Advocate,

WEEDS TOURSELLE

W. & J. ANSLOW,

Our Country, with its United Interests.

EDITORS & PROPRIETORS

Vol. XII.-No. 46.

Newcastle, N. B., Wednesday, September 10, 1879.

G. A. BLAIR.

CHATHAM, N. B.

Cassimeres, Beavers. Meltons, &c.

Velvet and other Fancy Vestings.

Centlemens' APPAREL,

ALWAYS ON HAND.

Stone Building, adjoining Dr. Pallen's

Water Street, Chatham.

CUSTOM TAILORING.

Gentlemen wanting clothes made to order

SPRING AND SUMMER

will do well to examine his splendid assort-

under the general supervision of a First Class

Cloth Purchased elsewhere will be

W. S. MORRIS.

made up on the premises.

FREDERICTON

Chatham, April 30, 1877.

satisfactory and workmanlike many

FINE STOCK OF CLOTHS

Remember the Stand.

June 25th, 1873.

Made up promptly, and in the best and Fashionable Styles.

WHOLE No. 618.

WAVERLY HOTEL. WEWCASTLE,..... MIRAMICHI, N. B.

THIS House has lately been refurnished, and very possible arrangement made to ensure the comfort of travellers. LIVERY STABLES, WITH GOOD

OUTFIT, ON THE PREMISES. ALEX. STEWART,

Late of Waverly House, St. John.) Newcastle, Dec. 2, 1873.

UNITED STATES HOTEL, NEWCASTLE, - - - MIRAMICHI, NEW BRUNSWICK.

THIS HOTEL is very pleasantly situated, has recently been fitted up in FIRST CLASS STYLE, is in close proximity to the I. C. Railway Station, and the wants of travellers will be attended to promptly. Meals prepared at any hour. Oysters served up in evry style

at short notice. JOHN FAY, PROPRIETOR. Newcastle, Oct. 8, 1877.

CANADA HOUSE,

CHATHAM,..... NEW BRUNSWICK WM. JOHNSTON, - - Proprietor. CONSIDERABLE outlay has been made on this house to make it a first class Hotel, and traellers will find it a desirable temporary re sidence both as regards location and comfort. It is situated within two minutes walk of oat landing. The proprietor returns thanks to the public for the encouragement given him in the past, and will endeavor by courtesy and attention to merit the same in

the future. Good Stabling on the Premises May 13th, 1873. 14 1v

ROYAL HOTEL, KING SQUARE.

HAVE much pleasure in informing my numerous friends and the public generally, that I have leased the Hotel formerly known as the "CONTINENTAL," and thoroughly renovated the same, making it, as the "ROYAL" always had the reputation of being, one of the best Hotels in the Pro-Excellent Bill of Fare, First-class Wines quors and Cigars, and superior accommo

lackhall's Livery Stable attached. THOS. F. RAYMOND.

St. John, July 9, 1877. VICTORIA HOTEL, RIVER DU LOUP.

JOSEPH A. FOUNTAIN, PROPRIETO THIS HOUSE is situated in the immediate vicinity of the Railway Station, and is well calculated to meet the requirements o travellers, as neither pains or expense have ber spared to secure the comfort of guests. Situated on an elevation, it affords a splendid view of the St. Lawrence and disagent country. October 24, 1877. 31-1yr

MIRAMICHI MARBLE WORKS.

WATER ST., - CHATHAM. WILLIAM LAWLER.

Importer of MARBLE & Manufacturer of MONUMENTS, TABLES, HEADSTONES, MANTELS,

TABLE TOPS, &c A GOOD STOCK ALWAYS ON HAND. GRANITE MONUMENTS made to refer; CAPS and SILLS for windows suplied at short notice. FREESTONE WORK in Il its branches attended to. and satisfaction January 24 1876.

S. N. KNOWLES,

Trunks, Valises, Satchels, &c. 66 KING STREET, (South Side.) SAINT JOHN, N. B.

CANVAS COVERS MADE TO ORDER. SAMPLE TRUNKS A SPECIALTY. May 5, 1879.

WANTED. SHOP and OFFICE BOY-one willing

DR. FREEMAN. Newcastle, Sept. '77.

RUBBER BELTING.

EXTRA Stretched and Paten Smooth Surface Rubber Belting. In Stock-various widths in 3, 4, 5 and 6 Plies. LEATHER BELTING. 's" Celebrated Paten Stretched d Oak Tanned Leather Belting, (do and single).

