few of its departments during 1916.

Chief of these is the renovation of the diet kitchen on each flat, which now enables the dietician to serve the same tray and dishes to each individual during his stay in the hospital. This unique system of serving the sick has called forth high commendations from the casual observer. Another very important accessory, which adds to the appearance and usefulness of this department, is an Alexander war sink.

The old house 'phone system being entirely beyond repair, it was necessary to introduce another. This is a decided improvement, as it gives better service and practically eliminates all noise.

Although the new electrical elevator is only in course of erection, yet some mention must be made of it. This departure was most urgent, as the old elevator was condemned as being unsafe for the transfer of patients to the wards.

The Sisters take this opportunity of extending their sincerest thankfulness to their never-failing generous friends who, in some degree, great or small, have advanced the standard of the hospital.

ANNUAL MEETING OF ROYAL VICTORIA HOSPITAL, MONTREAL

THE 22nd Annual Meeting of the Board of Governors of Royal Victoria Hospital, Montreal, took place on January 16th. It was reported that patients to the number of 6,075 had been admitted during the year, of whom 1,794 received free treatment, 2,566 were admitted to the public wards, and 1,715 had private rooms; 4,556 were residents of Montreal and 1,519 resided in neighboring districts. The average number of days spent at the hospital per patient was 20, and 123,967 days of treatment were given, as compared with 107,927 in 1916; 295 deaths occurred during the year, the percentage being 4.9, or, if those which occurred within forty-eight hours of admission were deducted, 3.07. The average cost of maintenance per patient was \$2.18 a day, seven cents less than during 1915.

ANNUAL MEETING OF WESTERN HOSPITAL, MONTREAL

THE Board of Governors of Western Hospital, Montreal, also held their 44th Annual Meeting on January 16th, when the President was able to make the gratifying announcement that the overdraft at the bank had been reduced from \$46,000 to \$17,000, the sum of \$60,000 having been subscribed during the campaign a few months ago. The present buildings are not large enough to meet the increasing requirements, and a committee has been appointed to consider the best means of dealing with the situation. The average daily cost per patient was \$2.47. The number of admissions to the hospital was 1,567, of which 1,413 were residents of Montreal; 28 deaths occurred, being a percentage of 2.77; 18,225 cases were treated in the Outdoor Department. Dr. Peter S. Campbell is Acting Medical Superintendent of the hospital in the absence of Dr. Alan F. Argue, C.A.M.C., Medical Officer of the 244th Battalion.

INCREASED HOSPITAL GRANTS

A REPRESENTATIVE deputation from the hospitals of the Province on March 8th asked the Provincial Government for increased assistance. Dr. Langrell, Hamilton, presented a resolution which had been passed asking the Government to increase its grant for free patients from 20 cents a day to 40 cents, and that the hospitals should be empowered to collect from the municipalities by way of a debt, \$1.50 a day for indigent patients, instead of \$1 a day as at present.

Mr. W. E. Rundle, chairman of the Finance Committee of the Toronto General Hospital, gave statistics to show that Government grants in the Province had not increased in the last 21 years. On the other hand, the cost of maintaining patients had risen from 72 cents a day to between \$1.70 and \$1.80 a day. The number of "hospital days" in the Province had increased from half a million to two and a-half millions

in that time. The increase in expenditures was more than fourfold.

Mr. J. L. Chabot, Ottawa, representing the Ottawa General Hospital, said the Workmen's Compensation Act worked a real hardship on the hospital. The loss in this way had been serious.

Mr. Goodwin, New Liskeard, and Mr. P. J. Muga, London, also spoke.

Premier Hearst promised careful consideration of the representations made by the deputation. With reference to Mr. Goodwin's plea for special consideration for the northern hospitals, he thought that justice demanded that the Government should step in and do something. The matter of added burden under the Workmen's Compensation Act was being taken up on the application of the doctors with regard to first aid legislation.

The Controllers of the City of Toronto, on March 9th, at their meeting, expressed themselves as quite agreeable to the Government increasing its share of the per diem grant made to hospitals, but demurred so far as the City was concerned. The notice to the Board of the meeting at the Parliament Buildings did not state whether or not it was proposed to increase the City's share, and it was decided to keep an eye on the action contemplated by the Government.

OFFERS LARGE SUM TO KINGSTON HOSPITAL

THE Chancellor of Queen's University, Dr. James Douglas, of New York, has agreed to give \$100,000 towards a fund to develop Kingston General Hospital into a capacious modern institution, and especially with a view to the improvement of its teaching facilities in connection with Queen's University School of Medicine, making research work possible. The Hospital Board expressed appreciation of the generous gift, and the committee will engage a hospital architect to draw plans, and later will put the matter before the Legislature and the municipal councils of Eastern Ontario.

COLONEL PERRY GOLDSMITH, Toronto, was last month appointed President of the Officers' Standing Medical Board. Colonel G. S. Rennie, of Hamilton, has assumed the entire duties of Assistant Medical Director at Shorncliffe, now that Colonel Shillington, Ottawa, has gone to command the Kitchener Hospital at Brighton. Major Donald, Vancouver, is appointed Commandant of the Canadian hospital ship, with Captain McDiarmid as Adjutant.

THE Toronto City Council on March 5th granted \$15,000 to the Grace Hospital to assist in the payment of the accounts entailed by extensive structural alterations, etc.

THE Provincial Sanatorium at Kentville, N.S., is to be enlarged to provide accommodation for one hundred soldiers who have returned from the front.

THE steel works building in Fort William has been offered to the Military Hospitals Commission free of charge, and has already been inspected and pronounced suitable for work.

