Summer Arrangements for Travel.

TRAINS leave Charlottetown for the West at 6. m., 8.45 a. m., and 3.30 p. m., (standard time) daily.

Trains leave Charlottetown for Georgetown and Souris at 6.30 a. m. and 3.15 p. m. (standard time) daily.

Trains leave Tignish for the East at 6 a. m. and 1.10 p. m. (standard time) daily.

Trains leave Georgetown for the West at 7 a. m. and 2.40 p. m. (standard time) daily.

Trains leave Souris for the West at 6.15 a. m. and 1.20 p. m. (standard time) daily.

One of the P. E. Island Steam Navigation Company's steamers plies daily between Summerside and Point du Chene, leaving Summerside at or about 9 o'clock (local time).

One of the Steam Navigation Company's steamers plies daily between Charlottetown and Pictou—leaving Charlottetown at 7 a. m., local time—*except on Tuesday of each week.*

The steamer Heather Belle plies between Charlottetown and Belfast on Tuesday, Wednesday and Thursday of each week; on each Friday between Charlottetown and Cranberry Wharf, going on alternate Fridays to Mount Stewart; and on each Saturday between Crapaud and Charlottetown. For times of leaving and rates of fare, see advertisement in another column.

The steamer Eldon plies between Charlottetown and Pinette, Vernon River Bridge and Murray Harbor on Tuesdays, Wednesdays, Thursdays and Fridays of each week.

The steamer Southport leaves Charlottetown for Shaw's Wharf, calling at Rocky Point and Westville, on the afternoons of Mondays, Tuesdays and Fridays, at 4 p. m., (local time); and leaves Shaw's Wharf for Charlottetown on the mornings of Tuesday and Friday at 7 a. m. (local time), calling at Westville and Rocky Point. The same steamer leaves Charlottetown for Rocky Point on Tuesdays and Fridays, at 9.30 a. m. and 2 p. m. (local time), and on Wednesdays and Saturdays at 8.30 a. m., and 9.30 a. m., and at 2 and 4 p. m. (local time). On Sunday the steamer leaves Charlottetown for Rocky Point at 9 a. m., and 1 p. m.; returning will leave Rocky Point for Charlottetown at 9.30 a. m., and 1.30 p. m.

The Rocky Point sail boat plies as follows: Monday and Thursday,—Leave Rocky Point for Charlottetown at 8 and 10 a. m., and at 12.30, 3 and 5 p. m.; Leave Charlottetown for Rocky Point at 9 and 11 a., m. and at 2, 4, and 6 p. m. Tuesday, Wednesday, Friday, and Saturday,—Leave Rocky Point at 8 a. m., and at 12.30 and 5 p. m.; Leave Charlottetown for Rocky Point at 11 a. m. and 6 p. m. Sunday,—Leave Rocky Point for Charlottetown, at 3.30 p. m.; Leave Charlottetown for Rocky Point at 4.30 p. m.

The Bedeque Mail Coach leaves Charlottetown every Tuesday, Thursday and Saturday, at 6 o'clock, a. m., (local time), calling at North River, Cornwall, New Haven, Bonshaw, DeSable, Hampton, Victoria, Crapaud, Tryon, Augustine Cove, Cape Traverse, Carleton, Searleton, and Centreville. Returning leaves Centreville on Mondays, Wednesdays, and Fridays at 6 o'clock, a. m., calling at above places, and arriving in this city at 3 p. m. Headquarters at J. McRae's, Kent St.

L. ARTHUR & CO.,

COMMISSION MERCHANTS,

RECEIVERS OF

Mackerel, Butter, Cheese EGGS Poultry, Potatoes, Fruit & Vegetables.

142, 144 Commercial Street, BOSTON, MASS.

MEATS.

WE have always on hand at our Meat Market, KENT STREET, a full stock of FRESH and SALT MEATS, in

Beef, Mutton, Lamb, Veal, Pork, Hams and Bacon, Barreled Beef and Corned Tongues,

all of the best quality, which we are selling at moderate prices.

All orders promptly attended to. Hours from 6 a. m. to 9 p. m. Telephone connection.