SAWS! SAWS!! "Disston's" Mill, Circular, Rotary, Cross Cut, Hand and Jig Saws.

MACHINE OILS. Lard, Olive. Seal, West Virginia and Cylinder Oils. MILL SUPPLIES. Lacing Leather, Files, Emerywheels, Belt Punches, Rivets, Saw Swages, Lacing Leather, Files, Emerywheels, Belt Punches, Rivets, Saw Swages, Lacing Leather, Files, Emerywheels, Belt Punches, Rivets, Saw Swages, Lacing Leather, Files, Emerywheels, Belt Punches, Rivets, Saw Swages, Lacing Leather, Files, Emerywheels, Belt Punches, Rivets, Saw Swages, Lacing Leather, Files, Emerywheels, Belt Punches, Rivets, Saw Swages, Lacing Leather, Files, Emerywheels, Belt Punches, Rivets, Saw Swages, Lacing Leather, Files, Emerywheels, Belt Punches, Rivets, Saw Swages, Lacing Leather, Files, Emerywheels, Belt Punches, Rivets, Saw Swages, Lacing Leather, Files, Emerywheels, Belt Punches, Rivets, Saw Swages, Lacing Leather, Files, Emerywheels, Belt Punches, Rivets, Saw Swages, Lacing Leather, Files, Emerywheels, Belt Punches, Rivets, Saw Swages, Lacing Leather, Files, Emerywheels, Belt Punches, Rivets, Saw Swages, Lacing Leather, Files, Emerywheels, Belt Punches, Rivets, Saw Swages, Lacing Leather, Files, Emerywheels, Belt Punches, Rivets, Saw Swages, Lacing Leather, Files, Emerywheels, Belt Punches, Rivets, Saw Swages, Lacing Leather, Files, Emerywheels, Belt Punches, Rivets, Saw Swages, Lacing Leather, Files, Emerywheels, Belt Punches, Rivets, Rivets,

ESTEY, ALLWOOD & CO., (Successors to Z. G. Gabel),

Prince Wm. St., St. John. may21

A WEEK in your own town, and no capital risked. You can give the business a trial without expense. The best opportunity ever offered for those willing to work. You should try nothing else until you set to yourse. work. You should try nothing else until you see for yourself what you can do at the business we offer. No room to explain here. You can devote all your time or only your spare time to the business, and make great pay for every hour that you work. Women make as much as men. Send for special private terms and particulars, which we mail free. \$5 Outfit free, Don't complain of hard times while you have such a chance. Address
H. HALLETT & CO., Portland, Maine. uly30-lyr.

Teas, Sugar and Rice.

By Steam via Halifax, from London and Liverpool:—

150 Half CHESTS FINE CONGO Hads. No. 1,
6 " 2,
50 Bags RICE. Daily expected. BERTON BROTHERS. IN STORE-10 bbls. Dried CUREANTS; 25 do, Dried APPLES. aug20.

Law and Collection Offices

ADAMS & LAWLOR, Barristers and Attorneys at Law, Solicitors in Bankruptcy Conveyancers, Notaries Public, &c., Real Estate, & Fire Insurance Agents. CLAIMS Collected in all parts of the

OFFICES: NEWCASTLE AND BATHURST. M. ADAMS. R. A. LAWLOR. July 18th, 1878.

SAMUEL THOMSON, Barrister and Attorney-at-Law, Solicitor in Bankruptcy,

NOTARYPUBLIC&C. LOANS Negotiated, Claims Promptly Collected, and Professional Business in all its

OFFICE-PUBLIC BUILDINGS, NEWCASTLE, MIRAMICHI, N. B. July 17, 1878.

WILLIAM A. PARK, Barrister & Attorney at Law,

SOLICITOR, NOTARY PUBLIC, &c.

OFFICE-Over the Store of William Park, Esq. Castle Street. May 1, 1877. 2

L. J. TWEEDIE, ATTORNEY & BARRISTER NOTARY PUBLIC,

CONVEYANCER. &c. CHATHAM.

OFFICE-Snowball's Building May 12, 1874.

JOHN McALISTER,

ATTORNEY-ALLAW, NOTARY PUBLIC,

Conveyancer, &c.,

CAMPBELLTON, N. B.

A. H. JOHNSON, BARRISTER AT LAW, SOLICITOR, NOTARY PUBLIC.

&C., &C., CHATHAM, N. B.

WILLET & QUICLEY, Barristers, Attorneys, NOTARIES PUBLIC, &C., s St., Ritchie's Building, (up stairs.) ST. JOHN, N. B.