THE following Hospitals are now under the command of the O. C. Canadian troops, London: Ontario Hospital, Orpington; Taplow Hospital, Bushey; Park Convalescent Hospital, Bear Wood; Convalescent Hospital, Hillingdon House, Uxbridge; Special Hospital, Buxton.

Personals

DR. KENDALL, House Surgeon at the Ottawa Isolation Hospital, has resigned.

DR. G. A. SCOTT is the Medical Superintendent of the Municipal Hospital, which was opened at Bassano, Alta., in December.

DR. J. G. WRIGHT, formerly on the staff of Rockwood Hospital for the Insane, has been appointed to succeed Dr. Body as Medical Superintendent of Kingston General Hospital.

DR. J. N. E. BROWN, who up till a few years ago was Medical Superintendent of Toronto General Hospital, has resigned his position as Medical Superintendent of the Henry Ford Hospital, Detroit. The doctor is at present enjoying a much needed vacation at New Orleans, La., and other Southern points.

COL. PROWSE, Winnipeg, was appointed a few weeks ago Commandant of the new Patricia Convalescent Hospital at Ramsgate.

COL. CASGRAIN, Windsor, Ont., is Commanding Officer of the Canadian Hospital at Bushey Park. Their Royal Highnesses the Duke and Duchess of Connaught recently visited that institution.

LIEUT.-COL. T. B. RICHARDSON, formerly in command of the Toronto Military Base Hospital, has been taken on the strength of the district headquarters, and has been detailed for duty by Col. F. W. Marlow, Director of Medical Services, at Sudbury, where the new recruiting mobilization centre has been opened.

Book Reviews

The Highway of Death. By EARL BISHOP DOWNER, M.D., American Red Cross Surgeon to Serbia, 1915. Copiously illustrated with numerous half-tone engravings from original photographs. Philadelphia: F. A. Davis Company.

This little book of fourteen chapters, at \$1.50, is written by a young doctor of Columbus, Ohio, a graduate of Ann Arbor, Michigan. The story, without any literary pretensions, is a simple narration of Dr. Downer's experiences in the typhus epidemic in Serbia, and as a red-cross man at the front. He gives a graphic description of the capture of Belgrade by the Germans.

The Prevention of Disease; A Popular Treatise. BY KENERLEN WINSLOW, B.A.S., M.D., Attending Physician to the Seattle City Hospital, King County Hospital, Washington, etc. Philadelphia and London: W. B. Saunders Co.

This book is defined by the author as a practical guide for the layman that he may avoid the various diseases described therein.

Personal Hygiene.—The first three chapters of a book of some 300 pages are devoted to the proper methods of living in health, so as to avoid ill-health.

Chapter One discusses the effects upon the human body of tea, coffee, alcohol, tobacco, morphine, and cocain.

Chapter Two gives instruction in the care of the teeth and mouth, the hygiene of digestion, cooking of foods, water supply, etc.

The third chapter treats of exercise at different ages, baths, ventilation, baldness, dandruff, etc.

Germ Diseases.—The various germ diseases are taken up in a manner which will be readily understood by the laity. The history of vaccination is described and its great value pointed out.

The importance of infection of the nose, mouth and throat as a cause of serious general disease, is elaborated.

Prevention of Cancer.—Cancer is increasing among civilized nations. The chapter devoted to this subject gives simple and plain directions regarding the earliest signs of this affection, and the means of prevention, which, if followed, would do much to lessen the terrible mortality from this disease.

Prevention of Sexual Disease.—The two important sexual diseases, whose prevention is of vital importance to the human race, are plainly discussed. The danger of blindness in children from gonorrhoeal ophthalmia is pointed out and the means of prevention outlined. This is a most valuable chapter.

Rheumatism.—The close relation of acute and chronic rheumatism to tonsillar affections, forms the subject of another chapter.

Prevention of Diseases of Children and of Middle Age.—These chapters give valuable information in regard to these two periods of human life. In the former, the food of the infant, his protection against infection, and the general direction of his upbringing, are considered, while in the latter the importance of the prevention of arterio sclerosis, heart disease, and of Bright's disease, is aptly described.

Prevention of Mental and Nervous Diseases.—The fact that nervous and mental diseases should be included in the realm of public health is duly recognized by the author. This chapter has an introduction by Frederick Peterson, and emphasizes the effect of sexual life and of alcohol and syphilis in relation to preventive nervous disorders.

Diseases of Digestion.—Food poisoning and disorders of nutrition are considered in an instructive manner.

Certain deformities and their prevention, such as lateral curvature, humpback, bow-legs, and flat feet, afford valuable information to the reader.

The final chapter is devoted to the prevention of infection and bleeding in wounds.

There is a very good index, and the illustrations, paper, and general makeup of the volume are attractive.

Taken altogether, one can honestly recommend the book as one to be read by the layman, and even by the physician, with pleasure and profit.

Text Book of Anatomy and Physiology for Training Schools and other Educational Institutions. By ELIZABETH R. BUNDY, M.D., member of the Medical Staff of the Woman's Hospital of Philadelphia; Gynecologist, New Jersey Training School, Vineland; formerly Adjunct Professor of Anatomy and Demonstrator of Anatomy in the Woman's Medical College of Pennsylvania; formerly Superintendent of Connecticut Training School for Nurses, New Haven, etc. Fourth edition, revised and enlarged, with glossary and 243 illustrations, 46 of which are printed in colors. Philadelphia: P. Blakiston's Son & Co.