SAUNDERS & NEWSOM.

may23—4i law

AGENTS. No book will sell at present like our Home, Farm and Business Cyclopedia. It is a large work, containing 900 pages, profusely illustrated, and also contains portraits of the leading statesmen of the Dominion. The Home Department discusses fully everything relative to Housekeeping in all its phases. The Farm Department discovers, in a peculiarly interesting style, just the information every *successful farmer* must possess. The Business Department, besides giving full information on Commercial Law and every form of Legal Documents, contains Goodwin's System of Practical Book-keeping. Each Department of the work has the advantage of being written by Canadian Specialists. We want an Agent in every Town and County. For terms and full particulars address W. 3. EARLE, St. John, N. B.

J. S. ROBERTSON & BROS., Publishers.

April 7, 1888—2aw & wky

FOR SALE.

Bellevue Farm.

THE undersigned now offers for Sale his Farm of 50 acres, in good heart. This Farm is beautifully situated, commanding a view of the Bay, adjoining the property of Chas. Haszard, Esq., and is conveniently situated to mussel mud beds.

For information, apply on the premises to N. Davies, or B. S. Davies & Co., Cameron Block, Charlottetown.

N. DAVIES.

may 9—2aw, wy 1m

PUBLIC NOTICE.

E. KINSMAN, General Agent for the Province of Prince Edward Island for the sale of the well-known line of Goods handled heretofore by him, has taken the Premises of WILLIAM DODD, ESQ., who has retired from business.

In addition to line of COMMISSION and AGENCY BUSINESS heretofore done by me, I am prepared to conduct

AUCTION SALES

of Real Estate, Bank Stock, Lumber, Household Furniture, Horses, Carriages, Fruit, General Merchandize, &c., at Sales Room or elsewhere to suit customers.

Also, to sale of consignments of Flour, Tea, Sugar, Molasses, Apples and other goods, for which purpose the Premises are specially suited, being central and having large Sales Room and first-class Warehouse and Cellar accommodations.

Having secured the services of Robert Bearisto, late of the firm of William Bearisto & Son, Summerside, who, after an experience of over twenty years in the Commission and Auctioneering Business, will manage that branch, and trust that by careful attention and prompt returns will receive a share of public patronage.

Just Received:—50 BUGGIES, for sale low.

E. KINSMAN.

Ch'town, May 11, 1888.

ADMINISTRATOR

NO. 357,

RECORD, 2.29 1-2.

Standard by Breeding Performance and Progeny.

SIRE of Catchfly, 2.18¼; McMahon, 2.21; Executor, 2.24½; Adjutant (breeder's record), 2.27¾; Marcus, 2.29½. Arbiter, 2.30; Memento, 2.56¼, at a year old, 2.32 at 2 years old.

Also the Sire of the Dams of Wildmont, 2.28¼ Lady Emma, 2.29½; Cosher, 2.30.

—WILL BE AT—

NEWTON LARGE'S STABLE,

—IN THE—

Afternoon of Every Monday

After arrival of Train, and remain till the

AFTERNOON OF WEDNESDAY,

Throughout the Season.

J. A. GOURLIE.

Summerside, May 7, 1888—2aw mon th tl july 1

FOR SALE.

THREE ACRES OF LAND in the Village of Souris East, fronting 33 chains on the Main Street, and bounded on the north by land of Stephen A. McDonald, on the east by lands of Marshal Paquet and William Cantwell, and on the west by Souris River, at present in the possession of Michael McCormack, Esq.

For particulars apply in Charlottetown at the office of

McLEOD, MORSON & McQUARRIE, Solicitors.

mch13—dy & wy 1aw (tues) tf

Pure, Reliable.

NO { AMMONIA, ALUM, LIME,

But Purest and Best Materials used in the manufacture of

Woodill's German Baking Powder.

April 11, 1888.

NOTICE.

ALL AMOUNTS due the estate of HARRIS & STEWART must be paid at once to the undersigned, at the office of the London House, or they will be sued for.

F. W. MOORE, Assignee.

Ch town, March 29, 1888.

