THE ERIE OBSERVER.

ONE DOLLAR AND A HALF PER YEAR, IF PAID IN ADVANCE.

VOLUME 33. ERIE, PA., SATURDAY MORNING, JANUARY 31, 1863. NUMBER 54.

THE ERIE OBSERVER.

...STATE STREET, OPPOSITE THE POST OFFICE, ERIE, PENNA.

...Single subscribers, if paid in advance ... Clubs of twenty-five $25.—Clubs of fifty $46, and the same rate for larger Clubs.

TERMS OF ADVERTISING:

Ten lines or less make a square.

1 square one week,	$ 75	One square 3 months	$3 00
" two "	1 00	One " 6 "	4 00
" three "	1 25	One " 9 "	5 75

...less no time stated, chargeable at pleasure, $10. ...squares 3 months, $6; 6 months, $8; 9 months ... 12 months, $15.

...20 squares—one year, $70; 6 months, $40; 3 months, $25.

...inserted in the Business Directory at $3 per ... ...rate allowed for a Card, over six, and under ... $5.

Special and Editorial notices, 10 cents a line; but no ... one dollar.

...changes and others requiring frequent changes ... advertisements will be allowed two squares, paper ... card. For additional space, the charges will be in proportion, and the advertisements must be strictly confined to the legitimate business of the advertiser. Payment for transient advertisements required in advance.—Bills for yearly advertising will be presented half-yearly

All communications should be addressed to

WHITMAN & BREUST, Publishers

JAMES I. BRECHT.

BUSINESS DIRECTORY.

PHILIP BENNETT,
Justice of the Peace. Office in the ... Wayne Block, French Street, between Fifth and ... june16-6.

ERIE HOUSE,
MARKET SQUARE, Harrisburg, Pa., Geo. ... PORTER, Proprietor. This old established House has ... changed hands the present season, has undergone ex... improvements and been thoroughly RENOVATED AND REFITTED. We feel confident that it is now not ... to any in the State for the comforts and accommoda... which pertain to a FIRST Class Hotel. feb16—ly.

CLEMENS, CAUGHEY & CO.,
WHOLESALE GROCERS, and Dealers in ... Domestic and Imported Wines and Liquors, also Segars, ... Tobacco, Fruit, Fish, Oil, and Agents for Moffats Buffalo ... Nos. 1 and 2 Commercial Buildings, North side ... Square, Erie, Pa.

JAMES C. REID,
ATTORNEY AND COUNSELLOR AT Law, Erie, Pa. having resumed the practice of his profession ... permanently, will be found at his old Office, on French ... south east corner of Public Square. July 6, '61.

H. W. BUELL, PROPRIETOR.
MORRISON HOUSE,
Second and Market Street—one square east of ... Exchange, Warren, Pa. Sept. 20—ly.

H. M. COLE,
Book Binder, Blank Book Manufacturer, ... second story of Hinderneckt's Block, Erie, Pa.

EDWIN G. WILLIAMS,
ATTORNEY & COUNSELLOR AT Law, Erie Pa.—... State Street, near the Park, in the American ... second story of the building, occupied by F. & M. ... Bank. He will always be found in his office, and ... business punctually attended to.

EXCHANGE HOTEL,
JOHN OTTENHEIMER, Proprietor, ... B. Jones,) 77 Dock Street, Philad'a. feb5—ly.

GEORGE the OUTLER.
ATTORNEY AT LAW, Girard, Erie County, ... Certificates and other business attended to with ... Patents and Despatch.

GEORGE J. MORTON.
FORWARDING and Commission Merchant, ... Dock, Erie, dealer in Coal, Salt, Fish, Flour and ... Plaster.

GRAY & FARRAR,
Wholesale Grocers, and dealers in ... East India Goods, Powder, Shot, Caps, Safety Fuse, ... Tobacco, Cigars, Fish, oil, &c., &c., Nos. 3 and 4, Commercial Buildings, Erie, Pa.
C. GRAY. P. F. FARRAR.