As one would expect from an authoress who has a medical training, has served as demonstrator and professor of anatomy, and also as superintendent of a training school for nurses, this is a very practical work, and well suited for educational institutions and nurses' training schools.

The glossary is very full and will prove useful, and among the 243 illustrations we recognize many old and valued friends.

American Red Cross Text Book on Home Dietetics. By ADA Z. FISH, Head of Art and Home Economics Department, William Penn High School, Philadelphia. With seven illustrations. Philadelphia: P. Blakiston's Son & Co., 1012 Walnut Street.

Food Values, The Necessary Daily Food for an Average Person, Its Preparation and Preservation, Strict Rules of Cleanliness to be Observed are a few of the subjects very concisely and simply discussed in this manual of one hundred and eleven pages. A few pages also with recipes for sick people. The book is clearly written, and so, easily remembered, and although intended for Red Cross workers, it should be valuable also to all interested in one of the greatest problems of to-day—"Our daily bread." We commend it to "Thrift Campaigners," and even as a valuable companion to the cook book in the average kitchen.

TOBACCO IN WAR TIME

THE beneficial effects of the use of tobacco have been clearly demonstrated in the present war to an even greater extent than they were in the South African Campaign. During that campaign many prominent physicians and surgeons stated their opinions in favor of the use of tobacco by the troops, and these opinions have been confirmed and emphasized by experiences during the present great struggle.

The man at the base forgets his grouch under the soothing influence of a cigarette. When he goes to do his turn in the trenches he whiles away the long, weary hours under the same comforting influence. The officer directing operations at the post of danger steadies his nerves by the same beneficial means.

A plentiful supply of cigarettes is now considered an essential part of the equipment of every hospital dealing with wounded soldiers. It is considered even more important that these comforts should be supplied to the wounded men than to those who are actually at the front, although the Commissariat Department takes care that these men, too, shall have lots of smokes.

This cumulative evidence as to the value of tobacco-smoking has caused a change of opinion in its favor by many people who were previously averse to its use. Chaplains who have gone to the front with the troops, and seen for themselves the wonderful way in which the use of tobacco has helped the soldiers to bear their hardships, are not only enthusiastic in supporting this use of the weed, but have become users themselves.

The supply of cigarettes is a very important part of the work of the Red Cross organization, and funds for this purpose have also been organized by newspapers in all parts of the Empire. The continued support of these funds by people of all classes is a significant feature.

**10 DAY
FREE TRIAL**

"NATIONAL" Sterilizers

High Pressure Sterilizing At Low Cost

Note the prices. The "National" has been approved by the U.S. Army and several are in use in Red Cross work in Europe.

The 10 DAY FREE TRIAL offer enables every hospital or doctor to test it out before paying.

Three sizes—equipped with gas or gasoline burner or steam coil, as desired. Large capacity; quick action; dressings come out perfectly dry.

Write for further information or ask for one on trial.

Northwestern Steel and Iron Works
797 SPRING STREET EAU CLAIRE, WIS., U.S.A.

\$50 to \$120





To make a good cup of cocoa

Begin Right

Choose "BAKER'S"

Prepare it carefully, following the directions on the package, and you will find that every member of the family will thoroughly enjoy this delicious and wholesome beverage. Its healthfulness is assured by its purity and high quality.

Made only by

WALTER BAKER & CO. Limited

Established 1780

MONTREAL, CAN.
DORCHESTER, MASS.

Registered Trade-Mark

When writing advertisers, please mention The Hospital World.

NEW HOSPITAL APPLIANCES, ETC.

Thermogene Curative Wadding

AT this season of the year how frequently the family physician will be consulted by the parents of children with susceptible chests. The days of the old-fashioned, sticky, clammy poultice are gone, with their discomforts. In place of them Thermogene is being rapidly adopted. It is a scientifically-prepared form of absorbent cotton, medically treated, possessing heat-generating properties, and will be found the delight of youngsters who "take cold" easy in the spring, when the weather is so changeable. Thermogene can be obtained through any druggist.

The Clark Temperature Booster

PHYSICIANS who find that their patients are unable to keep the temperature of their houses up to 70 degrees, especially in cases of sickness, should call up W. E. Clark, Limited, Toronto. This firm manufacture what they call the Clark Temperature Booster, an equipment which can be installed in a couple of hours on any hot-water heating system, whether new or old, the result being surprising. The Booster will materially increase heat without any additional fuel consumption, and can be attached without much cost.

The Ostermoor Mattress

HOSPITAL Superintendents who are anxious to instal high-class bedding in their Institutions should, before doing so, communicate with the Alaska Feather and Down 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.

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.

There may be a specific for Pneumonia, but we have never heard of it.

TO-DAY the safe and sane method of treating Pneumonia includes the application over the thorax of prolonged, moist heat in the form of

HYGROSCOPIC **ANTIPHLOGISTINE** ANTISEPTIC

Not a specific—but a most valuable adjunct in treating
PNEUMONIA

When the physician sees first the condition of the patient improve slightly—after an hour or two there is a marked abatement of the severity of the symptoms—and later the patient is, apparently, out of danger and eventually recovers, he *must* believe in the therapeutic value of Antiphlogistine in Pneumonia.



DENVER CHEMICAL MFG. CO.

MONTREAL

Wines and Malt Liquors for Physicians' Prescriptions

By referring to page ix of this issue of THE HOSPITAL WORLD, our readers will notice the announcement of Exporters, Limited, Montreal. This firm is prepared to supply, on physicians' orders, the best qualities of wines and malt liquors, shipping the same to any point by express and without a moment's delay. These liquors can be supplied in bulk, if desired, or in original packages. The firm deals only in the finest quality of goods, and medical men can depend upon it that anything ordered from them will be the best and nothing but the best. Their full address is, Exporters, Limited, 489 St. Paul Street West, Montreal.