Paine's Celery Compound

CURES Nervous Prostration, Nervous Headache, Neuralgia, Nervous Weakness, Stomach and Liver Diseases, Rheumatism, Dyspepsia, and all affections of the Kidneys.

WEAK NERVES

PAINE'S CELERY COMPOUND is a Nerve Tonic which never fails. Containing Celery and Coca, those wonderful stimulants, it speedily cures all nervous disorders.

RHEUMATISM

PAINE'S CELERY COMPOUND purifies the blood. It drives out the lactic acid, which causes Rheumatism, and restores the blood-making organs to a healthy condition. The true remedy for Rheumatism.

KIDNEY COMPLAINTS

PAINE'S CELERY COMPOUND quickly restores the liver and kidneys to perfect health. This curative power combined with its nerve tonics, makes it the best remedy for all kidney complaints.

DYSPEPSIA

PAINE'S CELERY COMPOUND strengthens the stomach, and quiets the nerves of the digestive organs. This is why it cures even the worst cases of Dyspepsia.

CONSTIPATION

PAINE'S CELERY COMPOUND is not a Cathartic. It is a laxative, giving easy and natural action to the bowels. Regularity surely follows its use.

Recommended by professional and business men. Send for book.

Price $1.00. Sold by Druggists.

WELLS, RICHARDSON & CO., Prop's

Montreal, P Q.

Encourage Home Manufacture

—BY USING—

BEARDSLEY'S CELEBRATED

OIL PASTE BLACKING,

The Best Leather Preservative known.

THE Subscriber wishes to inform the public generally that he is the manufacturer of the above named Blacking, and guarantees it a Superior Article for Harnesses, Boots and Shoes, and Leather generally. It is peculiarly adapted for keeping all articles of Leather to which it is applied SOFT and PLIABLE. It is certain to give satisfaction, and cannot possibly injure the Leather, as it is manufactured from the best articles to be obtained in the market. A thorough application to Boots and Shoes will render them perfectly Waterproof, and Lumbermen and Farmers will never have wet feet if they will use BEARDSLEY'S OIL PASTE BLACKING.

Parties wishing a Box can have it sent by mail on receipt of 25 cents. Special rates for Wholesale orders.

Why this Blacking is the Best:—1st, it is thoroughly Waterproof; 2nd, it will perfectly preserve the Leather; 3rd, it keeps the Leather soft and pliable; 4th, because all who have used it testify that it is just as recommended.

Address your orders to the Subscriber.

W. W. BEARDSLEY,

Manufacturer and Dealer in Boots, Shoes and Harness, BERWICK, N. S.

ap25

MEN.

OUR Specific No. 23 permanently restores EXHAUSTED VITALITY, LOST MANHOOD and GENERAL DEBILITY when other treatment fails. Send 6 cents in stamps for our TREATISE and DIRECTIONS for home cure, TORONTO MEDICINE CO., 343 Spadina Ave., Toronto, Ont. may29 d w

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DRUNKENNESS

Or the Liquor Habit, Positively Cured by Administering Dr. Haines' Golden Specific.

It can be given in a cup of coffee or tea without the knowledge of the person taking it; is absolutely harmless, and will effect a permanent and speedy cure, whether the patient is a moderate drinker or an alcoholic wreck. It has been given in thousands of cases, and in every instance a perfect cure has followed. *It never fails.* The system once impregnated with the Specific, it becomes an utter impossibility for the liquor appetite to exist. For circular and full particulars address GOLDEN SPECIFIC CO., 185 Race St., Cincinnati, O.

CARRIAGES, &c.

I HAVE NOW IN STOCK a nice lot of New and Second-Hand Single and Double-Seat Carriages, Top Buggies in all the leading styles, Road and Track Sulkeys, Buggy Tops to suit any Carriage, Rubber Aprons, &c., which I will sell cheap for cash or good paper.

REPAIRING, PAINTING and TRIMMING of Carriages promptly attended to, and satisfaction guaranteed.

Factory and Showrooms, UPPER PRINCE STREET, opposite New Baptist Church.

J. J. SEAMAN

ap11—dy 2aw wky 3m

NOTICE.