John Willet.
Rich'd F. Quigley, LL. B., B. C. L.,
Commissioner for Massachusette

CARD.

DR. H. A. FISH Has commenced Practice in NEWCASTLE,

and can be consulted at his Office, Mrs. Fowler's Building-two doors

above Masonic Hall.

OFFICE HOURS-10 to 12, 2 " 5, 7 " 10. June 16, 1879.

HERBERT T. DAWSON, M. D., PHYSICIAN & SURGEON.

NEWCASTLE, N. B. OFFICE-In Mr. John Dalton's House; RESIDENCE.

At Mr. Wm. Gremley's, opposite Office. Newcastle, March 26, 1877. 28

DR. McDONALD, PHYSICIAN and SURGEON.

OFFICE: At MRS. HALEY'S, next door to the Post Office, Newcastle.

RESIDENCE: At MR. THOMAS MALTBY'S.

Newcastle, March 26, 1879. april16-lyr Leather & Shoe Findings. THE Subscriber returns thanks to his nu THE Subscriber returns thanks to his numerous customers for past favors, and would say to all that he keeps constantly on hand a full supply of the best quality of goods to be had and at lowest rates for eash. Also, S. R. Foster & Son's Nails and Tacks of all sizes, and Clarke & Son's Boot Trees, Lasts, &c. English Tops as well as home made Tops to order, of the best material. Wholesale and Retail.

J. J. CHRISTIE,

No. 65 King St., St. John, N. B.

April 29, 1879.

April 29, 1879. JAMES G. MCNALLY, Wholesale and Retail Dealer in Furniture, Crockery & Glassware, LAMPS, TABLE CUTLERY, Silverware and Fancy Goods, FREDERICTON, N. B.

April 30, 1879.

PETER LOGGIE, Wood Moulding & Planing Merchant Tailor, MILL,

Near the Ferry Landing, CHATHAM.

EVERY DESCRIPTION OF FINISHING

for House or Ship Work, manufactured Venetian Blinds, Doors and Sashes Pine and Walnut Mouldings. Jig Sawing and Planing, a Specialty Estimates and Specifications furnished

Orders attended to with despatch. P. LOGGIE.

A. D. SHIRREFF, branches, executed with accuracy and des- AUCTIONEER AND COMMISSION

MERCHANT. Life, Fire & Marine Insurance

GENERALAGENT Chatham, N. B. August 29, 1876.

To Mill Owners and Mechanics. THOS. B. PEACE,

MANUFACTURER OF ALL KINDS OF SAWS, Is prepared to fill orders from any part of the county. His saws are now being widely used, are made of the very finest quality of English Steel, and are warranted to be equal to the theory are represented by the county of the county of the county. The warranted to be equal to the county of the

best English or American manuf ure. A fair trial will prove the c rectne All Kinds of Repairing Done. References By Permission:-ON. WM. MUIRHEAD, Chatham;

J. B. SNOWBALL, ESQ., "D. & J. RITCHIE & CO., Newcastle; J. FLETT, Nelson; BAKER & CO., North Esk. SHOP-Water Street, Chatham, N. B

September, 18 1876. Carriage Repairing.

The Subscriber has erected a shop on the property lately owned by Dr. J. S. Benson, and is prepared to attend to the Making and

James R. Howie. CARRIAGES, HEAVY FARM MARBLE HALL, QUEEN ST., AND LUMBER WAGGONS, &C. DESIRES to return his thanks to his many patrons in the North and elsewhere, for the generous patronage extended to him, and would assure them that no pains will be spared to retain their custome, as it is his aim to have all work performed in a satisfactory and workmanlike manner.

Prompt attention given to all orders. Good Work guaranteed. ANGUS M'LEAN.

Newcastle, July 23, 1878.

Lamps, Oils, &c. CHANDELIERS, BRACKET.

TABLE and HAND LAMPS. Chimneys, Wicks, &c.,

Spring & Summer Wear, which will be made up in the latest styles. AMERICAN & CANADIAN OILS, Orders respectfully solicited.

A good Fit guaranteed in every case. WHOLESALE & RETAIL.

I keep on hand a full Stock of RE/ADY.
MADE CLOTHING and GENTS' FURNISHING GOODS, which will be fold at
"Hard Times" prices.

JAMES R. HO WIE. J. R. CAMERON. "ENNIS & GARDNER BLOCK, Fredericton, May 12, 1879. St. John, May 7, 1878

DENTISTRY.