The Adjusto Mattress

THE Adjusto Mattress, manufactured by the Ontario Spring Bed & Mattress Co., London, Ont., is a sure cure for "spreading" or "hanging over the sides," or "imperfect fit," annoying alike to doctors and nurses. The best soft mattress made will quickly spread with constant use; but, while the Adjusto is made of the finest, lightest and most elastic white cotton felt, it cannot spread, on account of the adjusting feature always available when required. The feature comprises unstretchable cotton cables running lengthwise and crosswise through the centre of the mattress, through grommets in the border, and fastened on the outside. The mattress can be drawn in, either in width or length, at least six inches, and held there, and it will be a better mattress in consequence. Parties interested should write the manufacturers to the above address. They will be pleased to furnish full particulars.

Dennisteel

HOSPITALS should remember, in case of wishing to procure anything in steel, to write to the Dennis Wire & Iron Works Co., Limited, London, Ont. For instance, this firm manufactures Hospital Wardrobe Lockers, Material Cabinets, Steel Shelving of the finest make and finish, and at prices that are exceedingly reasonable, consistent with the best workmanship. The Dennis Wire & Iron Works have equipped some of the best and biggest institutions in Canada and invariably receive repeat orders. They also make a Lawn Fence that materially enhances the appearance of institution grounds, the fence being heavily galvanized, rustproof, and made by the exclusive Dennisteel method. Let the Hospital Superintendent not forget that if he requires anything in the steel line, this firm can fill the bill, and fill it well.

Essentially Sanitary

As scientists, physicians should know of a recent advance along sanitary lines. This firm is now manufacturing a staple commercial article of the utmost interest to **Doctors, Hospitals and Nurses.** It is a sanitary Paper Container, suitable for food products of any kind. The paper is specially prepared and, after the container is completed, it is dipped in absolutely pure paraffine, thus rendering it air and water tight. Doctors know well how dangerous to health the old finished tin containers can be. All this is now a thing of the past, and we ask the Medical Profession to ascertain for themselves the scientific advantages of our product, and recommend it as occasion may present itself. Remember that these containers are **germ proof, air proof and will hold liquids indefinitely.** Once used, they will never be substituted.

Full particulars obtainable from

Hygienic Containers Limited

12-14 Sheppard Street

Phone Adelaide 1869

TORONTO



THIS INSIGNIA

Indicates the highest point of perfection procurable in Government Inspected Packing House Products.

GUNNS LIMITED

WEST TORONTO

SIMPLICITY OF PREPARATION

together with ease of assimilation and the assurance that the food prescribed in stubborn and difficult Infant Feeding cases is clean, wholesome and dependable, have earned for



Gail Borden
EAGLE
BRAND
CONDENSED
MILK
THE ORIGINAL

the confidence of the medical profession. Physicians everywhere do not hesitate to prescribe "Eagle Brand" in cases where a high nutritive strength and caloric value is desired.

Samples, Analysis, Feeding Charts in any language, and our 52-page book, "Baby's Welfare," will be mailed upon receipt of professional card.

BORDEN MILK COMPANY, Ltd. - Montreal

"LEADERS OF QUALITY" Est. 1857

Branch Office : 2 Arcade Bldg., Vancouver, B.C.

The Hospital Fly Pest

As Hospital Superintendents know, in spite of all the care used flies do get into the wards. If so, they should under no circumstances be allowed to leave the institution, owing to the danger of carrying contagion. It is true that there are a number of devices in use to destroy these pests, so annoying to patients, including traps of different kinds, poisons, swatters, etc.; but it should be borne in mind that not only the fly, but her eggs, should be destroyed, and this can be accomplished by the use of Tanglefoot, which kills the animal, at the same time coating it over with a varnish, and destroying its germs. Use Tanglefoot Fly Paper in the wards and the trouble ceases.

"Pon-Honor" Food Products

HOSPITAL purchasing agents should remember that in buying "Pon-Honor" Food Products they are getting the best and purest procurable. The name spells perfection. Why not act accordingly?

Lifebuoy Soap

As a sanitary precaution, physicians, whether in private practice or engaged in the larger sphere of hospital work, should, in these days of "Safety First," remember that to keep the surface of the body in an aseptic condition is a consideration of the utmost importance. This can be accomplished by the use of Lifebuoy Soap. This soap, containing carbolic acid, is cleansing and antiseptic, and the oils incorporated means that the patient's skin is left fresh, cool and sweet. Nothing could be more suitable for the bathing of the patient in convalescing from contagious disease, and is also, in the washing of sheets, towels, blankets, etc., the *sine qua non!*

A Most Effective Stimulant for Convalescent Patients

THE Medical Profession, who are sometimes at a loss to know just what to prescribe by way of a tonic for some patients recovering from illness, will be interested to learn that The Cosgrave Brewery Co., Toronto, have succeeded in placing upon the market Cosgrave's XXX Porter, which will doubtless prove to be the very thing needed in such cases. This product contains sufficient alcohol to stimulate and strengthen without the resultant headache and raised blood pressure caused by a porter containing greater alcoholic strength. Doctor, try it!

La Déesse Corsets

Excel in Style
Comfort
Satisfaction



Try them and be
convinced.