THE subscriber, by reason of the loss which he has sustained through the late fire, is under the necessity of calling upon all those indebted to him by note of hand, book account or otherwise to make immediate payment to him at his residence, Essery's building, Kent Street.

JOHN McPHAIL.

may18—2m 2aw

Baggage Express.

IF you want Baggage moved to and from Railway Station or Steamboats, or Household Furniture moved to any part of the city, give me a call, or leave your orders at R. K. Brace,s Store, Grafton Street, North Side of Maket House.

Baggage, etc., carefully handled. Charges easonable.

GEORGE WELDON.

may18—dy 1w then eod 1m

For Sale at a Bargain.

A very desirable House and Premises, situate near the head of Queen Street. The House is almost new, and contains five good-sized Rooms, besides a large Kitchen attached. Good title guaranteed. Terms easy. Apply to the subscriber, or at the office of James H. Reddin, Solicitor, Cameron Block.

GEORGE H. COOK.

ap16—dy eod tf

Pierce's Pleasant Purgative Pellets — The Original LITTLE LIVER PILLS.

BEWARE OF IMITATIONS. ALWAYS ASK FOR DR. PIERCE'S PELLETS, OR LITTLE SUGAR-COATED PILLS.

Being entirely vegetable, they operate without disturbance to the system, diet, or occupation. Put up in glass vials, hermetically sealed. Always fresh and reliable. As a **laxative, alterative,** or **purgative,** these little Pellets give the most perfect satisfaction.

SICK HEADACHE,

Bilious Headache, Dizziness, Constipation, Indigestion, Bilious Attacks, and all derangements of the stomach and bowels, are promptly relieved and permanently cured by the use of **Dr. Pierce's Pleasant Purgative Pellets.** In explanation of the remedial power of these Pellets over so great a variety of diseases, it may truthfully be said that their action upon the system is universal, not a gland or tissue escaping their sanative influence. Sold by druggists, 25 cents a vial. Manufactured at the Chemical Laboratory of WORLD'S DISPENSARY MEDICAL ASSOCIATION, Buffalo, N. Y.

$500 REWARD

is offered by the manufacturers of **Dr. Sage's Catarrh Remedy,** for a case of Chronic Nasal Catarrh which they cannot cure.

SYMPTOMS OF CATARRH.—Dull, heavy headache, obstruction of the nasal passages, discharges falling from the head into the throat, sometimes profuse, watery, and acrid, at others, thick, tenacious, mucous, purulent, bloody and putrid; the eyes are weak, watery, and inflamed; there is ringing in the ears, deafness, hacking or coughing to clear the throat, expectoration of offensive matter, together with scabs from ulcers; the voice is changed and has a nasal twang; the breath is offensive; smell and taste are impaired; there is a sensation of dizziness, with mental depression, a hacking cough and general debility. Only a few of the above-named symptoms are likely to be present in any one case. Thousands of cases annually, without manifesting half of the above symptoms, result in consumption, and end in the grave. No disease is so common, more deceptive and dangerous, or less understood by physicians.

By its mild, soothing, and healing properties, Dr. Sage's Catarrh Remedy cures the worst cases of **Catarrh, "cold in the head," Coryza,** and **Catarrhal Headache.**

Sold by druggists everywhere; 50 cents.

"Untold Agony from Catarrh."

PROF. W. HAUSNER, the famous mesmerist, of *Ithaca, N. Y.*, writes: "Some ten years ago I suffered untold agony from chronic nasal catarrh. My family physician gave me up as incurable, and said I must die. My case was such a bad one, that every day, towards sunset, my voice would become so hoarse I could barely speak above a whisper. In the morning my coughing and clearing of my throat would almost strangle me. By the use of Dr. Sage's Catarrh Remedy, in three months, I was a well man, and the cure has been permanent."

"Constantly Hawking and Spitting."

THOMAS J. RUSHING, Esq., *2902 Pine Street, St. Louis, Mo.*, writes: "I was a great sufferer from catarrh for three years. At times I could hardly breathe, and was constantly hawking and spitting, and for the last eight months could not breathe through the nostrils. I thought nothing could be done for me. Luckily, I was advised to try Dr. Sage's Catarrh Remedy, and I am now a well man. I believe it to be the only sure remedy for catarrh now manufactured, and one has only to give it a fair trial to experience astounding results and a permanent cure."

