A HISTORY OF NIAGARA.

THE PAST AND THE FUTURE OF THE GREAT CATARACT.

Niagara Falls, Nov. 16.—Professor Julius Pohlman, ex-president of the Buffalo Society of Natural Sciences, has made a thorough research into the geological and scientific history of Niagara Falls, with special reference to the time occupied by natural changes in the cataract, their nature, effect and probable future character. He has prepared a paper embodying all these points, which will be found interesting reading. Below is given an abstract of the report.

The first scientific survey of the Falls was made in 1842 by Professor James Hall, the State geologist of New-York, and all of our exact knowledge dates from his maps. Professor Hall then gave the height of the American Fall as 167 feet and of the Horseshoe Fall as 158 feet, counting the elevations from the water's edge on October 4, 1842, and he admits that this starting point can vary from four to twenty feet with the rise and fall of the water below the Falls. He gave the width of the American Fall as 600 feet and that of the Horseshoe Fall as 1,800 feet.

The Lake survey went over the ground again in 1875, and in these thirty-three years the southernmost point of the Horseshoe Fall had receded 160 feet, while in the brink of the American Fall differences of forty feet were apparent.

When the American Association for the Advancement of Science met here in 1886 the section of geology decided to make Niagara the problem of the session, and for that purpose Professor Woodward, of Washington, and some of his assistants surveyed the brink of the falls again. They found an average recession for the whole face of the Falls of about two and one-half feet per annum, but as the central parts of the curve, where the water is deepest, retreated faster than the edges, the southernmost point of the Horseshoe Fall was found to have travelled south about 200 feet since 1875, or about 300 feet since 1842, nearly nine feet every year. In view of such rapid changes it seems highly probable that the older pictures of the Falls, which always place the Horseshoe Falls considerably nearer than they are to-day, are practically, or at least partially correct.

If the rate of retrocession remains during the next 500 years as it has been for the last forty-five years, the inner edge of the Horseshoe Fall will have passed to the east of Goat Island, and as the line of deepest water is near the Canadian shore all the waters of the river will pass over the Horseshoe Fall, obliterating the American Fall entirely and transforming Goat Island into a peninsula, on which the smaller islands of to-day, Bath, Luna, Chapin, etc., will appear as little hilltops.

The fall will then, perhaps, be higher than to-day because the present descent of fifty feet over the rapids will be added to the height of the cataract, minus the number of feet needed to give the necessary current to the river below, which at present is fifteen feet to the mile. Considering that even now the Horseshoe Fall no longer recedes south but more east than south, which recession will be more easterly yet in the course of time, it will have to travel about five miles in that direction before the Niagara shale, which now occupies the lower half of the face of the Fall, is under water; and the retrocession by means of undermining is stopped. For at present the changes that take place are due to the fact that the upper eighty feet of the face is formed of a hard limestone, while the lower eighty feet is composed of soft, easily crumbling shale, which the spray can wash away with ease to such an extent that the overlying limestones lose their support, break off and tumble down with a corresponding change in the appearance of the edge of the Falls. Then the changes will be accomplished simply by the eroding power of the water and the Falls will remain near the northern end of Grand Island for a practically unlimited time. We thus see that after the Falls of to-day have receded, perhaps three-quarters of a mile, there will be only one Fall; when that one Fall has travelled east and south four miles more and reaches Grand Island, it will again be divided into an American and a Canadian cataract, this time separated by Grand Island, and, like the Falls of to-day, the western branch will carry the largest amount of water, will recede faster and be the lower of the two in height. The hope of finally having the Falls at Buffalo must be abandoned, for from that point of Grand Island to the city of Buffalo only rapids can exist on account of the nature of the underlying rock, which is soft.

As the retrocession of the Falls of Niagara began in what may be called, geologically, the most recent period, the time necessary for it to arrive at its present site has had a very important bearing upon the question of the age of man on the American continent. As long as it was considered necessary to claim several hundred thousand years for the age of Niagara alone, the age of the human race had to be computed at perhaps half a million of years; no matter how little such high figures agreed with other discoveries, the rocky gorge of the Niagara always presented an insurmountable obstacle against any reduction of time. But since we have discovered that after all the work of excavation could have been accomplished in perhaps 3,000 years, our computation of the age of the human race has settled down to reasonable figures, which give to the beds of sand and gravel in which the oldest human implements have been found an age of perhaps 40,000 to 60,000 years, and anthropologists claim that all the facts so far collected agree well with the latter figure.

New Publications.

BOOKS TO READ.

Mrs. Dodd's GLORINDA, a charming story. 75 cents.

Sir Arthur Helps's CASIMIR MAREMMA. 75 cents.

Olive Schreiner's STORY OF AN AFRICAN FARM. 60 cents.

Balzac's COUSIN BETTE, a novel of absorbing interest. $1 50.

OUR RECENT ACTORS, both dead and living. $2 00.

ELIZABETH BARRETT BROWNING in the Famous Women Series. $1 00.

