

THIS PAPER IS ON FILE WITH



Where Advertising Contracts can be made.

WHAT PAYS?

IT PAYS every MANUFACTURER, MERCHANT, MECHANIC, INVENTOR, FARMER, or PROFESSIONAL MAN, to keep informed on all the improvements and discoveries of the age.

IT PAYS THE HEAD OF EVERY FAMILY to introduce into his household a newspaper, that is instructive, one that fosters a taste of investigation, and promotes thought and encourages discussion among the members.

The Scientific American

which has been published weekly for the last thirty-one years, does this to an extent beyond that of any other publication: in fact it is the only weekly paper published in the United States devoted to MANUFACTURES, MECHANICS, INVENTIONS and NEW DISCOVERIES in the Arts and Sciences.

Every number is profusely illustrated and its contents embrace the latest and most interesting information pertaining to the Industrial, Mechanical, and Scientific Progress of the World; Descriptions, with Beautiful Engravings of New Inventions, New Implements, New Processes, and Improved Industries of all kinds; Useful Notes, Recipes, suggestions and advice by practical writers, for workmen and employees in all the various arts, forming a complete repository of New Inventions and Discoveries, containing a weekly record, not only of the progress of the Industrial Arts in our own country, but also of all New Discoveries and Inventions in every branch of Engineering, Mechanics, and Science abroad.

THE SCIENTIFIC AMERICAN has been the foremost of all industrial publications for the past thirty-one years. It is the oldest, largest, cheapest, and the best weekly illustrated paper devoted to Engineering, Mechanics, Chemistry, New Inventions, Science and Industrial Progress published in the world.

The practical Recipes are worth ten times the subscription price, and for the shop and house will save many times the cost of subscription.

Merchants, Farmers, Mechanics, Engineers, Inventors, Manufacturers, Chemists, Lovers of Science, and People of all Professions, will find the SCIENTIFIC AMERICAN useful to them. It should have a place in every Family, Library, Study, Office and Counting Room; in every Reading Room, College and School. A new volume commences January 1st, 1877.

A year's numbers contain 832 pages and several HUNDRED ENGRAVINGS. Thousands of volumes are preserved for binding and reference. Terms, \$3.20 a year by mail, including postage. Discount to Clubs. Special Circulars, giving Club rates, sent free. Single copies mailed on receipt of 10 cents. May be had of all News Dealers.

Patents. In connection with the SCIENTIFIC AMERICAN, Messrs. MUNN & Co. are solicitors of American and Foreign Patents, and have the largest establishment in the world; more than fifty thousand applications have been made for patents through their agency.

Patents are obtained on the best terms. Models of New Inventions and Sketches examined, and advice free. A special notice is made in the SCIENTIFIC AMERICAN of all Inventions Patented through this Agency, with the name and residence of the Patentee. Patents are often sold in part or whole, to persons interested in the invention by such notice. A pamphlet, containing full directions for obtaining Patents sent free. The Scientific American Reference Book, a volume bound in cloth and gilt, containing the Patent Laws, Census of the United States, and 142 Engravings of mechanical movements. Price 25 cts.

Address for the paper or concerning patents MUNN AND CO., 37 Park Row, New York, Branch Office, cor. F and 7th Sts., Washington D. C.

The Scientific American and "Grip" one year for \$4.50



CUSTOMS DEPARTMENT.

Ottawa, November 7, 1876.

AUTHORIZED DISCOUNT ON American invoices until further notice, 7 per cent.

J. JOHNSON, Commissioner of Customs.

v-6-1f

R. WILKINSON,
Successor to A. S. Irving, corner TORONTO and ADELAIDE STS., TORONTO. P. O. Box 189.

Bookseller, Newsdealer,

AND STATIONER.

Can supply any Book, Newspaper or Magazine published.

POSTAGE AND BILL STAMP EMPORIUM.

"GRIP"

JOB PRINTING

OFFICE,

20 ADELAIDE ST. EAST,

A few doors west of Post Office,

- VISITING CARDS,
- NOTE-HEADS,
- INVOICES,
- STATEMENTS.
- BILL HEADS,
- BUSINESS CARDS,
- CIRCULARS,
- CHEQUES,
- PAMPHLETS,
- CATALOGUES,
- PRICE-LISTS,
- ENVELOPES.

Handbills, Posters, &c.,

Printed on the shortest notice, and at

MODERATE RATES.

PRICE LISTS FURNISHED

ON APPLICATION.

Orders by mail (accompanied with the cash) promptly attended to.

GEO. BENGOUGH,

Manager.

CARD OF THANKS.

To the Electors of the Ward of St. George:

GENTLEMEN,—I beg to thank you for the very handsome majority with which you have elected me as your representative for the present year, and sincerely trust to be able to discharge the duties devolving upon me with satisfaction to you and credit to myself.

Again thanking you gentlemen, and wishing you a Happy New Year, with many returns.

I am, your obedient servant,

PATRICK HUGHES.

OFFICE TO LET.

On Ground floor, best stand in city, near Post Office
Rent \$15 per Month.

GEORGE BENGOUGH.

"GRIP" Office.

\$12 a day at home. Agents wanted. Outfit and terms free. TRUL & CO., AUGUSTA, MAINE.

PIANOS.

Until further notice we are offering the

Celebrated Mathushek, Fischer and LaBelie Pianos,

—AT—

LESS THAN WHOLESALE PRICES.

SQUARE GRAND,

\$700 OFFERING AT \$275

SQUARE PIANO,

Seven-octaves, Rosewood case, Serpentine Mouldings and Carved Legs.

\$350 OFFERING AT \$190

PRINCE ORGANS

AT ABOUT HALF-PRICE.

All instruments warranted for Five Years. Send for Price List.

NORRIS & SOBEL,

8 ADELAIDE-ST. EAST, TORONTO.

\$5 to \$20 per day at home. Saw, less worth \$1 free. STINSON & Co., Portland, Maine.

Marlborough House,

UNION RAILWAY STATION,

Cor. Front and Simcoe Sts., Toronto.

The above commodious and centrally located house combines all Modern Appointments, Steam Heating, etc.

Affords Excellent Accommodation at Moderate Rates. Having reduced its figures from \$2 to \$1.50 per day.

M. A. PROFFER, Proprietor.
F. H. DEISS, and A. M. CURRIGAN, Managers.

N.B.—Omnibus Free.

SEND 25c. to G. P. ROWELL & CO., New York for Pamphlet of 100 pages, containing lists of 3000 newspapers, and estimates showing cost of advertising.