Three Bottles Cure Catarrh.

ELI ROBBINS, *Runyan P. O., Columbia Co., Pa.*, says: "My daughter had catarrh when she was five years old, very badly. I saw Dr. Sage's Catarrh Remedy advertised, and procured a bottle for her, and soon saw that it helped her; a third bottle effected a permanent cure. She is now eighteen years old and sound and hearty."

PARSONS' PILLS

These pills were a wonderful discovery. No others like them in the world. Will positively cure or relieve all manner of disease. The information around each box is worth ten times the cost of a box of pills. Find out about them, and you will always be thankful. One pill a dose. Parsons' Pills contain nothing harmful, are easy to take, and cause no inconvenience. One box will do more to purify the blood and cure chronic ill health than $5 worth of any other remedy yet discovered. If people could be made to realize the marvelous power of these pills, they would walk 100 miles to get a box if they could not be had without. Sent by mail for 25 cents in stamps. Illustrated pamphlet free, postpaid. Send for it; the information is very valuable. I. S. JOHNSON & CO., 22 Custom House Street, BOSTON, MASS.

Make New Rich Blood!

CHARLOTTETOWN SASH AND DOOR FACTORY.

Contractors and Builders Read This:

WE have now on hand and will Sell at the Lowest Cash Prices the following, viz.:

300 Panel Doors and Frames.
500 Pairs Sashes and Frames.
100,000 Feet Mouldings and Finish.
5,000 do Spouting and Conductor.
1,000 do Stair Rail
5,000 Stair Balusters.
100 Newel Posts.

We are also prepared to do all kinds of Jobbing in Planing, Jointing, Morticing, Tenoning, Jig and Fret Sawing, Turning, &c.

All kinds of Gothic Windows made at shortest notice.

Our machinery is new and first-class, and we manufacture from the best of Quebec Stock.

GIVE US A CALL.

ROBERT PALMER & CO.,

Oct. 1—wky PEAKE'S NO. 3 WHARF.

CASTORIA

for Infants and Children.

"Castoria is so well adapted to children that I recommend it as superior to any prescription known to me." H. A. ARCHER, M. D., 111 So. Oxford St., Brooklyn, N. Y.

Castoria cures Colic, Constipation, Sour Stomach, Diarrhœa, Eructation, Kills Worms, gives sleep, and promotes digestion, Without injurious medication.

THE CENTAUR COMPANY, 77 Murray Street, N. Y.

Charlottetown Boot & Shoe Factory.

WITH Improved Premises, Experienced Workmen, New Lasts, Better Leather, we now turn out NEATER, BETTER FITTING AND WEARING BOOTS than ever. Every Pair Warranted.

FOREIGN MAKE.—We import from Canada and the United States the latest styles in **Ladies' and Gents' Boots, Shoes, Slippers and Rubbers.** Buying in large quantities, for cash, it enables us to sell cheap. You do not require a heavy purse when dealing with us.

SHOEMAKERS, ATTENTION!

CUSTOM SOLE LEATHER by the Side, 24 cents per lb. Kip, Grain, French Calf, Kid and Goat. Awls, Welts, Shoe Thread, Heel Ink, Dressing, Pegs, Pincers, Hammers, Wax, Bristles, Nails, Eyelets, English Tops, &c. As we have to keep these articles for our own use, and buying them in large quantities, we can afford to sell cheaper than any in the trade.

GOFF BROS.,

Successors to Dorsey, Goff & Co.

February 28, 1888—eod & wky

PRINCE EDWARD ISLAND RAILWAY.

1888. Summer Arrangement. 1888

ON AND AFTER FRIDAY, JUNE 1st, 1888, Trains will run as follows:—

TRAINS FOR THE WEST.