Edward E. Hale's FRANKLIN IN FRANCE. 2 vols. $6 00.

PRINCE VANCE. By Eleanor Putnam and Arlo Bates. $1 50.

Oscar Wilde's HAPPY PRINCE AND OTHER STORIES. $1 00.

Lear's Famous NONSENSE BOOKS, complete. $2 00.

Susan Coolidge's CLOVER, a Sequel to the Katy books. $1 25.

ROBERTS BROTHERS, Publishers, Boston.

BABYHOOD.—DEVOTED TO THE CARE of Infants. $1.50 a year. All booksellers and postmasters take subscriptions.

LADIES interested in the study of French language, by sending their address and three cents postage stamps, to Professor Berger, 853 Broadway (Domestic Building), New-York, will receive, free of charge, his new book of French conversations, proverbs, idiomatic expressions.

Instruction.

For Young Ladies—City.

AN UNUSUAL OPPORTUNITY for the education of two Young Ladies in New-York City. Large second-story room, southern exposure; modern languages, elocution, piano, harp, violin, voice, drawing, painting, all English studies, &c.; large studio and parlors, library and music room. For full information address "BOARDING SCHOOL," care of Mr. J. H. Denison, Tribune Office, New-York City.

A.—JACKSON SEMINARY, 2,025 5th-ave., New-York, n. e. cor. 125th-st.)—Boarding and Day School for Young Ladies and Children. Board, $300 per annum.

A.—MISS MARY HARRIOTT NORRIS, 987 Madison-ave. Classes reopen October 11. At home after September 25.

A.—MISS WARREN'S SCHOOL FOR GIRLS, WITH BOYS' DEPARTMENT. Reopens Sept. 27. 71 West 47th-st.

A.—MISS ANNIE BROWN'S SCHOOL FOR GIRLS, With Gymnasium and Kindergarten. 9th Year. 713-715 Fifth Avenue.

DURING MISS DU VERNER'S ABSENCE, MISS CURRIER HAS OPENED THE SCHOOL AT 52 EAST 30TH-ST.

EXCELLENT home with superior advantages for music, languages, elocution, painting, &c.; $50 monthly to one or two young ladies. Address "CITY SCHOOL," 1,238 Broadway.

MADAME and MADEMOISELLE CASTEGNIER'S French and drawing classes for children and advanced pupils; special classes for conversation; private lessons. 323 Lexington-ave.

MISS KIERSTED'S SCHOOL FOR GIRLS, 20 EAST 62D-ST., Reopens October 3. Separate classes for boys. Studio.

MISS CROCKER AND MISS BECK'S SCHOOL FOR GIRLS, 31 West 42d-st., opposite Bryant Park. Reopens October 3, 1888. Classes for Boys.

THE COMSTOCK SCHOOL, (Established 1862), NO. 32 WEST 40TH-ST. Boarding and Day School for Young Ladies. Reopens Oct. 3. Miss DAY in charge.

THE MISSES GRINNELL'S DAY SCHOOL FOR GIRLS, 22 EAST 54TH-ST. Kindergarten, Froebel Method.

VAN NORMAN INSTITUTE (Founded 1857). HOME AND DAY SCHOOL.—Central Park, West, at 62d-st. (Morgan Mansion.) Mme. VAN NORMAN, Principal.

Art Schools.

MRS. LOUISA B. CULVER will resume her classes, from October 23, in Drawing, Oil and Water-color Painting, Still Life, Flowers and Landscape, China Painting and Decoration. NO. 28 WEST 23D-ST.

References: Mr. D. Huntington, President National Academy of Design; Mr. William Hart, N. A.; Mr. James M. Hart, N. A.; Mr. David Johnson, N. A.

Instruction.

For Boys and Young Men—City.

CLASSES FOR BOYS, 22 EAST 54TH-ST. English, French Latin. MISSES GRINNELL.

M. W. LYON'S COLLEGIATE INSTITUTE, No. 5 East 22d-st. Thirty-third year. Receives all ages, and prepares for college, scientific school or business. PRESENT PATRONS OF LONG STANDING. Francis D. Buck, M. D., R. W. McClave, Henry S. Carter, M. D., Christopher Meller, Rev. Jos. R. Kerr, D. D., Nathan A. Mossman, M. D., Rev. Edward Kranz, William Rockefeller. Tuition, $80 to $200 per annum. Circulars describing Advisory Committee, Spelling Ladder, Recess Walks, &c., at Putnams' and Randolph's book stores.

UNIVERSITY GRAMMAR SCHOOL, 1 473 Broadway, near 42d-st.; 52d year; primary, commercial and classical departments; instruction thorough. M. M. HOBBY, W. L. AKIN, N. C. HENDRICKSON, Principals.

For Both Sexes—City

A.—BUSINESS EDUCATION.—Bookkeeping, writing, arithmetic, correspondence, spelling, grammar, stenography, typewriting. Ladies' department commence any day or evening. PAINE'S BUSINESS COLLEGE, 62 Bowery, corner Canal; uptown, 107 West 34th-st., cor. Broadway.

