

PROFESSIONAL PAGE

CHARLES H. MITCHELL, C.E.

Member Canadian Society Civil Engineers.
Member American Society Civil Engineers.
Assoc. Mem. Institution Civil Engineers (Lon.)
Assoc. American Institute Electrical Engineers
Rooms 1004-5 Traders Bank Bldg.
Telephone Main 7396. **Toronto.**

BUCHANAN & BRAKE Drilling Contractors

Estimates given on all kinds of work
pertaining to the drilling and equip-
ing of Oil, Gas and Water Wells.

PETROLEA AND GORE BAY, ONT.

BUDDEN, HANBURY A.

F. M. Chart, I. P. A., Barrister, Solicitor,
and Patent Attorney

**PATENT OFFICE
MONTREAL**

Office, New York Cable Address, "BREVET"
Life Building

HILDER DAW

A.M.C.S.C.E., M.C.M.I., M.L.E.S., A.M.I.N.A., M.R.I.
Consulting, Civil, and Mining Engineer.

Constructions, Surveys, Sewage Disposal,
Drainage, Quantities, Supervisions, Certificates
Tel. E. 1332. Drafting Office. Tel. M. 2797.
Office Room B32 Board of Trade Buildings,
MONTREAL.

RIDOUT & MAYBEE

**Solicitors of Patents
Counsel, Solicitors and Experts in
PATENT SUITS**

Agencies in the leading countries of the world
JOHN G. RIDOUT, 103 Bay St., J. E. MAYBEE
Barrister, etc. **Toronto.** Mech. Eng.

PATENTS
DESIGNS, TRADE MARKS
SOLICITORS OF CANADIAN
AND FOREIGN PATENTS.
EXPERTS IN PATENT SUITS
CONSULTING ENGINEERS.
CONFEDERATION LIFE BUILDING
HORTON & COPE

OFFICIAL TRIALS OF THE FASTEST WARSHIP.

H.M.S. "Tartar," the new 33-knot British destroyer, which has already, in its preliminary trials, broken the world's record for speed by attaining 35.952 knots per hour on an Admiralty course, carried out its final speed trials on Monday, the 16th December, in the presence of various Admiralty officials. The vessel maintained the unprecedented speed of 35.363 knots throughout a continuous run of six hours' duration, thus covering a total distance of nearly 233 miles during this period. On six runs over the measured Admiralty knot during the

six hours run the mean speed proved to be 35.672 knots, and the best speed attained on any one run was 37.037 knots, thus creating still another record.

Built throughout by Messrs. John I. Thornycroft & Co., Ltd., at their works opposite Southampton docks, the "Tartar" is one of the first five high speed ocean going destroyers now being completed for the Admiralty. So far, her speed is very considerably in excess of that of any of the sister vessels by other builders, the fastest of which has attained only 34¼ knots.

The turbines of the "Tartar" are of Parson's type, and these, as well as the Thornycroft boilers using oil fuel, were constructed by Messrs.



Torpedoing an oil well at Petrolea, Ont

Drilling Contractors

WATER, SALT, OIL and GAS WELLS

to any depth from 100 to 3000 feet. Contracts taken in any part of Canada. Excellent references. Estimates. Geological reports. Expert Drillers and Complete Drilling Rigs Furnished.

Established 1865

JAMES PEAT & SONS
Petrolea - - - Ontario

YOUR PROFESSIONAL CARD

Should be in the Canadian Engineer—
It would place you among men of high
professional standing.

SEND FOR RATES.

WE LET, BUY, AND SELL FACTORY PLANTS.

WE have a superior organization, one that Factory owners wishing to sell or rent their property can profit by. It has taken years of experience, study, and concentration of effort to develop this business to its present stage of perfection. We are in a position to quickly dispose of Factory Plants, Warehouses, Dwellings, or any form of Real Estate proposition on Rental or Sale.

If you have Property to Sell communicate with us; we will take your agency and dispose of it to your satisfaction and quickly.

If you want to buy any kind of Real Estate we have alluring propositions of every description.

If you have Properties to Rent we will handle them for you. We have numerous applicants for Rental and prospective Purchasers of Factory Sites, Houses, etc. **Communicate with us.**

The Henry Smith Promotion Co., 66, Bank of Ottawa Building Montreal.