Professional.

R. C. J. RODGERS. DENTIST Suite 5, Oddfellows' Building, Corner Yonge and College Sts. TORONTO. Telephone 3904.

HAS. LENNOX & SON,

DENTISTS. CONFEDERATION LIFE BUILDING, COR. YONGE & RICHMOND, TORONTO.

Telephone, 1846.

M^{R.} J. D. A. TRIPP,

CONCERT PIANIST and TEACHER, Only Canadian pupil of the great composer and anist, Moskowski. Concert engagements and pianist, MOSKOWSKI. pupils accepted.

TORONTO CONSERVATORY OF MUSIC AND 20 SEATON ST.

M^{R. W. E. FAIRCLOUGH, F.C.O., ENG. ORGANIST AND CHOIRMASTER ALL SAINTS'} CHURCH, TORONTO.

Teacher of Organ, Piano and Theory Exceptional facilities for Organ students. Pupils prepared for musical examinations. Harmony and counterpoint taught by correspondence.

⁶ GLEN ROAD OR TORONTO COLLEGE OF MUSIC.

M^{R.} W. O. FORSYTH,

Teacher of piano playing and composition. Pupil of Prof. Martin Krause, Prof. Julius Epstein, and Dr. 8. Jadassohn. Modern Principles-Hand Cultivation (technic) and musical intelligence developed simultan-eously. Pupils are expected to study diligently and with seriousness. Studio for private lessons, room 2, Nordheimer Build-ing, 15 King St. E.

W. KUCHENMEISTER, VIOLIN SOLOIST AND TEACHER,

Late a pupil of the Raff Conservatory at Frankfort-on-Main, and of Professors H. E. Kayser, Hugo Heer-Philharmonic Orchestra at Hamburg, (Dr. Hans von Bulow, conductor.)

Studio, 15 King St. W., Messrs. A. & S. Nordheimer. Residence, Corner Gerrard and Victoria Sts. Telephone 980.

M^{RS. &} MISS DRECHSLER-ADAMSON, VIOLINISTS.

Will receive a limited number of pupile at their residence, 67 BLOOR ST. EAST.

LEWIS BROWNE,

• (Organist and Choirmaster Bond St. Cong. Church) **CONCERT ORGANIST**

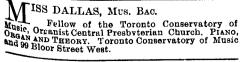
Pupils received in Organ, Piano, Harmony and Instrumentation. 130 MUTUAL STREET.

Reception hours 3 to 5 p.m. daily.

M. H. KLINGENFELD, CONCERT VIOLINIST AND TEACHER. Open for Concert engagements and a limited num-ber of pupils. 505 Sherbourne Street.

or Toronto College of Music.

R. V. P. HUNT scher, etc., of Leipzig, Germany. Pianoforte teacher tor Oshawa Ladies' College, Organist Zion Congrega-tional Church. Teaches Plane, Organ, Harmony. Address Toronto Conservatory of Musie Or Residence, 104 Maitland Street.





Minard's Liniment for Rheumatism.

SCIENTIFIC AND SANITARY.

Consul-General Edwards reports "that peanut flour or grits cannot be regarded as healthy or nourishing as a regular diet, and has been discontinued in the German armv.

During the epidemic of cholera ut Hamburg, Dr. N. Simmonds examined flies captured in the post-mortem room at the time the bodies were open. In these flies numerous comma bacilli could be demonstrated.

The French Government is said to contemplate an extensive use of electrically lighted buoys to mark harbour channels, in preference to lighthouses, as the former expedient is cheaper and quite as effective.

Although the Great Eastern Railway of England has burned coal oil in some of its locomotives, the fuel which it sometimes uses in a mixture of gas tar, creosote oils and combustible solids, like coal-dust, wood, peat, cinders or sawdust.

Aluminum has recently been used, with satisfactory results, as a substitute for lithographic stone. The metal has this additional merit, moreover: A plate of it can be bent up to fit the cylinder of a press, when such adaptation is desired.

The thinnest : heet of iron ever rolled has recently been turned out at the Hallam Tin-Works, near Swansea, Wales. It has a surface of 55 square inches and weighs but 20 grains. It would take 1,800 such sheets to make a layer an inch thick.