A.—CIRCULARS OF GOOD SCHOOLS, FREE; state whether for boys or girls; city or country. R. E. AVERY, American School Bureau, 2 West 14th-st., N. Y.

A.—SAUVEUR SCHOOL OF LANGUAGES, "THE ALPINE," 55 WEST 33D-ST., CITY. 14TH YEAR REOPENS OCTOBER 1.

A.—ELOCUTION, LITERATURE, PHYSICAL CULTURE. Mrs. NORRIS, 230 West 42d-st., west of Broadway.

AT THOMPSON'S COLLEGE, 20 4th-ave., N. Y.—Bookkeeping, Writing, Arithmetic, English branches, Typewriting, Stenography and Telegraphy, taught day or eve.; begin immediately; terms low; ladies' department; cal. for circular.

FRIENDS' SEMINARY, on Rutherford place, (opposite Stuyvesant Square), corner 16th. Opens 9th month (Sept.), 18th.

A School for both sexes, with a carefully graded course from the Kindergarten to the Collegiate Department, the latter being especially designed for preparation for entrance to all the leading colleges. The Principal is in attendance to receive applicants every morning.

HENRY GEBHARD, Gymnasium, Calisthenics, Fencing; special class for ladies, misses, masters. See circular. 2 and 4 East 45th-st.

PACKARD'S BUSINESS COLLEGE,

Corner 23d-st. and 4th-ave., has placed more young men and young women in good paying positions than all the New-York schools together. It has the confidence of business men, by virtue of its thorough training in Bookkeeping, Writing, Arithmetic, Stenography, and such other branches as are requisite to the accountant and amanuensis. It is the headquarters of Munson Phonography and the live school of the city. Send for illustrated circular.

S. S. PACKARD, President, 101 East 23d-st.

THE CONVERSATION SCHOOL OF LANGUAGES, 17 West 42d-st., opposite Reservoir. French, German, Spanish, &c.; quickly and idiomatically spoken by the Conversation Method, just published (Ivison, Blakeman & Co.); superior native teachers; class or private instruction. EDMOND GASTINEAU, A. M., Paris, author of the Conversation Method, Principal.

THE BERLITZ SCHOOL OF LANGUAGES, Madison Square (25th-st. and Broadway). TERMS BEGIN NOW. Branches: Brooklyn, Boston, Washington, Philadelphia.

WALWORTH'S STENOGRAPHIC AND BUSINESS COLLEGES, 125th-st., corner 4th ave. $35 quarter. Evenings $25.

Musical Instruction.

A.—A.—GRAND CONSERVATORY OF MUSIC OF THE CITY OF NEW-YORK. 98—5TH-AVE.—98 Corner of 15th-st. INCORPORATED. THE MOST SUCCESSFUL AND COMPLETE SCHOOL OF VOCAL AND INSTRUMENTAL MUSIC, HARMONY AND COMPOSITION. ALL ORCHESTRAL INSTRUMENTS. ELOCUTION AND ORATORY AND DRAMATIC ART. FOREIGN LANGUAGES AND DANCING AND PAINTING. From the first beginning to the highest artistic perfection has been attended by TEN THOUSAND STUDENTS. PRIZES AND GOLD MEDALS ARE AWARDED ANNUALLY TO THE BEST STUDENTS. For further particulars address Dr. E. EBERHARD, President, 98 5th-ave., New-York.

A.—NEW-YORK CONSERVATORY OF MUSIC, For 18 Years Located at 5 EAST 14TH-ST. ONLY (34 Door East of 5th-ave.). Established 1863. Chartered 1865. Empowered to award Diplomas and confer Degrees. As this FAMOUS SCHOOL of VOCAL and INSTRUMENTAL Music, Harmony and Composition, Elocution, Modern Languages, Drawing and Painting (the FIRST ORGANIZED and MOST upholstered in America), students receive unequalled advantages. N.B.—No BRANCH nor CONNECTION with any other school on 14th-st. or in the City as represented. Open DAY and EVENING for the reception of pupils.

BANJO and GUITAR taught in twenty private lessons, with or without the aid of notes. HENRY C. DOBSON, 1,270 Broadway, bet. 32d and 33d sts.

For Young Ladies—Country.

COLLEGIATE SCHOOL FOR GIRLS, ENGLEWOOD, N. J. Reopens September 20. Preparation for college a specialty. Pupils admitted to Vassar, Wellesley, and Smith on our certificate. ADALINE W. STERLING, CAROLINE M. GERRISH, A. B.

HOME INSTITUTE, Tarrytown, N. Y.—A boarding and day school for young ladies and little girls. Miss M. W. METCALF, Principal.

HOME and DAY SCHOOL FOR GIRLS, "THE ELMS," Springfield, Mass. Miss Porter, Principal. Pupils admitted to Vassar, Wellesley and Smith on our certificate. Quincy method for children.