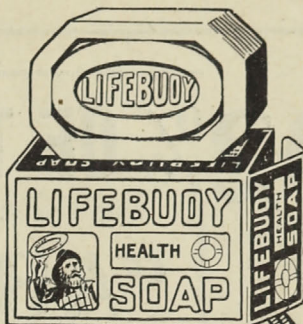
The Alexandra

University Avenue
TORONTO

Offers many advantages in its unequalled location, excellent cuisine, quietness and solid comfort. The accommodation offered ranges from one Bedroom with Bath to Suites of one and two Bedrooms with Bath and Parlor

For further information write the Manager

The Alexandra
University Avenue
TORONTO



For your comfort
and your health's
sake--always use

LIFEBUOY HEALTH SOAP

Its velvety lather is a wonderful cleanser, while it soothes and softens the skin. Its mild carbolic solution means no germs. The odor is there, of course, but it vanishes quickly after use. Lifebuoy is the soap of all soaps for the toilet and the bath, because of its health-preserving qualities.

Grocers Sell

LIFEBUOY
HEALTH SOAP

1b15



92% OF THE HOSPITALS

WHO FAVOR US WITH THEIR PATRONAGE, BUY

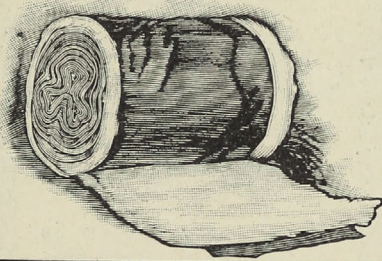
“ABSORBON”

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.



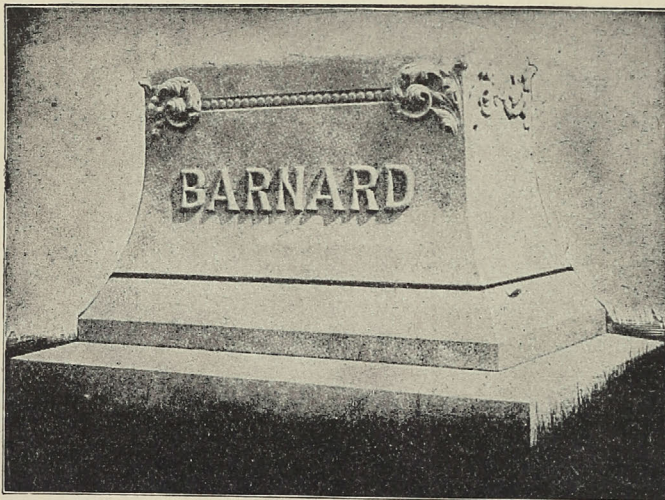
Maplewood Mills

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

The Thomson Monument Co., Limited

862 DUPONT STREET, TORONTO

PHONE HILL. 3039



*Individual
Designs
Cheerfully
Submitted*

When writing advertisers, please mention The Hospital World.

LIABILITY *of*

PHYSICIANS, SURGEONS, DENTISTS
and DRUGGISTS

LIABILITY on account of Automobile Accidents

involving injury to PERSONS or PROPERTY (including Owner's)

INSURANCE for LOSS OF INCOME
by reason of ACCIDENT and SICKNESS

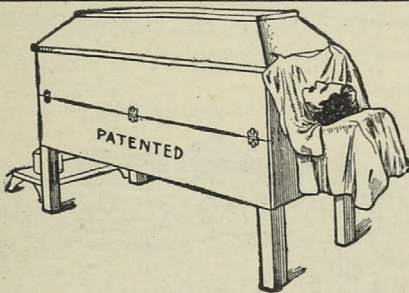
UNDERTAKEN BY

The General Accident Assurance Company of Canada

Continental Life Building, Toronto, Ontario

Represented in all important parts of Canada. Enquiries respectfully solicited

JOHN J. DURANCE, Manager



MEDICAL MEN

are invited to call for themselves and see the facilities we have for the treatment, under their direction, of obstinate cases of Rheumatism, Gout, Sciatica or any form of Neuritis, Uric Acid Diathesis, etc. Our Bath Establishment is conducted by expert attendants and has separate departments for ladies and gentlemen. We invite the co-operation of the Profession.

Mineral Steam Bath Parlors

65 Bloor St. West, TORONTO

Phone N. 2577 (Corner North Street)

Toronto's Finest Family Hotel

HOTEL WAVERLEY

TORONTO, CANADA

Situated at Spadina Ave. and College St. Three minutes' walk from the new Toronto General Hospital and in the centre of Toronto's eminent medical specialists.

An ideal hotel for patients coming to Toronto for consultation or for special treatment.

Rates for Rooms

Rooms with private baths, \$1.50 to \$2.50

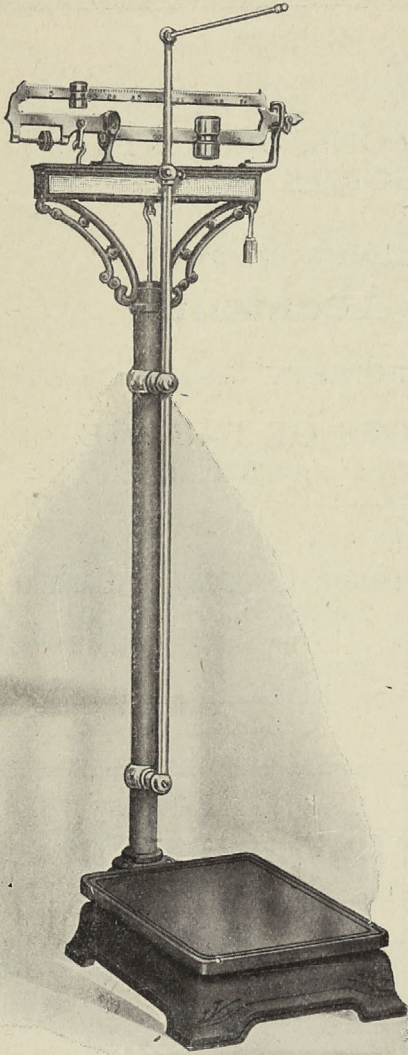
Rooms with running water, \$1 to \$2

Club breakfasts, luncheons and dinners at popular prices

Free Taxi Service

Our porters meet all trains, and we provide free taxi service from depot to hotel.

