

# ST. CATHARINES SAW WORKS!

## R. H. SMITH & CO.,

MANUFACTURERS OF EVERY DESCRIPTION OF

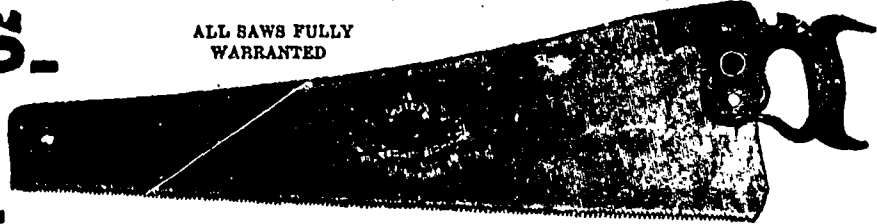
ST. CATHARINES, ONTARIO.

# SAWS.

ALL SAWS FULLY  
WARRANTEDSole Manufacturers for the Dominion of  
Canada of the

## "SIMONDS" SAWS.

All Our SAWS are now made under the "SIMONDS" PATENT PROCESS.



### KEEPING CIRCULAR SAW COOL.

In reply to "English Timber" our advice as to the best way to keep your saw cool is, keep it in good order, have a proper shaped tooth for the work to be performed, have the saw carefully packed, do not crowd the feed, and open out the cut immediately it passes the saw. We are aware that with some kinds of wood it is somewhat difficult to keep the plate cool. With many saw benches we have seen the saw guide is continued too far past the front of the saw, and thus crowds and heats the plate through not allowing sufficient room for the wood to open out as it is cut. If the fence extends, say, 4 in. beyond the roots of the teeth it should be enough. Heat is often communicated to a saw through the saw spindle from the bearings being out of order or screwed up too tight. The saw should not fit too tightly on the spindle or bind the steady pin. A saw when properly hung should in the horizontal line incline very slightly towards the timber, so that the teeth at the back of the saw may rise without tearing or scoring the wood. If the driving pulleys are of too small diameter, or the belts too narrow or run at too short centres, they will cause the bearings to heat, and this is often conveyed through the saw spindle to the saw. There is an American patent in force for keeping circular saws cool when running; it consists in making the saw spindle hollow, and taking a stream of water through it, which is allowed to escape at the collar on both sides of the saw while in motion, the centrifugal force distributing it equally over the saw plate, thus lubricating the saw, and keeping it and the bearings cool. In many cases a little water may be used with advantage.—*Timber Trades Journal.*



NORMAN'S

### Electric Belt Institution,

(ESTABLISHED 1874),

4 QUEEN STREET EAST, TORONTO.

Nervous Debility, Rheumatism, Lame Back, Neuralgia, Paralysis and all Liver and Chest Complaints immediately relieved and permanently cured by using these BELTS, BANDS, AND INSOLES. Circulars and Consultation FREE.

A FEW SIMPLE TESTIMONIALS THAT SPEAK FOR THEMSELVES.

OTTAWA, September 3rd, 1883.

A. NORMAN, Esq.—Dear Sir,—I have experienced considerable benefit from your ap. "ec." I feel stronger and better every day.

Yours truly,

R. E. HALIBURTON

PETERBOROUGH, October 15, 1893

A. NORMAN.—Dear Sir,—Soon after I commenced to use your Electric Appliances, they opened my bowels, cured my cough and cold, relieved my head and considerably relieved my catarrh in consequence. The discharge from my head and chest are now easy, and I feel altogether better. My digestion has improved, my stomach less sour and windy, and I am less troubled with lascivious and vivid dreams. I had previously tried almost all the advertised patent medicines without deriving any good.

Yours truly,

J. GREEN.

CURATIVE BATHS. Electric, Vapor, Sulphur and hot and cold Bath. Baths have been admitted in all ages by every school of medicine, to be one of the best means of curing ailments, maladies and diseases. The Electric Bath is the latest and best discovery in this line. Come and try them, at

4 Queen St. East Toronto.

L14-1y

A. NORMAN, Proprietor.

266th Edition. Price Only \$1  
BY MAIL POST-PAID.