ROSIERE SEMINARY, Stamford, Conn.—Home boarding school for Misses and Children; thorough instruction; mother's care. For particulars and circular, address Miss L. WHITHERSTON, Principal.

THE FALL TERM of "Park Place School," Batavia, N. Y., will open September 6, 1888. For catalogues address Miss MARY J. STEPHENS, Principal.

For Both Sexes—Country.

$200 A YEAR, board and tuition; seminary (girls); $200 yearly; military academy (boys). Address EPISCOPAL SCHOOLS, Haddonfield, N. J.

Boys and Young Men—Country.

A.—NEW-YORK, Roslyn, Long Island. BRYANT SCHOOL. 23 miles from N. Y., overlooking L. I. Sound. An incorporated Academy for boys; English, classical, commercial; military organization under graduate of U. S. M. A. (West Point). Buildings, grounds and general equipment unsurpassed. Apply to GEORGE BRUCE CORTELYOU, Principal.

A NEW ILLUSTRATED CIRCULAR of SWITHIN C. SHORTLIDGE'S MEDIA (PENN.) ACADEMY FOR BOYS SENT FREE.

ELMWOOD SCHOOL FOR BOYS.—At Milford, Conn. Parents who are unfortunate in the management of their sons will do well to profit by the advantages offered by this school. Address FRANK M. HOWE, Supt.

FREEHOLD INSTITUTE, Freehold, N. J.—Forty-fourth year; for boys and young men. Address Rev. A. G. CHAMBERS, A. M., Principal.

IRVING INSTITUTE, Tarrytown-on-Hudson, offers unusual advantages to parents seeking the best instruction for their boys. Address A. AIMAGNAC, Ph. D.

NEW-JERSEY, Montclair. Near N. Y. City. Box 301. HOME AND SCHOOL FOR YOUNGER BOYS. Beautiful Country-seat. Home Training. Thorough Instruction. Individual Care. REV. WILLIAM A. NEWBOLD, Principal.

PARK AVENUE INSTITUTE, BRIDGEPORT, Conn.—Excellent home school for boys. Advantages first-class. Parents always pleased. Begins Sept. 19, 1888. For circulars address G. B. JONES, A. M., Principal.

THE PEEKSKILL MILITARY ACADEMY, Peekskill, N. Y.—Send for Catalogue. JOHN N. TILDEN, A. M., M. D., Principal.

TRINITY SCHOOL, Tivoli-on-Hudson, N. Y. The Rev. JAMES STARR CLARK, D. D., Rector. Assisted by five resident teachers. Boys and young men thoroughly fitted for the best colleges and universities, scientific schools, or for business. This school offers the advantages of healthful location, home comforts, first-class teachers, thorough training, assiduous care of health, manners and morals, and the exclusion of bad boys, to conscientious parents looking for a school where they may with confidence place their sons. Special instruction given in Physics and Chemistry. The twenty-second year will begin Sept. 11.

VIEULAND, Peekskill, N. Y.—A boarding school for boys. Prepares for colleges and business. CARL A. HARSTEDT, B. A., EDWARD P. PEARSON, B. S., Principals.

Teachers.

A.—ENGLISH in all its branches, piano and singing thoroughly taught by young lady combining qualifications of college and European education, with power of clearly and pleasantly imparting knowledge. Children thoroughly grounded in elementary studies and music. Special course for young ladies of deficient education. Refers to city families in which she has taught from two to five years. Visiting teacher only. Address SMITH COLLEGE GRADUATE, Tribune Uptown Office, 1,238 Broadway.

A.—BEST TEACHERS supplied, no charge; teachers wanted; no registration fee; vacancies always on hand; form for stamp. R. E. AVERY, American School Bureau, 2 West 14th-st., N. Y.

A.—AMERICAN AND FOREIGN TEACHERS' AGENCY supplies Professors, Teachers, Tutors, Governesses, &c., to Colleges, Schools and Families. Apply to Mrs. M. J. YOUNG-PULTON, 23 Union Square.

A YOUNG LADY, just from France, as governess; teaches English, French, music and drawing; best city references. Call or address GOVERNESS, 280 Madison-ave.

A YALE GRADUATE, experienced tutor, wishes private pupils; fitting for college a specialty; highest references. Address YALE, Box 10, Tribune Office.

A LADY teaches thoroughly English, Latin and Greek. A Backward pupils grounded in either branch. Young lads assisted in classics. Special English course for young ladies desiring general culture or contemplating European travel. College diplomas; refers to pupils. Address PRIVATE LESSONS, Tribune Uptown Office, 1,238 Broadway.

A FORMER Williams instructor desires college or preparatory tutoring; references. W. D. MAPES, 220

AN EXPERIENCED TEACHER receives at her residence pupils in literature, history, elocution, art; specially prepared course of study for those whose early education has been neglected. Miss BROWN, 157 West 46th-st.