J. C. HERGESS & CO.,
WHOLESALE DEALERS IN GROCERIES AND ... State Street, No. 7 Bonnell Block.

JOHN MEARS & CO.,
FORWARDING and Commission Merchants, ... in Coal, Wood, Flour, and agents for a daily line of ... Lake Steamers, Public Dock, Erie, Pa.

J. W. DOUGLASS,
ATTORNEY AT LAW.—Office removed to ... building west of State Street, on the north side of the ... Erie, Pa.

F. DOWNING,
ATTORNEY AT LAW AND JUSTICE OF THE ... Will practice in the several Courts of Erie County, ... give prompt and faithful attention to all business entrusted to his hands, either as an Attorney or Magistrate. ... Office in Empire Block, corner of State and Fifth ... Erie, Pa.

IDDELL, & WARNER,
MANUFACTURERS of Steam Engines, Boilers, ... Saw Mills, Agricultural Implements, Railroad Cars, ... Erie, Pa.

M. SANFORD & CO.,
DEALERS in Gold, Silver, Bank Notes, ... Certificates of Deposit, &c. Sight exchange on the prin... cities constantly for sale. Office No. 9 Reed House ... Square, Erie.

SWAGER'S
CITY and PASSENGER DEPOT SALOON, ... corner of Ilbert, Street and Pennsylvania R. R. Depot, ... Pittsburgh, Penn. JOHN SAVAGE, Proprietor. Oysters and Refreshments at all hours of the day or night. feb16—ly.

SCOTT & RANKIN,
DEALERS in all kinds of Coal, Salt, Plaster, Flour, ... &c., &c. Public Dock, Erie, Pa
J. H. RANKIN.

J. M. AUSTIN,
DEALER in Clocks, Watches, Fine Jewelry, Silver Spoons, Plated Ware, Looking Glasses, Gilt Mouldings, Cutlery and Fancy Goods, Paragon Building, north side West Park, near Peach st.

T. S. SINCLAIR,
(Successor to Stewart & Sinclair,) ... WHOLESALE AND RETAIL DRUGGIST, Wright's Block, ... State Street, Erie, Pa., Dealer in Paints, Oils, Camphene, ... Stuffs, Glass, Burning Fluid, Brushes, &c.

WM. A. GALBRAITH,
ATTORNEY AT LAW.—Office on State street, ... opposite the Court House, Erie, Pa.

W. E. MAGILL,
DENTIST, Office in Rosen... Block, north side of the Park, Erie, Pa.

L. S. SPENCER, SELDEN MARVIN.
SPENCER & MARVIN
ATTORNEYS & COUNSELLORS AT LAW
OFFICE, Paragon Block, near North ... West Corner of the Public Square, Erie, Pa.

WEDDELL HOUSE,
J. P. ROSS, Proprietor. Cor... of Superior and Bank Streets, Cleveland, O. 29 31.

OLIVER STAFFORD,
BOOKSELLER AND STATIONER, and ... of Blank Books and Writing Ink. South ... of Hughes' Block, State street. march30—1863.

J. RICHENLAUB & CO.
DEALERS IN Boots and Shoes, ... Leather and Findings. Wholesale and Retail, American ... Block, State Street, Erie, Pa. march30—63.

REED HOUSE,
ERIE, PA., A. M. GUILD, Proprietor
The guests of this House shall have every attention, to ... their stay agreeable. Omnibus to and from all ... trains. ...

WALKER & GILSON,
FORWARDING & COMMISSION MERCHANTS, ... Ware House, Public Dock, East of State Street. Canal Ware House at Mail Road Crossing, Erie, Pa. Dealers in Salt, Lime, Plaster, Water Lime, &c.
A Car running to and from Canal Ware House ...