Write for illustrated booklet "W."



Physician's Scale.

Designed especially for use in Hospitals, in offices of physicians. Something that is essential in connection with every private bathroom.

Scale is ordinarily finished black, with bronze ornamentation, but is also furnished in light colors, elaborately ornamented, with nickel-plated beam. Scale is furnished with or without measuring rod, as desired. Write for prices.

GURNEY SCALE CO.

HAMILTON, ONT.

When writing advertisers, please mention The Hospital World.

A Strictly Sanitary Laundry

Two of our strong points are:

- 1st. We will not accept laundry from any place where there is contagious disease.
- 2nd. Our prompt delivery.

Ever go to dress and find that CLEAN LINEN you counted on hadn't come?

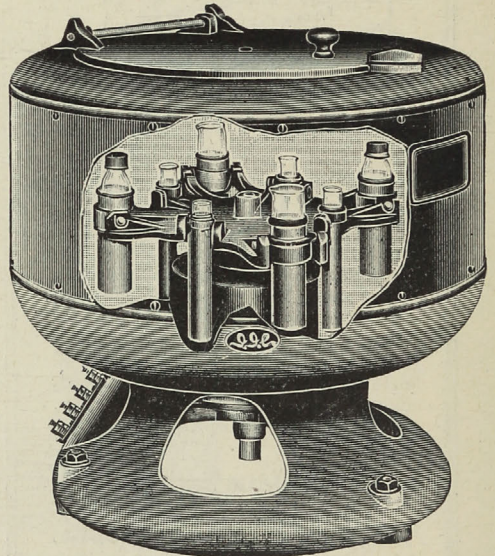
No trouble like that with the Yorkville Laundry. Prompt delivery is an absolute rule with us.

Yorkville Laundry

45 Elm St., Toronto Phone M. 1589

ELECTRIC CENTRIFUGES of the INTERNATIONAL INSTRUMENT COMPANY

Are used in the Laboratories of the Leading Hospitals of Canada and the United States
23 Church St. Cambridge, Mass
Send for Catalog Ca.



Kjeldahl
Stills

Bottle
Shakers

Minot
Rotary

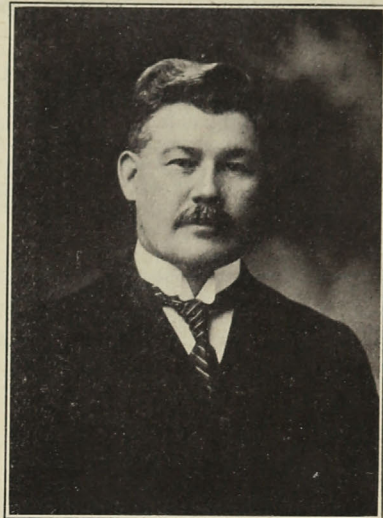
Microtomes
Paraffin

SEND your Christmas parcels for overseas early this year—there'll be a rush later.

To give a lot of pleasure, include

Adams' Tutti Frutti Gum

A box holds five different flavors, securely wrapped. This is good to remember and to suggest to your friends.



MR. A. W. MILES
Funeral director, to whose credit is due the introduction of the motor hearse and motor ambulance in Toronto

Dr. Scholl's Anterior Metatarsal Arch Support

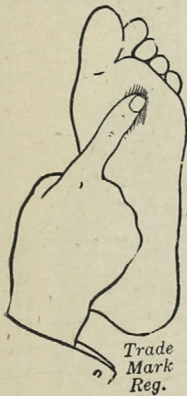
RELIEVES

Metatarsalgia

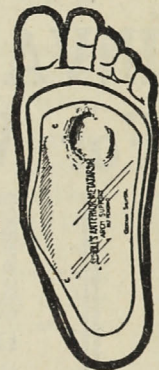
Painful Morton's Toe

Severe Cramping and Pains Through Ball of Foot

Callosities, Etc.



Trade Mark Reg.



This appliance is peculiarly shaped to fit the heads of the Metatarsals, having a wide bearing point and dome-like curvatures between the first and fifth Metatarsals. The plate is nearly full length from a point $\frac{3}{8}$ inch back of the Metatarso-Phalangeal Articulation, extending back to the heel. This Arch supports both the Anterior-Transverse and Longitudinal Arches, and should not be confused with Supports made solely for Longitudinal Arch trouble.

Descriptive Literature and Dr. Scholl's Book "Foot Weakness and Correction for the Physician" mailed promptly upon request.

The Scholl Mfg. Co., Ltd.

112 Adelaide St. East, Toronto

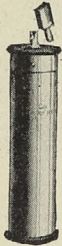
1-4 Giltspur Street, London, E.C.

When writing advertisers, please mention The Hospital World.