A THOROUGH TEACHER of piano; beginners receive special attention; moderate. Miss E. NORTH, 40 West 23d-st.

BROCKWAY'S TEACHERS' AGENCY (formerly Chicago), supplies superior teachers for schools, colleges and families. Mrs. L. FREEMAN-BROCKWAY, 28 West 23d-st. Recommends schools to parents.

GOVERNESSES WANTED.—English, German, with superior music; English, piano and singing; teacher of English branches (Episcopalian) for school. WOMAN'S EXCHANGE TEACHERS' BUREAU, 329 5th-ave.

HILL'S SCHOOL of SHORTHAND and TYPEWRITING is connected with a copying office doing a large amount of business and pupils are taught practical work. 87 Temple Court.

ITALIAN LANGUAGE. Professor G. A. DALUMI, 128 East 54th-st.

NOTICE.—French to visitors of the next Paris Exhibition; perfect French lessons by quick, correct and easy methods. Address GRADUATE, 950 Broadway.

Teachers.

ELOCUTION and DRAMATIC ACTION; terms reasonable; also neglected education and how to acquire a brilliant mind successfully taught by ALTO CONWAY, 51 West 33d-st.

HESSE'S TEACHERS' AGENCY, 12 East 17th-st., supplies competent teachers, tutors, governesses, musicians, elocutionists, &c.; resident and visiting; English, French, German, Spanish spoken. Best schools recommended.

MR. and MRS. E. REINBECK, Teachers of Piano, private and in classes. No. 1,146 Park-ave., bet. 66th and 67th sts.

NORTH GERMAN LADY, graduate here and abroad, until lately teacher in city high school, takes more pupils. German, French taught by new, approved methods; Berlitz; best city reference. Address J. M., 60 Irving place.

PRIVATE LESSONS in French, German, Spanish, Latin and Greek by Parisian lady and gentleman, with evening conversations. 109 West 15th-st.

PREPARATION FOR COLLEGE by Harvard graduate. German, French by native graduates. Terms reasonable. A. S. W., 1,238 Broadway.

PARISIAN LADY, experienced in French and music, desires a few more pupils; classes, private lessons; conversation; highest references. Address X., Tribune Uptown Office, 1,238 Broadway.

SPECIAL PREPARATION for Sheffield and Schools of Technology. Address MATHEMATICS, Tribune Uptown Office, 1,238 Broadway.

TUTORS, Governesses, Professors, Teachers, all branches; circulars schools supplied parents; modern languages spoken. MIRIAM COYRIERE, 31 East 17th-st., bet. 4th-ave. and Broadway.

VISITING TEACHING.—By a lady, writer of a book of foreign travel and familiar with the most approved methods; thorough English, Latin, French, Italian, German, music and painting. Miss C. MUNRO, Tribune Uptown Office, 1,238 Broadway.

VOICE CULTURE.—A quick and practical method, with elocution. Professor GEORGE S. HILLIARD, Public Reader, Actor, Dramatic Critic, 253 West 34th-st.

WOMAN'S EXCHANGE TEACHERS' BUREAU (for both sexes) supplies professors, teachers, governesses, musicians, housekeepers, companions, chaperones, &c., to colleges, schools and families; also bookkeepers, stenographers and copyists to business firms. Mrs. A. D. CULVER, 329 5th-ave., New-York City.

WANTED.—English governess, teaching piano, French; companion-governess; German, piano, English; willing to travel; English teacher, school. MISS DONOVAN'S Teachers' Bureau, 30 East 14th-st.

35 CENTS A LESSON, private or classes.—By North German lady; European graduate; acquirements, German, French, piano, playing duets; references. Box 10, Tribune Uptown Office, 1,238 Broadway.

Dancing Academies.

ALLEN DODWORTH, NO. 681 FIFTH AVENUE. Classes and private lessons now open. Classes for gentlemen will commence Dec. 3. For terms, &c., send 2-cent stamp for circular.

ALEXANDER MACGREGOR'S, 108 WEST 55TH-ST. Classes and private instruction daily. Gentlemen's class, Waltz only, begins Saturday evening, Dec. 1. Hall to let for private entertainments.

A.—CARTIER'S DANCING ACADEMY, 80 5th-ave., between 13th and 14th sts.; private lessons all hours; waltz taught rapidly; classes forming; terms moderate.

CARL MARWIG'S Friday and Saturday Classes, at the Vienna, 131 East 58th-st. Ladies' class commences Nov. 30. Application Friday and Saturday, from 2 till 4 p. m., private residence, 911 7th-ave.

FERNANDO'S ACADEMY, 162 East 55th-st. (Bank Building). A school for Dancing, Deportment and Calisthenic Exercises. Classes now forming. Send for circular.

GEORGE W. WALLACE'S CLASSES, 20 West 59th-st. and HARLEM, 129th-st. and 4th-ave. See circulars.

MR. MANUEL will resume his classes Dec. 5, at the Berkeley Lyceum, 19 West 44th-st. Address Barrett House, Broadway and 43d-st.