Newcastle, April 18, 1876. 19tf.

HAS ARRIVED

early call is solicited.

GENERAL DEALER.

NO CHARGE FOR STORAGE

AUCTION SALES, and all Business in con

T. B. BARKER & SONS.

St. John, July 36.

35 and 37 King Street.

and may be found at the

CUSTOM TAILORING. T. M. STEWART. Dr. Freeman (OF SCOTLAND.) will attend to DENTISTRY in its various Branches, as his other engagements will per-

Branches, as his other engagements will permit.

Having procured every appliance and the most recent improvements, Dr. F. guarantees all operations and gives special attention to the insertion of

ARTIFICIAL TEETH.

A PERFECT FIT GUARANTEED. Being a resident in the County his atrons will find no difficulty in having every Newcastle, 22nd April, 1878.

D. E. DUNHAM, DR. W. W. JOHNSON, * ARCHITECT. OFFICE-MARSHALL'S BUILDING, CORNER OF MARKET SQUARE AND PRINCE WILLIAM ST., DENTIST.

ST. JOHN, N. B. REFERENCES:-D. J. M'LAUGHLAN, STEPHEN WITTAKER, JAS. E. WHLLTAKER, S. K. FOSTER, Owners of Commercial Block, King Str. "Waverley Hotel," Newcastle, SIMON JONES, JAS. A. TUFTS, DR. TRAVIS, HENRY VAUGHAN, DR. HAMILTON, ETC., ETC., ETC. G. V. NOWLIN. A. L. PALMER, JOHN V. ELLIS, DR. MACLAREN, G. R. PUGSLEY, F. TUETS, and is now prepared to attend to DENTAL WORK in all its brancnes. As his stay will probably be short an

H. A. CROPLEY, WILLIAM WYSE, BOOKSELLER, STATIONER, PRINTER, BOOKBINDER,

Anctioneer & Commission Merchant Paper Ruler, and Blank Book Manufacturer CHATHAM, MIRAMICHI, N. B. Corner of QUEEN and REGENT Streets, FREDERICTON, N. B. Merchandise and Produce received on Commission. THE attention of the people of Boiestown, Doaktown, Blackville. Indiantown, Derby, and intermediate Villages and settlements between Fredericton and Newcastle and Liberal Advances made on Consign

Chatham, is most respectfully requested to the above House, the largest and longest established in Fredericton. apr.2 FIRST IMPORTATION! DYE STUFFS!

FALL---1879. ANNATTO, Cochineal, Cudbear, Hypernic, Indigo Paste, Peachwood, Nutgalls, Sumac, Red Saunders, Copperas, Camwood, Fustic, Indigo, Logwood,
Madder, Potash Bichromate, Muriate of
Tin, Turmeric. WHOLESALE AND RETAIL BY

St. John, N. B., August 20.

VEGETINE.

A Home in the Celestial City.

H. R. STEVENS, BOSTON: About nine and a half years ago I had a fever; the doctor gave me some poisonous medicine, drove the disease into my leg, and it broke out, and has been from two to ten running sores ever since. I could not sleep a fourth of a night once in six months, and a great many nights was compelled to get up and take opium—a piece as large as a pear to deaden the pain. I have tried everything I could hear of, in fact. I have paid out hundred of dollars, and found no relief until commenced taking Vegetine, and rounding some seven o'clock at night and sleep until seven o'clock at night and sleep until seven o'clock at night and on something to keep from falling; but since I commenced taking Vegetine, and on something to keep from falling; but since I commenced taking vegetine, and man. My honest conviction is that it will cure my leg entirely, from the present looks and feelings. I shall continue taking Vegetine, and recommend it to all whom I come across; and I hope the man agreatly improved, and under their meight of about fourteen miles from Sherbrooke, in a triangle formed by the St. Francis in a triangle formed by the St. Francis versue miles from Sherbrooke, in a triangle formed by the St. Francis versue miles from Sherbrooke, in a triangle formed by the St. Francis versue and the Windsor river, a little down the miles down from the high land bordering the valley of the high land bordering the valley of the bigh land down the ravine in a triangle formed by Always on hand a large and select assort-ment of BROADCLOTHS, Doeskins, SCOTCH, ENGLISH, & CANADIAN TWEEDS. Orders from a distance will received LATEST FASHIONS

Mr. Leach is a gentleman well known here and is the owner of the celebrated Turbine Water Wheel. Druggists take Vegetine and

Recommend it. H. R. STEVENS, BOSTON:

Aug. 22, 1878.