BRADY HOUSE,
JOHN BRADY, Proprietor. Corner of ... and Third Streets, (Immediately fronting the Canal) ... Harrisburg, Pa. Terms reasonable; accommodation ... the best Hotel in the city, and the Bar is ... supplied with the choicest Liquors. ...

JOHN LEES,
MANUFACTURER, and wholesale and ... Retail Dealer in Tobacco, Snuff and segars, foreign and ... domestic. South-east corner of Eleventh and Market ... Streets, under the U. S. Hotel, Philadelphia. feb16—87

J. DERRICKCAKER,
WHOLESALE AND RETAIL DEALER IN ... Provisions Flour and Feed, Wood and ... Willow Ware, Wines, Liquors, Tobacco, Segars, &c., State ... Street, one door South of Fourth, East side, Erie, Pa. ...

ERIE CARBON OIL CO.,
REFINERS AND DEALERS in Oils. ... west of Mill Creek, Erie Pa.

D. P. ENSIGN,
BOOKSELLER and Dealer in Stationery, ... Paper, Magazines, Newspapers, &c. Country dealers ... supplied. Store under Brown's Hotel, fronting the Park. ...

GEORGE WEIMER'S
BARBER SHOP, State street, nearly ... the Post Office.
Lager Beer Saloon attached, where gentlemen can ... by themselves without being annoyed by disorderly ... crowds.

N. FREUND,
BAKER AND CONFECTIONER, Wholesale ... and Retail Dealer in Candies, Crackers, Cakes, &c., "City ... Central Bakery," East Corner of Eighth and State streets, Erie, Pa. [dec6—1y]

HENRY'S HOTEL,
corner of 3d and Market sts., Harrisburg, Pa. ... This old and well-known house is now fitted up in the most improved style. The accommodations are of the best order and the terms reasonable. It is situated in the most delightful part of the city, and affords one of the most pleasant stopping places in the country. feb16'63tf.

JOS. F. GAGGIN,
NOTARY PUBLIC AND GENERAL COLLECTING ... INSURANCE AGENT. Collections and all business intrusted to him promptly attended to. Applications for insurance solicited, and Policies issued without delay, in first class companies. Office, Wright's Block, corner of ... 6th and State streets, Erie, Pa. nov28'62tf.

A. BENTON PETTIS. H. PAGE DAVIS.
PETTIS & DAVIS,
ATTORNEYS AT Law, Chestnut ... Street, Meadville, Pa. Feb. 16—87.'62

JAS. KENNEDY & CO.,
WHOLESALE AND COMMISSION MERCHANTS, ... and dealers in Refined and Crude Oil, Coal, Flour, Plaster, ... etc. Office and Yard on 8th street, near Canal.
J. KENNEDY. [apr18'62y1] E. H. PRATER.

DRS. O. L. ELLIOTT & SON,
DENTISTS.—Office in South ... Park Row, Erie, Pa. All work warranted.
T. J. ELLIOTT [mar16L] O. L. ELLIOTT.

SUGAR CURED HAMS.
If you want the very best Sugar Cured ... HAMS and SHOULDERS in the Market, the place to get ... them is the Banner Store.
aug23 LOOAN, BOOKER & MURRAY.

THE OBSERVER
STEAM PRINTING
ESTABLISHMENT.
Opposite the Post Office, State st.,
ERIE, PA.

RAPID PRESSES,
TASTY JOB TYPES,
CAREFUL WORKMEN

We are constantly making additions to our ... assortment of Types for

JOB PRINTING

And are now fully able to compete with ... Offices outside of the largest Cities. ... Quality of our Work, the Promptness ... is Executed, or the Moderation of our ...

OUR ASSORTMENT OF JOB TYPES
has been selected at the
BEST FOUNDRIES IN THE UNION,
and comprises as to variety the common ...