MR. WM. B. DeGARMO, 4 East 45th-st., has resumed instructions in FASHIONABLE DANCING. Write or call for circular.

Hotels.

CLARENDON HOTEL, 4TH-AVE. AND 18TH-ST., N. Y. On the American and European Plan. C. H. KERNER, Proprietor.

EVERETT HOUSE. 4TH-AVE. AND 17TH-ST., NEW-YORK. Centrally located, OVERLOOKING UNION SQUARE. Table Service a la carte. JOHN G. WEAVER, Jr., & CO.

HOTEL ALBERT, Eleventh-st., between Broadway and 5th-ave. LOCATION CENTRAL. IDEAL FIREPROOF BUILDING. A few more elegantly furnished suites of two to six rooms left. Cuisine and service unsurpassed. Terms favorable for winter. ROBERT J. BRADY, Manager.

HOTEL NORMANDIE, BROADWAY AND 38TH-ST., NEW-YORK. The most comfortable and complete Family Hotel in the City. On the European Plan, with restaurant of peculiar excellence. ABSOLUTELY FIRE-PROOF. FERDINAND P. EARLE, Proprietor.

MADISON AVENUE HOTEL, MADISON-AVE. AND 58TH-ST., NEW-YORK. A first-class family hotel on the American plan. WM. M. HUMPHREY & CO., Proprietors.

THE LANGHAM, 5TH-AVE. AND 52D-ST. DESIRABLE SUITE OF ROOMS FOR BALANCE OF SEASON. UNEXCEPTIONABLE CUISINE AND ATTENDANCE. H. C. SHANNON, Manager.

THE SHERWOOD, 531 FIFTH-AVE. COR. 44TH-ST., NEW-YORK. A QUIET HOTEL on the AMERICAN PLAN. ELEGANT APARTMENTS—$5 suite for families. GEO. MURRAY, Proprietor.

THE WILTON, 45 WEST 27TH-ST. Newly furnished; French chef; choicest foods, constantly varied. Surrounded by principal theatres, hotels, shops, L station, cars. One-third price of large hotels.

MANSION HOUSE.—Brooklyn Heights. Directly opposite Wall-st., New-York, four minutes' walk from Wall-st. and Fulton ferries and the Bridge; superior accommodations; reasonable rates; select family and transient hotel; 200 rooms.

Winter Resorts.

PARK HOUSE, SUMMIT, N. J. Fall and Winter Resort. Nearly 500 feet above tide-water. Within 1 hour from New-York. 200 feet of piazza inclosed with glass. New system of steam heat. Perfect plumbing and sewerage system. Superior water supply. JOHN A. HICKS, Proprietor.

THOMASVILLE, GA. PINEY WOODS HOTEL. SEASON OF 1888 OPENS DEC. 1. M. A. BOWER, Proprietor. For circulars, rates, &c., address WM. E. DAVIES, Manager, THOMASVILLE, GA., or F. A. BUDLONG, WINDSOR HOTEL, New-York City.

THE OGLETHORPE, BRUNSWICK, GEORGIA. Entirely new; built of brick, having all modern improvements. Accommodates 200 guests. Season opens January 2. For circular and other information address J. H. KING, Manager, Brunswick, Ga., or Windsor Hotel, New-York City.

ATLANTIC HOUSE, OCEAN GROVE, N. J. Open all the year. Pure water from artesian well. Electric lights, steam heat and sun parlor. CHAS. J. HUNT.

ADVERTISE YOUR HOTEL IN "THE ST. AUGUSTINE NEWS," The new illustrated society journal published at St. Augustine, Fla. New-York address, P. O. Box 3,193.

CLIFTON HALL, Lakewood, N. J. Open from October to June; third season. Open wood fires, sun parlor, electric bells, &c. M. L. PALMER. J. R. PALMER, Manager.

GREAT PECONIC BAY HOTEL, JAMESPORT, L. I. For sale or to rent; fully furnished; 50 rooms; directly on the bay; best situation on L. I. For terms and full particulars address Capt. E. DOWNS.

THE NEW WINTER RESORT, MARINE HOTEL, Island of Barbados, West Indies. The magnificent steamers of the United States and Brazil Mail Steamship Company stop at Barbados, going and coming. PAUL F. GERHARD & CO., Agents, 84 Broad-st.

WINYAH HOUSE, ASHEVILLE, N. C.—Climatic resorts for invalids suffering from diseases of lungs and throat; fine hotel and first-class sanitarium; open for the winter. K. VON RUCK, M. D.

Miscellaneous.

MEMORY

A NEW PRESENTATION OF THE SUBJECT. Genuine and reliable system strongly indorsed by prominent men. Power of attention developed; mind wandering cured; facility of conversation and command over language acquired. Taught thoroughly by correspondence; independent of classes. Write for prospectus to W. A. EVANS, M. A., 226 Fifth-ave., N. Y.