Among the varieties of work now done largely by pneumatic power are calking and stone-cutting. For thip and boiler work a very ingenious tool is used, having a vibratory back-and forth motion of 15,000 strokes to the minute. The length of stroke is only about an eighth of an inch.

Extreme cases of habitual drunkenness, according to the Manchester correspondent of the London Lancet, seem to be more common in women than in men. An old woman was brought before the city magistrates of Manchester recently, charged with drunkenness for the 191st time.

Even Russia is making progress in electric lighting, the Government of that country having recently placed a new lightship off the Port of Libau, about six miles from the shore. The vessel is provided with a powerful electric light, which can be seen better than the lighthcuse light.

Technical journals from time to time discuss gravely various projects for making crude petroleum into bricks, to be burned like coal. One of the latest of these is ridiculed by an English journal, which points out that it calls for about one-third of its weight of caustic soda-an expensive chemical. The inventor suggests that the addition of 20 per cent. of clay or sand would make the bricks both cheaper and more solid, to which the journal in question rejoins with a sarcastic suggestion that ordinary coal be cheapened by a similar add.tion.

Carl Winslow, in a Copenhagen publication, advances the theory that the so-called "canals" on Mars are scratches made by bodies coming into collision with that planet When meteoric masses closely approach the earth, their friction with the atmosphere generates heat enough to burn most of them up; and the largest masses that ever survive this ordeal and come down to cur level, rarely weigh over 100 pounds. Out just

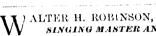
Educational.

BISHOP		Full English Course Languages, Music		
STRACHAN		Languages, Music Drawing, Painting etc. For Prospectus etc., apply to		
SCHOOL		MISS GRIER,		
FOR		LADY PRINCIPAL,		
YOUNG LADIES		WYKEHAM HALL, TORONTO		
Trinity	Term	Begins	April	22nd.

MRS. MARIE M. KLINGENFELD, **WL** Teacher of Vocal Culture, Graduate of the Peabody Institute in Baltimore, will receive a limited number of pupils. Toronto College of Music, or 505 Sherbourne Street.

W. J. MCNALLY, Late of Leirzic Conservatory of Music. Organist and Choirmuster, Beverley Street Baptist Church, Teacher of Piano.

Toronto College of Music or 32 Sussex Avenue.



SINGING MASTER AND CONDUCTOR GIVES INTRUCTION IN VOICE PRODUCTI

Open to accept engagements as Tenor Soloist at Concerts.

Concerts directed. Studio-Care R. S. WILLIAMS & SON, 143 Yonge St.

UPPER CANADA COLLEGE (FOUNDED 1829.)

A fully equipped residential Boys' School. Besides the Classical and Science Courses, for which the Col-lege has long been famous, a thorough Business sim-liar to the one adopted by the London (England) Chamber of Commerce is now taught-eight exhibi-tions entiling the winners to free tuition are annual-ly open for Competition. Winter Term begins Jan-uary 8th. For Prospectus apply to The PRINCIPAL U.C. COLLECT

The PRINCIPAL, U. C. COLLEGE, DEER PARK, TORONTO

beyond Mars, though, lie the orbits of several hundred celestial bodies, called asteroids; and Herr Winslow, fancies that these, and not meteors, have done the work in question. Some astronomers have thought that possibly the moons of Mars are captured asteroids.

German and other continental locomotives are modelled after both English and American designs, with the result that a mixture of the features of both is found in them, the practice of later years, how-ever, following more closely the lines of English builders. But the inside cylinders and crank axles of the English engine have not found favor in Germany, where sharper curves are permitted than in England, and where, therefore, numerous crank-axle failures have led to the adoption of outside cylinders. In engines of Belgian make, inside cylinders largely prevail, but crankaxle fractures occur in large numbers with these, notwithstanding the fact that their design provides for an extra bearing of these axles.

I CURED A HORSE of the mange with MINARD'S LINIMENT.

CHRISTOPHER SAUNDERS. Dalhousie. I CURED A HORSE, badly torn by a pitch

fork, with MINARD'S LINIMENT. EDWARD LINLIEF.

St. Peters, C.B.

I CURED A HORSE of a bad swelling with MINARD'S LINIMENT.

THOS. W. PAYNE. Bathurst, N. B.