W. Hippee, M. D., Says.

H. R. STEVENS, BOSTON: I have sold your Vegetine for over a year and have heard every person who has used it speak favorably of its good effects. W. HIPPEE, M. D., Druggist,

Des Moines, Iowa.

RHEUMATISM, WEAKNESS. H. R. STEVENS, BOSTON: I have been practising medicine for 25 years, and as a remedy for Scrofula, Liver Complaint, Dyspepsia, Rheumalism, Weakness, and all diseases of the blood. I have never found its equal. I have sold Vegetine for 7 years and have never had one bottle returned.

I would heartily recommend it to those in need of a blood purifier. DR. W. ROSS, Druggist, Druggist's Report.

H. R. STEVENS, BOSTON:

the market. J. H. WHETSTONE, Druggist. Sept. 16, 1878.

VECETINE. icular attention is given to all orders from H. R. STEVENS, Boston, Mass stumps, nax, gutta percha, and normets the crashing of trees and shouts of nests; ivory shavings and lime, sea. the crashing of trees and shouts of Vegetine is Sold by All Druggists and wholesale by T. B. Barker & Son, St. John, N. B. July 30-4w

[From the Montreal Family Herald.] PAPER MAKING IN CANADA.

Introductory-Paper and Paper-Mak-

ing-Rise and Progress. The industries of a country are al-

You leave him satisfied with these is reduced to a fine pulp; this pulp, or comprise an office, storehouses, saw-THE PEN IS MIGHTIER THAN THE SWORD. kind, to the paper which has transmitkind, to the paper which has transmitted their impression abroad. The and the original filaments of the fibactive principle, as usual, bears away the credit; the silent, passive agency is taken for granted. But it must still be there; the locomotive requires the rails, the common wealth its unwritten code, the man a future hope, all silent yet indispensable, just as our philoso-pher's pen and press require a passive material to perfect their usefulness. The material is paper, and of paper we are about to write. Three thousand vears ago, so far as we know, the human race first attempted to write, and like all beginners went heavily into details, to the destruction of the general effect. The attempt was to engrave their writing on flat stones, but long gone Assyrian enspire first made him famo us, found am ong these remnants of time

have been known to the Assyrians, out-put, but but it is certain that about the same time many other methods were prac-Hats, Bonnets, Hat and Bonnet Shapes, Ribbons. Flowers, Feathers, Birds, Ornatins, Striped Velvets, Satins, Striped Velvets, Brocatelle, Buttons, Flannels, Corsets, Oxford Shirtings, Ladies' Scarfs, Gentlemen's French and Made-Up Scarfs, Gentlemen's French and Made-Up Scarfs, &c. &c., &c. Manchester, Robertson, & Allison. ago papyrus began its career, to last at the same time both interesting and blazing hot or favored with rain and Lake St. Peter. The buckets ascend till the parchment of the later Roman useful.

Empire superseded, and the paper of MINNEAPOLIS, MINN., Dec. 18, 1878. Egypt, made also papyrus. waters grew a tall plant, ten or twenty

that it will cure my leg entirely, from the present looks and feclings. I shall continue taking Vegetine, and recommend it to all whom I come across; and I hope the man who introduce! Vegetine into the United States will have ahome in the Celestial City.

Yours most sincerely,

W. S. LEACH.

Mr. Leach is a gentleman well known here and is the owner of the celebrated Turbine

Mr. Leach of the celebrated Turbine

Water Wheat

We see the great distant, any of them. Upon the process just described the Romans greatly improved, and under their days, in 1864, there was not a house outside of a very small village within three miles, except here and there that of an isolated farmer; but Windsor of an isolated farmer; but Windsor how contains between five and six hundred inhabitants, and there are, besides, many cottages scattered over the hills. From the high ground near the village is obtained the march of European progress which the village is obtained was not anticipated by the Egyptians

EARLY BEGAN TO MAKE PAPER, the world, a manufactory of the sub-back as the eye can reach, and this stance which was to revolutionize it district supplies the manufactory with was started in Samarcand. This date, A. D., 706, is the first in the history of paper, the second occurs in the eleventh century, when a mill was started in the limit; of the Greek Empire. The Arabs early carried the manufacture into Spain, from which in which the only material advance near the river and there piled.