A PATENT FOR SALE. The owner of a patented Circular Knitting Machine for seamless hosery will sell at a reasonable figure. This machine is one of the best in the market. There is clamping arrangements for clamping needle cylinder, automatic measuring devise and a new yarn take-up. For full particulars or interview address A. E. L., Box 25, Tribune Office.

A FIVE-COLUMN folio 8 page hand press wanted. Must be cheap and in good order. Address M. Y. B., Tribune Office.

PARLOR FURNITURE retailed at wholesale prices by manufacturers, with large assortment of choice frames and coverings. Address FURNITURE, Tribune Office.

PATENTS FOR INVENTORS! Send for Pamphlet. PATRICK O'FARRELL, Attorney at Law, Washington, D. C.

Arnold, Constable & Co.

ANTIQUE CARPETS.

Some Rare Examples of ANTIQUE CARPETS AND RUGS, JUST LANDED.

Broadway & 19th st.

The Latest Designs IN SEAL AND FUR-TRIMMED WRAPS. PERFECT FIT AND EXQUISITE WORKMANSHIP.

A. JAECKEL, Manufacturing Furrier, 11 EAST 19TH-ST. Opp. Arnold, Constable & Co.

It stands unrivalled for SIMPLICITY, STRENGTH AND BEAUTY, and is absolutely free from any liability to get out of order. Sold only at our establishment at factory prices.

J. H. LITTLE & CO., FURNITURE, No. 5 West 14th-st.

DENNIN'S CERTAIN CURE For Rheumatism and Gout. Certain, Safe and Speedy, whether Acute, Sub-Acute or Chronic.

The cure exhibits its most extraordinary powers in relieving in a few days the Rheumatic pains which have gnawed and agonized for years. Sold by druggists, or will be sent by express paid to any address, at $1 50 per bottle or $7 50 per half-dozen.

CHARLES DENNIN, The Pharmacist, First place, cor Court-st., Brooklyn, N. Y.

Business Chances.

A NEW-YORK CORPORATION whose business is such that it cannot possibly handle it outside of New-York City, wishes to arrange with those having from $500 to $10,000 to invest, for the exclusive manufacture and sale of their goods in the larger cities of the United States. The business is of the highest respectability, ranking with the telephone, electric light, etc., and well worthy the attention of those having the necessary qualifications. PETRA CRUSTA CO., 19 East 16th-st., New-York City.

HALF INTEREST in long established business; buyer must have capital, energy and business capacity; good but not extravagant profit. Address NURSERYMAN, Box 20, Tribune Office.

I WISH TO INVEST capital and services in manufacturing business located in healthy town out of N. Y. City. Answer until Nov. 27, "CITIZEN," Tribune Uptown Office, giving location, capital wanted, and kind of business.

INCORPORATED New-York Company requires a young gentleman capable of filling position as assistant secretary; must invest $3,000 in Treasury stock; good salary. Address, with references, H. S., Tribune Office.

Auction Sales.

LEONARD BROTHERS & CO., 290 5TH-AVE.

F. A. LEONAED, AUCTIONEER.

ORIENTAL RUGS AND CARPETS.

ON THURSDAY, NOV. 22, AT 2 O'CLOCK.

A LARGE AND VARIED ASSORTMENT OF CHOICE ANTIQUE AND MODERN ORIENTAL RUGS. WHOLE CARPETS. LATEST DESIGNS AND COLORS—USUAL SIZE.

Legal Notices.

WABASH RAILWAY, RECEIVER'S OFFICE, Chicago, Ill., Nov. 16, 1888.

BY order of the Circuit Court of the United States for the Southern District of Illinois, the undersigned will pay at the office of the Central Trust Company, No. 54 Wall-st., New-York City, on and after the first day of December, 1888, the following described coupons with interest at the rate of six (6) per cent per annum, viz.: Coupons which matured June 1, 1886, upon the first mortgage bonds of the Hannibal and Naples R. R. Co. Coupons which matured July 1, 1886, on bonds of Wabash, St. Louis and Pacific Railway Co., known as Chicago division bonds. Outstanding coupons which matured on the first day of August, 1886, upon first mortgage bonds of the Toledo and Illinois R. R. Co., Lake Erie, Wabash and St. Louis R. R. Co., Great Western R. R. Co. of 1859, Decatur and East St. Louis R. R. Co., and the Illinois and Southern Iowa R. R. Co., also the outstanding coupons which matured August 1, 1886, on second debt bonds of the Wabash Railway Co., secured by pledge of coupons belonging to any of the first mortgage herein before mentioned or belonging to the first mortgage bonds of the Quincy and Toledo R. R. Co., also the outstanding coupons which matured November 1, 1886, on first mortgage bonds of the Quincy and Toledo R. R. Co., and six months' interest on scrip certificates of Wabash Railway Co., issued for unpaid coupons belonging to any of the first mortgage bonds heretofore enumerated. JOHN McNULTA, Receiver.

GEORGE R. COLBY, Secretary.

Ice Cream.