STATIONS.	Express	Accom.	Accom.
	A. M.	A. M.	P. M.
Charlottetown.....dp	6 00	8 45	3 30
Royalty Junction.....	6 14	9 17	3 49
North Wiltshire.....	6 48	10 02	4 35
Hunter River.....	6 58	10 15	4 50
Bradalbane.....	7 23	10 48	5 26
Emerald Junction.....	7 30	10 56	5 40
Freetown.....	7 40	11 10	5 55
Kensington.....	7 53	11 29	6 17
		P. M.	
Summerside.....{ar	8 15	12 00	6 50
Summerside.....{dp	8 30	1 05	
Miscouche.....	8 45	1 26	
Wellington.....	9 05	1 54	
Port Hill.....	9 35	2 35	
O'Leary.....	10 30	4 00	
Bloomfield.....	10 47	4 25	
Alberton.....	11 14	5 15	
Tignish.....ar	11 55	6 05	
			P. M.
Emerald Junc.....dp			5 45
Cape Traverse.....ar			6 35

TRAINS FROM THE WEST.

STATIONS.	Express	Accom.	Accom
		P. M.	A. M.
Tignish.....dp		1 10	6 00
Alberton.....		1 50	7 05
Bloomfield.....		2 15	7 44
O'Leary.....		2 32	8 10
Port Hill.....		3 23	9 35
Wellington.....		3 52	10 18
Miscouche.....		4 11	10 44
Summerside.....{ar		4 25	11 05
Summerside.....{dp		4 55	P. M 12 00
			A. M.
Kensington.....		5 17	12 31 6 48
Freetown.....		5 30	12 50 7 10
Emerald Junction.....		5 40	1 04 7 30
Bradalbane.....		5 47	1 12 7 39
Hunter River.....		6 12	1 43 8 14
North Wiltshire.....		6 22	1 57 8 30
Royalty Junction.....		6 56	2 41 9 17
Charlottetown.....ar		7 10	3 00 9 35
			A. M.
Cape Traverse.....dp			6 25
Emerald Junc.....ar.			7 15

TRAINS FOR THE EAST.

STATIONS.	Express	Accom.
	P. M.	A. M.
Charlottetown.....dp	3 15	6 30
Royalty Junction.....	3 30	6 50
Bedford.....	3 58	7 28
Mt. Stewart Junc.{ar	4 25	8 05
Mt. Stewart Junc.{dp	4 30	8 20
Morell.....	4 58	9 04
St. Peters.....	5 20	9 35
Bear River.....	5 55	10 27
Souris.....ar	6 25	11 15
	P. M.	A. M.
Mt. Stewart Junc..dp	4 35	8 25
Cardigan.....	5 28	9 38
Georgetown.....ar	5 45	10 00

TRAINS FROM THE EAST.

STATIONS.	Express	Accom.
	A. M.	P. M.
Georgetown.....dp	7 00	2 40
Cardigan.....	7 17	3 03
Mt. Stewart Junc ..ar	8 10	4 15
	A. M.	P. M.
Souris.....dp	6 15	1 20
Bear River.....	6 45	2 10
St. Peters.....	7 20	3 02
Morell.....	7 42	3 35
Mt. Stewart Junc.{ar	8 10	4 20
Mt. Stewart Junc.{dp	8 15	4 40
Bedford.....	8 40	5 17
Royalty Junction.....	9 05	5 55
Charlottetown.....ar	9 20	6 15

Trains are run by Eastern Standard Time.

J. UNSWORTH, Superintendent.

Railway Office, Charlottetown, May 26th, 1888—all prs 6i

DR. HODDER'S BURDOCK AND SARSAPARILLA COMPOUND

CURES Liver Complaint, Dyspepsia, Biliousness, Sick Headache, Kidney Troubles, Rheumatism, Skin Diseases, and all Impurities of the Blood from whatever cause arising.

THE GREAT SPRING MEDICINE.

Price, 75c. (with Pills $1.)

TRY

DR. HODDER'S LITTLE LIVER PILLS,

(very small and easy to take.)

NO GRIPING. NO NAUSEA.

Sold everywhere; price 25 cents.

UNION MEDICINE CO, PROPRIETORS, TORONTO, CANADA.