### KNOW THYSELF.

A Great Medical Work on Manhood.

Exhausted Vitality, Nervous and Physical Debility, Premature Decline in Man, Errors of Youth, and the untold miseries resulting from indiscretion or excess. A book for every man, young, middle-aged and old. It contains 125 prescriptions for all acute and chronic diseases, each one of which is invaluable. So found by the Author, whose experience for 23 years is such as probably never before fell to the lot of any physician. 300 pages, bound in beautiful French muslin, embossed covers, full gilt, guaranteed to be a finer work in every sense—mechanical, literary and professional than any other work sold in this country for \$2.50, or the money will be refunded in every instance. Price only \$1.00 by mail, post-paid. Illustrations sample 6 cents. Send now. Gold medal awarded the author by the National Medical Association, to the officers of which he refers.

This book should be read by the young for instruction, and the afflicted for relief. It will benefit all.—*London Lancet.*

There is no member of society to whom this book will not be useful, whether youth, parent, guardian, instructor or clergyman.—*Argonaut.*

Address the Peabody Medical Institute, or Dr. W. H. Parker, No. 4 Bulfinch Street, Boston, Mass., who may be consulted on all diseases requiring skill and experience. Chronic and obstinate diseases that have baffled the skill of all other physicians are a specialty. Such treated success HEAL fully without an instance of fail THYSELF

HEAL fully without an instance of fail THYSELF

HEAL fully without an instance of fail THYSELF

HEAL fully without an instance of fail THYSELF

## McCOLL BROS. & Co.

### TORONTO

Manufacturers and Wholesale Dealers in  
Machine and Illuminating Oils.

## Our Celebrated "Lardine" Brand

Is Unexcelled by any other Machine Oil on the Market.

## MILL MEN WILL SAVE MONEY!

By using "LARDINE." Wears equal to Castor Oil  
and ONLY COSTS HALF THE PRICE.

## CYLINDER

And other Oils, all of splendid quality always  
in Stock. Prices, etc., on application to

18114

McCOLL BROS. &amp; Co., Toronto.

## McArthur, Corneille & Co.

310 to 316 St. Paul &amp; 147 to 151 Commissioners Sts.

## MONTREAL

MANUFACTURERS AND IMPORTERS OF

# LUBRICATING OILS

OF EVERY DESCRIPTION.

## Reliable Goods at Closest Prices.

CORRESPONDENCE INVITED.

PLEASE MENTION THIS PAPER.

12t11

## HOPE FOR THE DEAF.

Our Improved Artificial Ear Drums cure Deafness in all stages. Recommended by scientific men of Europe and America. Write for illustrative descriptive book and testimonials from doctors, judges, ministers, and prominent men and women who have been cured, and who take pleasure in recommending them. They are useless while in use, comfortable to wear, and make a permanent cure. Address, J. M. NICHOLSON, 7 Murray St., New York.

d64w8819

## \$5.00 FOR 35c

A Volume of Universal Reference.

THE E. M. &amp; CO. STANDARD CYCLOPEDIA.

This Cyclopaedia is a new and valuable book for popular use, compiled by competent editors, after consultation of the best authorities, printed from new, large, clear type, and handsomely bound in leatherette in imitation of crocodile skin. It contains information on every conceivable subject, and its reliability has been assured by the most careful preparation. It is of the greatest use in answering the 10,000 questions that constantly arise in regard to dates, places, persons, incidents, statistics, etc., etc.

Complete in one volume. Finely illustrated.

We want agents and canvassers, and in order that you may have a copy to exhibit and canvass with, we make this SPECIAL OFFER.

To any one who will agree to show this book to their friends and assist us in making sales, we will, upon receipt of 35 one-cent stamps, to prepay postage expense, packing, etc., forward one copy by return of mail.

CALL PUBLISHING CO., CHICAGO, ILL.