We are prepared to print all kinds of
MERCHANTS' POSTERS,
CIRCULARS,
PROGRAMMES,
SALE BILLS,
LABELS,
BILL HEADS,
CARDS,
HOTEL REGISTERS,
ORDER BOOKS,
PAPER BOOKS,
BANK CHECKS,
BALL TICKETS,
PAMPHLETS,

In short, everything that can possibly be needed—in as good style, and at as reasonable rates as it can be done by any office in Buffalo or Cleveland.

ANY COLOR, OR ANY NUMBER OF COLORS.

Persons in want of Job Printing, are respectfully invited to give us a call and examine specimens.

LOOK HERE! LOOK HERE
PAPERS AND MAGAZINES.

THE place to get your reading matter is at ... MAY'S NEWS STAND, 10 WEST 3D ST. ... where will be found all the leading publications of the day, embracing, among others, all the principal New York Dailies, N. Y. Ledger, Saturday Courier, Frank Leslie's Paper in English and German, Harper's Weekly and Monthly, Illustrated News, Waverley Magazine, Police Gazette, Boston Pilot, &c. &c.

ALL THE MAGAZINES!
ALL THE FUNNY PAPERS!
ALL THE DAILY PAPERS!
ALL RELIGIOUS PAPERS!

In short every publication that is usually kept on hand by Newsdealers.

GERMAN PAPERS. Criminal Zeitung, Staats Zeitung, New Yorker Demokrat, New Yorker Humorist, Illustrirte Zeitung.

Also, Writing, Letter and Note Paper, Plain and Fancy Envelopes, Steel Pens, Lead Pencils, Rubber Erasers, &c., &c.

R. B. HUBBARD
WOULD respectfully inform his friends and the public generally, that he has commenced a ... Tin, Copper & Sheet Iron Business
in all its varieties, at No. 1, REED'S BUILDING, ... State Street, opposite Wright & Sturdy's, where can be found, at all times, a good supply of everything in that line, together with a large assortment of
Japanned and Britannia Ware,
COOKING & PARLOR STOVES
And House Furnishing Goods generally.
Jobbing and Repairing of all kinds attended to promptly and Strangthy. Roofing, Gutters and Conductors put up at short notice.
To all those in want of anything in my line, I would say give me a call, as I am bound not to be sent in either cheapness or quality of goods. April, 25, 1862.

TO THE LADIES!
A NEW ARTICLE for the Toilet, IN... ORSOLLS PATENT FOUNTAIN HAIR BRUSH, for the speedy dressing of the hair, without soiling the fingers or wasting the preparations used.
THE FOUNTAIN HAIR BRUSH
is guaranteed to effect a saving of one-third in the use of all hair washes, oils, &c., as compared with any other means of applying them. As most of these articles cost from one to two dollars a bottle, this is a matter of some moment.
THE FOUNTAIN HAIR BRUSH
Dresses the hair without soiling the fingers,
It does away with greasy hair oil bottles,
It is a handsomer article than the common hair brush,
It regulates the quantity of fluid used, to a drop,
And is the most desirable toilet article now in use.
For sale in Erie only by JOHN S. CARTER,
oct19'61—1f39. Late Carter & Bro.

A Fact both True and Strange!
THAT no Medical Preparation within our knowledge, put forth for popular use, ever took so readily or spread so rapidly, among all classes, as Carter's Compound Extract of Smart Weed, and is this popularity a transient thing, as is often the case in such medicines, but of increasing favor. Those who joined in its introduction to use in 1859 with increased friendship and confidence in its curative qualities, and now it may safely be doubted if there is a family within any district where it is kept for sale, that has not a bottle of it by them, as a safeguard against the numerous ills to which the flesh is heir.
The sum of the Extract bids fair to be as extensive as he humble weed from which it is obtained.
Jan25'62tf.