> years the hand-mill has been replaced by the vast establishments and

DAY. ways of interest to its people. No and twenty years ago the annual pro-apology, therefore, is needed for the duct of the world's paper manufactories tollowing account of paper manufacture, an account bearing particularly on its development in Canada. To obtainable, but the increase must since make the story of general interest and usefulness, a brief introductory reference to its salient points is given. is in all paper-making one principle and he will tell you that it has been tures the most interesting to witness, the invention of the printing press. is complex and hard to describe with-

separated, and FORM WHAT IS CALLED PAPER. HUNDREDS OF CLAY TABLETS throughout the rest of the world. Of ing stratagem on the part of a farmer turned to stone by the lapse of years. course Canada claims but a compara- and his wite living on the opposite Such means of writing alone seem to tively small proportion of this annual side of the river, from Windsor. They

THE YIELD OF HER MILLS tised; a species of paper was made from is still very great. There are many ten cents across and back, intestines, another from leaves, a third establishments scattered throughout from skins—numan skins sometimes. the Dominion whose appliances and Steel or ivory plates, scored with a products equal those of any in the graving-pezi, are still extant. But the world. Among the most advanced of worthy couple have alighted and hitch-Egyptians, whose strange civilization these in almost every respect, are the ed their horses at the far end of the grasped all things, even to the promise of the world's and which are produced the papyrus which has given in the manufacture was permitted. crossing. Still they seem to consider not dredges of the stamp at present

pany-Reduction of the Rags-Of the Wood.

or, still more, by the Chinese. That peculiar people—inventors of gunpowder, of printing, of canals, of steam-engines—were also the first to discover the art of making paper from fibrous matter reduced to a pulp in the valley of the St. Francis; and no one who has travelled in summer over the railroad east from Richmond, can have helped noticing the quiet takes place, and the composite pulp is ready for paper unshing peopers. THE Subscriber has opened a FIRST CLASS

TAILORING ESTABLISHMENT in the Shop formerly occupied by Mr. P. H. Anslow, and owned by the Hon. William Muirhead, near Letson's Scales, Water Street,

Chatham.

The Subscriber has opened a FIRST CLASS

Thave been selling Vegetine ever since it discover the art of making paper from fibrous matter reduced to a pulp in water. At any rate, they used such a paper eighteen hundred years ago; our British ancestors did not then posting the Quiet beauty of the scenery in this valley. Looking down upon the St. Francis, our British ancestors did not then posting the quiet beauty of the scenery in this valley. Looking down upon the St. Francis, our British ancestors did not then posting the quiet beauty of the scenery in this valley. Looking down upon the St. Francis, our British ancestors did not then posting the quiet beauty of the scenery in this valley. Looking down upon the St. Francis, our British ancestors did not then posting the quiet beauty of the scenery in this valley. Looking down upon the St. Francis, our British ancestors did not then posting the quiet beauty of the scenery in this valley. Looking down upon the St. Francis, beauty of the scenery in this valley. Looking down upon the St. Francis, paper eighteen hundred years ago; our British ancestors did not then posting the quiet beauty of the scenery in this valley. Looking down upon the St. Francis, paper eighteen hundred years ago; our British ancestors did not then posting the quiet beauty of the scenery in this valley. Looking down upon the St. Francis, paper eighteen hundred years ago; our British ancestors did not then posting the quiet beauty of the scenery in this valley. Looking down upon the St. Francis, paper eighteen hundred years ago; our British ancestors did not then posting the quiet beauty of the scenery in this year. Burlington, Iowa.

Burlington, Iowa.

Burlington, Iowa.

D., Says.

Burlington, Iowa.

Burlington, Iowa.

Burlington, Iowa.

Chinese did not use rags much, for the chief constituent of their article was the inner bark of the bamboo and mulberry trees, which were put the lower village. mulberry trees, which were put through an elaborate fitteen days process, and did not afford a remarkably cess, and did not afford a remarkably in its silent course until the last gleam good paper after all. The operations of the Japanese hardly resulted more turns of the hills which environ its satisfactorily, although they have anticipated the notions of our present manufacturers by turing their paper threaten to lose themselves among the To select from.