May 11, 1888—eod & wky

SMITH BROS.,

WHOLESALE

Dry Goods and Millinery.

Received into Stock This Week:

Ex S. S. Circassian, 54 Cases.
" Sarnia, 27 Cases.
" Ulunda, 48 Cases.
41 Cases Staple Department.
81 Cases Millinery Department.

3,000 Pieces Prints,

Drillets, Lamas, &c.,

LATEST DESIGNS AND COLORINGS!

Cretonnes, Regattas, Reversible Cambrics, Muslins, Turkey Reds and Damasks, Table Damasks and Napkins, Quilts, Flannels, Scotch Tweeds, Gloves, Hosiery, Hats, Flowers, Feathers and Millinery Novelties.

Granville and Duke Streets, Halifax.

mch19

Farmers Buying Fertilizers!

SEE that you buy only those brands known to be reliable.

TRY NO EXPERIMENTS, but use the well-known brands,

"Ceres" Superphosphate and Bone,

MANUFACTURED AT THE

Chemical Fertilizer Works

HALIFAX, N. S.

JACK & BELL, Proprietors

mch2—4m wky

THE SCIENTIFIC AMERICAN

The Most Popular Scientific Paper in the World.

ESTABLISHED 1845.

Weekly $3 a Year. $1.50 Six Months.

THIS unrivalled periodical, which has been published by Munn & Co. for more than forty years, continues to maintain its high reputation for excellence, and enjoys the largest circulation ever attained by any scientific publication. Every number contains sixteen large pages, beautifully printed, elegantly illustrated, and presents in popular style a descriptive record of the most novel, interesting and important advances in Science, Arts and Manufactures. It shows the progress of the world in respect to new discoveries and improvements, embracing Machinery, Mechanical Works, Engineering in all branches, Chemistry, Metallurgy, Electricity, Light, Heat, Architecture, Domestic Economy, Agriculture, Natural History, etc.

THE SCIENTIFIC AMERICAN should have a place in every Dwelling, Shop, Office, School or Library. Workmen, Foremen, Engineers, Superintendents, Directors, Presidents, Officials, Merchants, Farmers, Teachers, Lawyers, Physicians, Clergymen—people in every walk and profession in life, will derive satisfaction and benefit from a regular reading of THE SCIENTIFIC AMERICAN.

TRY IT.—It will bring you valuable ideas subscribe for your sons—it will make them manly and self-reliant; subscribe for your workmen—it will please and assist their labor; subscribe for your friends—it will be likely to give them a practical lift in life. Terms, $3.00 a year; $1.50 six months. Remit by Postal Order or Check.

MUNN & CO., Publishers, 361 Broadway, N. Y.

PATENTS.

Any person who has made an invention, and desires to know whether it is probably new and patentable, can obtain advice concerning the same *free of charge,* by writing to MUNN & Co., publishers of THE SCIENTIFIC AMERICAN, 361 Broadway, New York. For the past forty-three years, Messrs. Munn & Co. have carried on as a branch of their business the obtaining of patents. Many of the most reliable inventions have been patented through their Agency. The specification and drawings for more than one hundred thousand applications for patents have been made through this office. Patents obtained in Canada and all other countries. Hand-book about patents sent free. Address,—

MUNN & CO., 361 Broadway, N. Y.

e b21

PURE GOLD GOODS ARE THE BEST MADE.

ASK FOR THEM IN CANS, BOTTLES OR PACKAGES

THE LEADING LINES ARE BAKING POWDER, FLAVORING EXTRACTS, SHOE BLACKING, STOVE POLISH, COFFEE, SPICES, BORAX, CURRY POWDER, CELERY SALT, MUSTARD, POWDERED HERBS &c.

2 GOLD MEDALS 1 SILVER MEDAL 8 BRONZE MEDALS 1886

ALL GOODS GUARANTEED GENUINE

PURE GOLD MANF'G CO. 21 FRONT ST. EAST TORONTO.

THIS PAPER may be found on file at GEO. P. ROWELL & Co's Newspaper Advertising Bureau (10 Spruce Street), where advertising contracts may be made for it in **NEW YORK.**