A FACT.—Horton's Ice Cream is made from pure cream. Horton's Patent Super-Frozen Bricks of Ice Cream for Restaurants, Churches, Festivals, &c., will keep hard one hour. Country orders promptly filled. Depots—305 4th-ave., 598 6th-ave., 115 Park row; 110 East 125th-st., New-York; and 453 Fulton-st., Brooklyn.

ADVERTISEMENTS FOR THE NEW-YORK TRIBUNE WILL BE RECEIVED AT THE UPTOWN OFFICES, No. 1,238 Broadway, corner Thirty-first-st., until 9 p. m.; 950 Broadway, between Twenty-second and Twenty-third sts., until 8 p. m.; 270 West Twenty-third-st., corner Eighth-ave.; 157 Sixth-ave., 153 Fourth-ave., corner Fourteenth-st.; 760 Third-ave., corner Forty-sev.-enth-st.; 1,029 Third-ave., near Sixty-first-st.; 1,708 First-ave.; 106 West Forty-second-st.; Ninth-ave. and Sixty-eighth-st., and 69 Liberty-st., and the HARLEM OFFICE, 180 East One-hundred-and-twenty-fifth-st., up to 9 p. m., at regular rates.

FUSSELL'S ICE CREAM.—The standard since 1851. Individual bricks a specialty. Particular attention to out of town orders. Down town depot, 760 Broadway.

Public Notice.

NOTICE.

The Commission for the Revision of the Excise Laws of the State of New-York, will give a hearing beginning on the 19th day of November, 1888, at 10:30 a. m., and continuing thereafter as long as may be deemed necessary by the Commission, at the Court Room, Part 2, of the Court of Common Pleas, in the County Court House, in the City of New-York, to persons desiring to be heard upon questions relating to the present Excise system of the State, and will receive suggestions for the improvement of the same. By order of DANIEL G. ROLLINS, President.

Ocean Steamers.

COMPAGNIE GENERALE TRANSATLANTIQUE, FRENCH LINE TO HAVRE. Company's Pier (new) No. 42 North River, foot of Morton-st. LA BOURGOGNE, Franceul, Saturday, Nov. 24, 8 a. m. LA CHAMPAGNE, Boyer, Saturday, December 1, 3 p. m. LA BRETAGNE, de Jouselin, Saturday, 8, 9 a. m. A. FORGET, Agent, No. 3 Bowling Green.

ANCHOR LINE. U. S. Mail Steamships. GLASGOW VIA LONDONDERRY. from Pier 41, North River, foot of Leroy-st. Furnesia, Nov. 18, 6 a. m. Anchoria, Dec. 1, 3 p. m. Ethiopia, Nov. 24, 8 a. m. Devonia, Dec. 8, 9 a. m. Rates of passage to GLASGOW, DERRY or LIVERPOOL. Cabin, $45 and $55. Second class, $30. Steerage, $20. Travellers' Circular Letters of Credit and Drafts for any amount issued at lowest current rates. HENDERSON BROTHERS, 7 Bowling Green, N. Y.

CUNARD LINE. NEW-YORK TO LIVERPOOL via QUEENSTOWN from Pier 40, North River. FAST EXPRESS MAIL SERVICE. Etruria, Nov. 24, 8 a. m. Etruria, Dec. 22, 7:30 a. m. Gallia, Dec. 1, 3 p. m. Servia, Dec. 29, 2:30 p. m. Umbria, Dec. 8, 9 a. m. Umbria, Jan. 5, 8 a. m. Aurania, Dec. 15, 3 p. m. Bothnia, Jan. 12, 2:30 p. m. Cabin passage, $60, $80 and $100. Intermediate, $35. Steerage tickets to and from all parts of Europe at very low rates. For freight and passage apply to the company, office 4 Bowling Green, New-York. VERNON H. BROWN & CO., General Agents.

NORDDEUTSCHER LLOYD SS. CO. SHORT ROUTE TO LONDON. NEW-YORK, SOUTHAMPTON AND BREMEN. Steamers sail from pier foot 23-st., Hoboken. FAST EXPRESS STEAMERS. Trave, Thurs, Nov 22, 7 a m Werra, Sat, Dec. 1, 2:30 p m Ems, Sat., Nov. 24, 8 a. m. Aller, Wed., Dec. 5, 7 a. m. Lahn, Wed. Nov 28, noond. Saale, Wed. Dec 12, 1 p m First Cabin, $75 and upward a berth, according to location. Second Cabin, $50 a berth. Steerage at lowest rates. OELRICHS & CO., No. 2 Bowling Green.

WHITE STAR LINE. FOR QUEENSTOWN AND LIVERPOOL. ROYAL AND UNITED STATES MAIL STEAMERS. REPUBLIC, Capt. Parsell, Wed., Nov. 21, 6:30 a. m. *CELTIC, Capt. Davison, Wednesday, Nov. 28, noon. GERMANIC, Capt. Irving, Wed., Dec. 5, 6