PURE WINES & LIQUORS.
TO Medical men and the Public.—I have a stock of choice Wines and Liquors, both foreign and native, embracing all the varieties usually prescribed or called for. Such as Ports, Madeira, Sherry, Malaga, Claret Hock, Claret and native Wines. Scandies: Jamaica and St. Croix Rum; Holland, Scheidam and Pale Apple Gin; Old Rye and Monongahela Whiskey, &c. Among these are some the old Brandies of the vintage of 1834 and '36. Very superior.
Some of these are brought fairly high in price, yet in reality they are much cheaper to the purchaser, and afford best profit to the dealer, than those lower priced or inferior kinds, which are but imitations.
To secure the purity and obtain the finest qualities of these articles every caution that prudence and expert love could suggest have been employed, and so far as it is possible safe and has been secured. The value of purity in this class of articles is so important both to Physicians and invalids, that assurance is only necessary to secure their attention. nov20'61tf. JNO. S. CARTER.

USE DALLEY'S
MAGICAL
PAIN EXTRACTOR.

THE ONLY TRUE PAIN EXTRACTOR IN THE WORLD.

DALLEY'S PAIN EXTRACTOR will cure wounds of all kinds.
DALLEY'S PAIN EXTRACTOR will subdue all external inflammation.
DALLEY'S PAIN EXTRACTOR will prevent and destroy Mortification.
DALLEY'S PAIN EXTRACTOR will cure burns of all kinds.
DALLEY'S PAIN EXTRACTOR heals blisters free of pain or mark.
DALLEY'S PAIN EXTRACTOR neutralizes all Poisons inflicted by Animals, Insects or Reptiles.
DALLEY'S PAIN EXTRACTOR will cure broken Breasts, Sore Nipples, Piles, &c.
DALLEY'S PAIN EXTRACTOR will cure Salt Rheum, Scrofula, Scald Head.
DALLEY'S PAIN EXTRACTOR will cure chapped hands, chill blains, &c.
DALLEY'S PAIN EXTRACTOR will cure Corns, Chilblains, Ulcers, Warts, Boils, &c.
No Housekeeper should ever be without a box handy for use. The timely use of a single box may prevent more value than 100 times its cost.
Farmers!—If you have a son in the Army, send him a Box of Dalley's Pain Extractor. It may be of immense service to him, and perhaps save a life. Keep a Box of Dalley's Pain Extractor by you, for use in case of accidents of all kinds, and it may be the means of saving your own life.
Soldiers!—If you have a friend in the Army, send him a Box of Dalley's Magical Pain Extractor! There is no expense of saving a life. If you have no opportunity for sending it, send it by mail. It will cost you but 9 cents postage for a 25 ct. Box; and in like proportion for 50 cts. and $1,00 Box. The large boxes contain, nearly the money than the 25 ct boxes.
Soldiers.—That DALLEY'S MAGICAL PAIN EXTRACTOR will do all and even more than we claim it will, we refer to Dr. VALENTINE MOTT, and hundreds of other eminent Physicians and Surgeons, besides millions of people all over the land, who have used the Extractor with never failing success for the past 20 years.
For sale by all Druggists and Dealers.
HALL & RUCKEL, Wholesale Agents,
218 Greenwich Street, New York.
Who will send a Box of either size, Postage paid, to any address in the United States, on receipt of the money or in Postage Stamps, of 25 cts. for the small size, or 50 cents and $1,00 for the medium and large sizes.