Dr. W. Ross Writes.

to strange uses, among other things clouds. Looking upwards the eye making waterproof clothing from it. travels over the mills and the long On the other side of Asia the Arabians bridge opposite them, and rests upon a basin in the amphitheatre of hills into which the river abruptly expands obtaining the idea from China; and shortly after the death of Mahomet, and while his followers were ravaging and while his followers were ravaging slopes are very thickly wooded as far

THOUSANDS OF CORDS OF WOOD

manufacture into Spain, from which it spread over all Europe, and after untouched when practicable and ob-I have been selling your Vegetine for the past five years, and find the sales increasing every years. I consider Vegetine one of the best and most reliable preparations now in the invention of printing rose to huge dimensions. The first mill was built in England in 1558; the first in America to the wood is done, and the best and most reliable preparations now in in 1690. Not at all confined to rags scene is one not easily forgotten. The I N E, by

and bark have been the experiments upon the making of paper. The most tested and abandoned, the one after the other. Cotton stalks, cabbage stumps, flax, gutta percha, and hornets' nests: ivory shavings and hornets' weed and oakum have all had their men; there are usually between three chance and are but a tithe of the ma-terials tried. But, until lately, little more than a hundred teams employed addition was made to the resources of the manufacturers, and the direction wood is teamed to the great yards The of the machinery. This however, was wonderfully rapid; in less than fifty wears the hand will be be be a stream emptying into the St. Francis. To secure the saw mill and upper buildings of the establishment from danger during the spring freshets, the

the stream; and just above this bulk-

head is the dam necessary in the late summer to collect sufficient WATER POWER TO RUN THE MILLS. good all the year round, except, persufficient during nearly a third of the

term LIQUOR HOUSE As before stated, the first mill men-tioned in the annals of the New World is made the caustic liquor required in was established in 1690. As the the reduction of the wood. Crossing Yankee was an unknown species in the St. Francis opposite the mills is a those days, the mill could not, of long and substantial wooden bridge, course, le established by one; and erected by the Company for conveni-that honor belonged to a Dutchman, ence of access to one of their wood-William Rittinghuysen. Rittinghuysen built his mill at Roxborough, near welcome to travellers. This bridge is some 500 feet in length, and cost the philadelphia, upon a little stream some 500 feet in length, and cost the bridge company \$10,000 cords of wood stored there; the bridge company \$10,000 cords of wood stored there; the is believed that the paper now produc- Teams are charged five cents each pased in the United States and Canada sage, and foot-travellers three cents; yearly equals that manufactured and this distinction caused the followwere accustomed to drive over to the village every week with butter, eggs, etc., and their toll was accordingly

THIS WAS EXORBITANT. its name to our modern substitute for As already remarked, the description it all right, although curiously enough it. Two thousand four hundred years of these processes is difficult, but it is their market days are usually either thunder-storms. Another public bene-

fit to the neighborhood is a comfortthe European twelfth century mills destroyed it. The Nile, which made in the interest of the Company, however, as by agreeing to build it the About nine and a half years ago I had a cet, soft, and built of almost impersever; the doctor gave me some poisonous ceptible layers of thin material. Cut- in a triangle formed by the St. Francis in a triangle formed by the St. Francis license should be issued. Consequent- in a triangle formed by the Windsor river, a little ly, although the hotel does not pay district authorities that no other hotel

wood and cloth are each separately brought to a pulp before being mingled ready for paper making proper.

THE RAG PROCESS. bales of rather unsightly appearance, and are placed in the store-houses until required. From the latter they are taken as needed to the sortingroom, where they are separated into various grades which are used according to the quality of paper to be made At one time the sorting-room was an important department, employing a large number of hands, but since the introduction of wood as the chief constituent of the paper, the glory of the sorting-room has departed, much fewer hands being now needed there. The rags pass from it through a series of "dusters" and "cutters," from which they issue in masses of partially-cleaned shreds. In the floor of the dusting-room is an aperture through which the shredded masses are shovelled into a huge revolving iron boiler. in the chamber below; and when the boiler is sufficiently full, steam is let in by pipes from the engine-house, and the boiler caused to revolve for almost identical, are oblong bins about