**Superior Electrically
Lighted Instruments**

Diagnostic instruments bearing the stamp "E.S.I. Co." are manufactured by the originators and exclusive manufacturers of the most valuable diagnostic instruments known to the profession. They are designed by eminent physicians and are warranted mechanically and electrically perfect.

**Holmes Naso-Pharyngoscope
Jackson Bronchoscopes and Laryngeal Specula
Tuttle and Lynch Procto-Sigmoidoscopes
Braasch Cystoscopes
Koch, Swinburne and Young Urethroscopes,
Etc.**



E. S. I. Co. instruments may be operated by 8-oz. pocket battery or socket current controller. The E. S. I. Co.

**General Diagnostic
Outfit**

includes the most generally useful instruments. This outfit weighs 4½ pounds and measures 3½ x 7 x 15 inches. It is compact and easily carried.

Illustrated and descriptive catalogue sent upon request.

Battery **Be sure of our exact name**
Electro Surgical Instrument Co.
ROCHESTER, N.Y.

**Physicians With
Autos—Attention!**

**HOSPITAL FOR
AUTO TOPS**

Your auto top is as essential in bad weather as your top coat.

If it is leaky or shabby, we repair it—**WATERPROOF** it and guarantee it not to leak, rot or mildew: you can put it down directly after a shower. If it is new we **PRESERVE** it indefinitely.

We replace broken celluloid, repair envelopes, side curtains, etc.

Old tops made good and serviceable.

**The T. Hopkins Auto Top
Renew Company**

200 Gerrard Street East
(Cor. Sherbourne)

Office
M. 4426

TORONTO

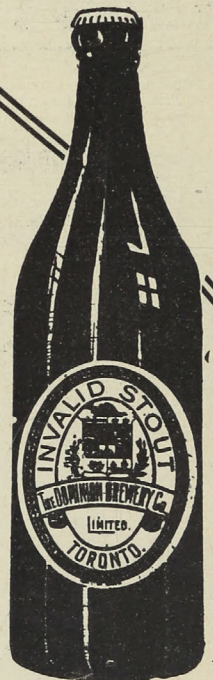
Res.
N. 3162

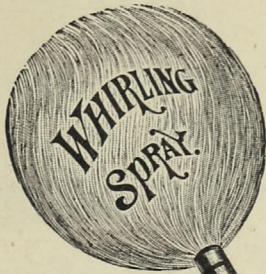
**INVALID STOUT
For Weak Folks**

STRENGTHENING and nourishing qualities, combined with a really acceptable flavor, make Dominion Brewery's Invalid Stout the ideal beverage for convalescents and bilious people. It is digestible and non-gassy.

Order at any of the dealers

Dominion Brewery Co.,
LIMITED . . . TORONTO





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 Approval by the Societe D'Hygiene de France, at Paris, Oct. 9, 1902.

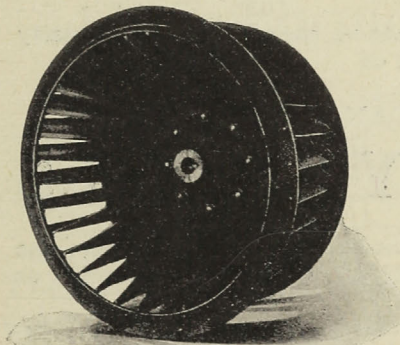
Prominent physicians and gynecologists everywhere recommend the MARVEL Syringe in cases of Leucorrhoea, Vaginitis and other Vaginal diseases. It always gives satisfaction.

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

MARVEL COMPANY

44 E. 23rd Street, NEW YORK

HOSPITAL EFFICIENCY



Heating and Ventilating cannot be made an entire success in the Hospital unless the efficient "Keith Fan" is used.

This Fan is made to meet the severest requirements of operation, producing a constant temperature and varied air volume according to your needs. It is built and constructed under the latest and most approved plan and in addition commends itself to the economical on account of its service and durability.

See our new Catalogue No. 55.

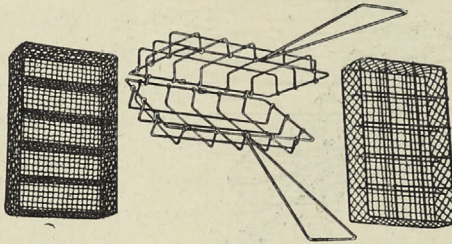
Sheldons Limited, Galt, Ont.

TORONTO OFFICE, 609 KENT BUILDING

AGENTS:

Messrs. Ross & Greig, 412 St. James St., Montreal, Que.
Messrs. Walkers Ltd., 261 Stanley St., Winnipeg, Man.
Messrs. Gorman, Clancey & Grindley Ltd., Calgary and Edmonton, Alta.
Messrs. Robt. Hamilton & Co., Ltd., Vancouver B.C., (Bank of Ottawa Bldg.)

SANITARY WASHING APPLIANCES
 Manufactured by
CANADA WIRE AND IRON GOODS CO., HAMILTON



Illustrating our **HOLDER AND BASKETS** for Sterilizing Glasses and Silverware
 This type of equipment is in use at the Guelph Agricultural College. *INQUIRIES SOLICITED*
 We Manufacture **METAL LOCKERS** and **HOSPITAL TABLES**

Hospital Superintendents

should be glad to know that there's no pseudo-patriotic penalty
 of long price involved in the use of

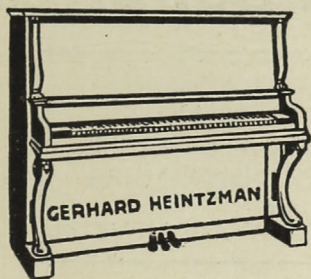
MADE-IN-CANADA

SEED X-RAY PLATES

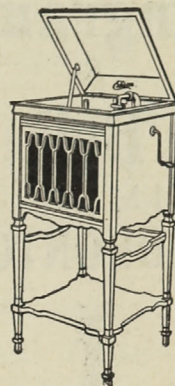
In quality they are the same as the plate that has won the
 lead in the United States, and are offered at the same price as
 in the United States.