A FACT GENERALLY KNOWN,
THAT the variety of new style Bedsteads, for Sabbie, Cottage, Congress, Round Corner, Pillar, Sofa, Pillar Top and other patterns, with patent improved metallic bands, manufactured, Extension, Dining, Breakfast, Centre and other Tables, Washstands, Quaker Stands, Carpet and Damask Hangers, Sofa Beds, Hair and Sea Grass Mattresses, Feather Beds and Bolsters with other assortable furniture, &c., all manufactured from well seasoned lumber and healthy materials, by experienced workmen at the lowest cash prices. Quality and low prices I will defy. Call and two-price dealers to undersell me. Feathers bought and sold. Cane seat, Parlor, Bedroom, Rocking, Sewing, Nurse and other Chairs, of Eastern and Western manufacture, are always displayed and glued, making them as strong as any other part of the chair where workers made and sold are only nailed, and by no means durable. Wood Windsor, Rocking, Sewing and Nurse, are chairs of hard wood rounds clinched through the seat and glued, warranted to stand. Rubbishly painted, and can't be beaten for strength, price and finish. Spring Beds. I have sold over 300 and have the highest testimonials with a list of prices of all goods sent on application. Packing and shipping free.
After six years experience and contending with unprincipled two price dealers, I am determined to sell cheaper to all, give worth for your pay, and do justice to all who trade with me.
Lumber, Lath, Shingles, Live Stock, Coal and Refined Oil, Store Pay Produce, &c., taken at fair market value for pay. Remember the place, next corner of 6th street on State, Erie, Pa. to W. ELLSEY
nov7'62 Manufacturer and Commission Salesman.

STRAY COW.
CAME to the residence of the subscriber, some time about the 7th day of this month, a RED COW about two years old. The owner is hereby requested to come and prove property, pay charges and take her away, otherwise she will be disposed of according to law. [nov22w3*] WARREN ELDOT.

YOUNG MEN'S CHRISTIAN ASSOCIATION.
Lecture Course for 1862 and 1863.
THE above course of twelve lectures will commence at Farrar Hall, Wednesday evening, Dec. 1st, with a literary entertainment by the celebrated Dramatic Reader and Elocutionist, JAMES E. MURDOCH, Esq., to be followed by other distinguished gentlemen during the winter.
Tickets to the "COURSE" can be had at Kreider's, where a diagram of the Hall can be seen on and after Monday, Nov. 24th, and also received for the season Price of Season Tickets, 1 ticket $2, do $3.75, 3 do $5.25, 4 do $7, 5 do $8. Single tickets to each lecture 25 cents. Doors open at 7. nov22-61

FOR THE WINTER TRADE!
WOOL, LONG AND SQUARE SHAWLS,
BEAVER MANTLES,
MERINOS, EMPRESS CLOTHS, RIPS,
AND MEDIUM AND
LOW PRICED DRESS GOODS,
FLANNELS, BLANKETS,
AND A
LARGE STOCK OF DOMESTIC GOODS,
IN STORE AND BEING RECEIVED, BY
WM. P. HAYES & CO.,
NO. 8 REED HOUSE.
nov22tf

P. ARBUCKLE,
Attorney at Law & Notary,
HAS ON HAND AND IS DAILY RECEIVING
A LARGE AND
COMPLETE STOCK
OF
Boots and Shoes!
IN ALL VARIETIES,
AT THE
LOWEST NETT PRICES.
The business will be conducted by WM. M. ARBUCKLE, who has returned to Erie with a view to become a permanent resident, and tenders to the trade generally and to his old friends an invitation to call and examine the above.
STOCK AT No 16,
North-West Corner of the Park and Peach Street,
Sept. 20 tf ERIE, PA

OLD FRIENDS
IN THE RIGHT PLACE.
HERRICK'S SUGAR COATED
PILLS.
The best family cathartic to the World, used twenty years by
FIVE MILLIONS
of persons annually, always to give satisfaction; contains nothing injurious; prescribed by the principal physicians in the UNION; elegantly sealed with sugar. Large Boxes 25 cents; Five Boxes one dollar. Puff Boxes 10 cents each but not Warranted superior to any Pills before the public.
HERRICK'S
KID STRENGTHENING PLASTERS
Cure in five hours, pains and weakness of the breast, side and back, and Rheumatic complaints in equally short periods of time. Spread on beautiful white kid or chamois skin, their use subjects the wearer to no inconvenience, and continue well even one week to three months.—Price 25 cents.
Herrick's Sugar Coated Pills and Kid Plasters are sold by Druggists and Merchants in all parts of the United States, Canadas and South America, and may be obtained by calling for them by their full name
jo28'62y1 Dr. L. R. HERRICK & Co., Albany, N Y