which, after circulating through and cleansing the pulp, is removed in its dirty state by an ingenious arrangement of wire screws and buckets. The bin also contains an arrangement of knives which completes the decomposition of the rags. This washing and beating process results in making it resembles ice-cream more than any-thing else, and the bius containing the PONDEROUS MACHINERY OF THE PRESENT COMPANY Were compelled to erect a pulp seem to be a wholesale preparation for Sunday school picnics. Only strong bulkhead across the course of the very fine rags, however, can be brought to this creamy whiteness, and then only by the free use of chlorine. From the bleaching-engines the clean pulp is flooded into the "drain-Formerly, the water power held ers," where it lies for a while for the double purpose of bleaching and alhaps, during a couple of weeks in the lowing the chlorine liquor to be drainttest part of the year; but of late, ed off for use again, after which a Ask a philosopher what has caused the wonderful progression of the human geneous a thin watery pulp. Yet the stream has been cleared and the forrace in the past three hundred years, and he will tell you that it has been described in the most interesting to witness, and he will tell you that it has been through the most interesting to witness, has gradually failed, and is now inlate: from sorting-room through the "dusters" and "cutter" to the boiler; Ask him again why the most literary nations have ever been the most adnations have ever been the most adnational every numerous, and then to the "drain-an auxiliary. The buildings of the establishment are very numerous, and, one general process. A fibrous many and the most literary out plates; the reader will understand an auxiliary. The buildings of the establishment are very numerous, and, one general process. A fibrous many and the most literary out plates; the reader will understand time. Steam is consequently used as an auxiliary. The buildings of the establishment are very numerous, and, one general process. A fibrous many and the most literary out plates; the reader will understand time. Steam is consequently used as an auxiliary. The buildings of the establishment are very numerous, and, one general process. one general process. A fibrous material is cut, and bruised, and tortured, as they are built apart as much as cirtured, and bruised, and tortured, as they are built apart as much as cirtured, and bruised, and tortured, as they are built apart as much as cirtured, as they are built apart as much as cirtured, and bruised, and tortured, as they are built apart as much as cirtured, and bruised, and tortured, and bruised, and tortured, as they are built apart as much as cirtured, and bruised, and tortured, and tortured, and bruised, and tortured, and to cumstances will permit, in case of fire, cover several acres of ground. They less, apparently, these products of the you leave him satisfied with these is reduced to a fine pulp; this pulp, or sonorous platitudes still sounding in your ears, and never give a thought to the medium which alone has rendered to the medium which alone has rendered to a fine pulp; this pulp, or comprise an office, storehouses, saw hours come forth from their sharp purposes, and never give a thought of wire cloths until the superfluous of wire cloths until the superfluous house, "recovery house," "liquid is gradually drained off. The house," and the manufacturing establishment of the superfluous house, are still to be merged in far different the superfluous house, and the superfluous house, are still to be merged in far different the superfluous house, and the superfluous house, are still to be merged in far different the superfluous house, are still to be merged in far different the superfluous house, are still to be merged in far different the superfluous house, are still to be merged in far different the superfluous house, are still to be merged in far different the superfluous house, are still to be merged in far different the superfluous house, are still to be merged in far different the superfluous house, are still to be merged in far different the superfluous house, are still to be merged in far different the superfluous house, are still to be merged in far different the superfluous house, are still to be merged in far different the superfluous house, are still to be merged in far different the superfluous house, are still to be merged in far different the superfluous house, are still to be merged in far different the superfluous house, are still to be merged in far different the superfluous house, are still to be merged in far different the superfluous house, are still to be merged in far different resultant damp sheet then passes unmaterial, and have still to undergo long

But by far the most important contituent of the cheaper paper is wood, and the quantity used in the mills, in one way and another, is almost in-On the opposite side of the St. Francis from the mills, and behind the first terrace rising from the river, s the wood-yard, in itself an impressive sight. From the rising ground a lear view is obtained of the yard, and atter hill of wood. There are at times which is known to this day by the name of "Paper-mill Run," but the time the sole return was all in the for steam, hot water and paper pulp. prave their writing of hat stoles, which were impressed to clay tablets, which were impressed while soft and afterwards dried and hardened in only through the frail product which the capital after standing all necessary the capital after standing all necessary the capital after standing all necessary the capital after standing all necessary. the sun or in kilns, much as are our bricks. Layard, (now Sir Austin, British Ambassador in Turkey) whose British Ambassador in Turkey) whose researches in the buried cities of the researches in the capital after standing and necessary the could be contained as the capital after standing and necessary the could be contained as the capital after standing and necessary the could be contained as the capital after standing and necessary th gard to its grain; but it gets little petting in the paper mill. Strongly set upon a revolving shaft is a great 5-ton wheel, with projecting knives running on one side like a spoke from the centre to the circumference. The edge of this knife is parallel to the wheel. The log of wood placed in an inclined trough slides down and rests against the side of the revolving wheel until the projecting edge comes round and slashes right across the wood, taking off a clean slice in a moment. Just beneath the knife is a space through which the sliced wood falls into buckets arranged upon an inclined endless chain, the same in principle as

THE BUCKET FRAME OF A LARGE DREDGE, working in Montreal harbor, but the improved deep-water dredges, used in