Quality first, price next—you can have them both in home-
 made goods. It is economy to patronize home industry. De-
 scriptive Leaflet and Price List sent on request.

CANADIAN KODAK CO.
 LIMITED
 TORONTO, CANADA



Highest
Grade
Only



GERHARD HEINTZMAN

GRAND
SELF-PLAYER } PIANOS
UPRIGHT

Edison Diamond Disc
Phonographs

Columbia Grafonolas

There is nothing like music for the home—which all can enjoy. What better than music for the convalescent?

Write for our complete catalogue of Pianos and Phonographs. Easy terms of payment on any instrument.

Gerhard Heintzman Limited

(Opp. City Hall)

41 West Queen St., Toronto

**Ingram
&
Bell
LIMITED
TORONTO**



Our Sundry Catalog
awaits your request

Hospital Supplies

Sole Agents for
BRAMHALL DEANE
HIGH PRESSURE STERILIZERS
WAPPLER TRANSFORMERS
and
HIGH FREQUENCY APPARATUS

Our Specialties :

Manufacturers of
HYPODERMIC TABLETS
COMPRESSED TABLETS
ELIXIRS, OINTMENTS, Etc.
FULL LINE OF DRUGS

A postal requesting quotations will receive
immediate attention.

PYORRHOCIDE

POWDER

Medicated Dentifrice

for

Prevention and Treatment

of

PYORRHEA

(Riggs' Disease)

For the correction of

SOFT, BLEEDING, SPONGY
RECEDING GUMS

Write for booklet "Pyorrhoea (Riggs' Disease)"

THE DENTINOL & PYORRHOCIDE CO.
Incorporated

110-112 West 40th Street - - New York

MEDICAL COUNCIL OF CANADA

June Examinations, 1917

The Spring examinations of the Medical Council of Canada will be held at Toronto and Winnipeg coincidentally on June 19th, 1917.

Forms of certificate may be obtained from the Registrar at any time.

Registration for the June Examination will close promptly at the Registrar's Office in Ottawa, on May 22nd, 1917.

R.W. POWELL, M.D., Registrar
180 Cooper St., Ottawa

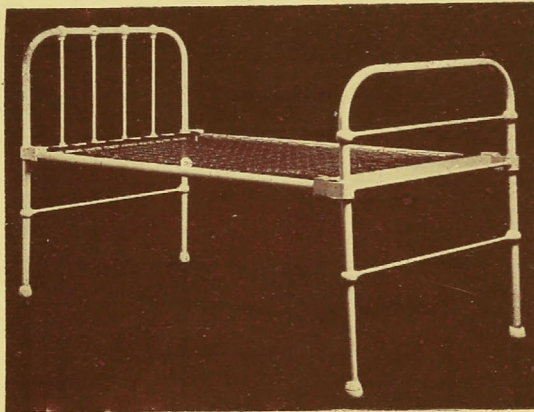


Were we asked to name
a synonym for

ADJUSTO

we would answer *Efficiency*, because it solves the entire problem of mattresses. There is nothing lacking—nothing superfluous. That is why *Adjusto* is worthy of its sobriquet—

**THE PERFECT MATTRESS
FOR INSTITUTIONS**



PRICES AND FULL INFORMATION ON REQUEST

**The Ontario Spring Bed & Mattress Co.
Limited**

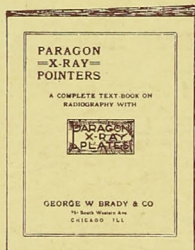
LONDON - ONTARIO

Makers of Hospital Beds, Iron and Brass Beds, Springs, Mattresses and Pillows

**NEW BOOK
FREE!**

A new edition of our famous "Paragon Pointers" will soon be ready. Up to the minute in every detail. The best and latest information on X-Ray technique. Every Roentgenologist should have one.

Send in your name for a copy, free, as soon as it is off the press.



Keeping Ahead!

Paragon Service and *Paragon Plates* have established a reputation as leaders.

Now come "*Universal*" X-Ray Plates, to meet the demand for less expensive, but fast, reliable plates, for serial radiography, State Compensation, and charity cases. Thus are we *keeping ahead*.

"Universal" Plates

These plates will be found fast, and eminently satisfactory in results. They work well with screen, or in envelopes. 20% cheaper than Paragon Plates. A trial will surprise you.

Full details on request.

Motol and Hydroquinone

We have made arrangements for a large supply of Motol and Hydroquinone for developer, and can supply your needs, in any quantity, at surprising prices.

This is another instance of *Paragon Service*.

Put your X-Ray Problems up to us. We have the *only* X-Ray information bureau—service free to our customers.



No X-Ray Plates are faster or better than the "Paragon." They are noted for sharp contrasts and rich, black background—making radiographs that can be quickly read, and interpreted with certainty.

Get the best results in your X-Ray work. Be sure in your work—use Paragon Plates and Paragon Milli-Amp-Second Technique, and not only standardize your exposures, but insure uniformly satisfactory results. This method saves your time—enables you to turn over all developing to your assistant—leaving you free to devote *all* your attention to your patients.

GEO. W. BRADY & CO., 773 S. Western Ave., Chicago

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.