Iron City College
PITTSBURG, PA. Fifth Street.
THE Largest Commercial School of the United States, ... of nearly 3,000 students in five years, from ... CARNEGIE, PHILLIPS & CARNEGIE, and the only one which affords complete and reliable instruction in all the following branches, viz: Book-keeping, Penmanship, Mercantile Calculations, Steam Boat, Rail Road and Bank Book Keeping.
FIRST PREMIUM
Plain and Ornamental Penmanship; also, Surveying, Engineering and Mathematics generally.
$25.00 Pays for a Commercial Course; Students enter and review at any time. Ministers' sons' tuition at half-price.
For Catalogues of 36 pages, Specimens of Business and Ornamental Penmanship, and a Beautiful College View, engraved on Steel, exhibiting a great variety of Writing, Lettering and Flourishing, inclose 24 cents in stamps to the Principals, JENKINS & SMITH,
may7'62-1y. Pittsburg, Pa.

HARTFORD FIRE INSURANCE CO.,
HARTFORD, CONNECTICUT.
INCORPORATED 1810. CAPITAL $500,000.
H. HUNTINGTON, Pres't. T. G. ALLYN, Sec'y.

CITY FIRE INSURANCE COMPANY,
HARTFORD, CONNECTICUT.
INCORPORATED 1849.— CAPITAL $250,000
T. S. HOWES, Pres. T. G. WARE, Sec'y.
INSURANCE in the above old and well known Companies can be obtained on application to
E. W. RUSSELL, Agent.
March 25

Spencerian Brand of Pens
NATIONAL
COMMERCIAL COLLEGES
INCORPORATED BY THE LEGISLATURE OF PENNSYLVANIA.
S. E. Corner of 9th and Chestnut streets,
PHILADELPHIA,
NEW YORK CITY, BROOKLYN, ALBANY, TROY, BUFFALO, DETROIT, CLEVELAND, CHICAGO, AND ST. LOUIS.
Book-keeping, Penmanship, Commercial Arithmetic, Commercial Law, Forms, Correspondence, &c., practically taught.
These Colleges are now under the same general and special management, and pushing forward the educational work of the day, with greater facilities for imparting instruction than any other similar institution in the country.
A Scholarship issued by the one to good for admission in the others, at any time, for an unlimited time.
The Philadelphia College has been recently enlarged and refurnished in a superior manner, and is now the largest and most prosperous Commercial Institution in the State.
The Penmanship Department is conducted by the Proprietor of Spencerian Copy Books, author of Spencerian Compendium of Arithmetic, and Commercial Arithmetic, and publisher of Spencerian Compendium of Penmanship, and author of Spencerian Key, &c.
Ornamental Penmanship, Flourishing, Lettering, Ornamenting, Card Writing, Marking, Drawing, Engraving, Bird's-eye View Sketching, Mechanical Drawing, Surveying, Navigation, Phonography, Telegraphing, French, German, Spanish, Latin, Greek, Hebrew, Algebra, Geometry, Trigonometry, Conic Sections, Analytics, Calculus, Natural Philosophy, Chemistry, Astronomy, Geology, Mineralogy, Botany, Physiology, Rhetoric, Logic, Moral Philosophy, Political Economy, Constitutional Law, Civil Engineering, Architecture, Mechanics, Assaying, Metallurgy, Practical Surveying, Practical Navigation, Practical Gauging, Practical Assaying, Practical Metallurgy, Practical Mining, Practical Engineering, Practical Architecture, Practical Mechanics, Practical Chemistry, Practical Astronomy, Practical Geology, Practical Mineralogy, Practical Botany, Practical Physiology, Practical Rhetoric, Practical Logic, Practical Moral Philosophy, Practical Political Economy, Practical Constitutional Law, Practical Civil Engineering, Practical Architecture, Practical Mechanics