

SPECTRUM ANALYSIS.

What it has Done for Physics, Chemistry, and Astronomy. By spectrum analysis is not understood in physics a spectre or ghostly apparition, as the verbal interpretation of the word might well lead one to suppose, but that beautiful image, brilliant with all the colors of the rainbow, which is obtained when the light of the sun, or any other brilliant object, is allowed to pass through a triangular piece of glass—a prism.

WASHINGTON IN WAR TIME.

John Hay, the well-known private Secretary of President Lincoln, lectured in Troy, Tuesday night. His lecture is highly praised by the local press. From the report of the *Whig*, we take the following reference to the young hero who sleeps on the hillside at Mechanicsville: Of these he could only mention two—Baker and Ellsworth. Paying an eloquent tribute to the former, he said that Ellsworth it had often been remarked, "It was well for his fame that he died when he did," and that his death was the result of his own recklessness.

New Advertisements.

H. FRANCISCUS & CO., 513 MARKET STREET, PHILADELPHIA. We have opened for the FALL TRADE, the largest and best assorted stock of PHILADELPHIA CARPETS Table, Stair and Floor Oil Cloths, Window Shades and Paper, Carpet Chain, Cotton, Yarn, Baiting, Wadding, Tins, Wick, Clocks, Looking Glasses, Fancy Baskets, Brooms, Baskets, Brushes, Closets, Trunks, Wood and Willow Ware in the United States.

SEELY & OSBURN, Successors to H. W. Seely, BRIDGE STREET ROCHESTER, PENN'A. Dealers in GROCERIES, PROVISIONS, QUEENSWARE AND NOTIONS. Cash paid for Farmers' Marketing. 1719-17.

\$5 A VALUABLE INVENTION! \$5 AN ENTIRELY NEW Sewing Machine! FOR DOMESTIC USE. Only Five Dollars! With the New Patent Button Hole Worker. The Most Simple and Compact in Construction. The Most Durable and Economical in Use. A Model of Combined Strength and Beauty.

BROOKS SEWING MACHINE CO., No. 1329 BROADWAY, NEW YORK. CLAIM AGENCY, OLDEST IN THE STATE. B. F. BROWN & CO., 116 SMITHFIELD STREET, PITTSBURGH, PA. Collect Pensions, Bounties, Prize Money, &c. Special attention paid to suspended and rejected claims. Applications by mail attended to as usual in person.

BAILIFF & BROWN, PLUMBERS, GAS AND STEAM PIPE FITTERS NO. 55 FEDERAL STREET, ALLEGHENY CITY. Agitators and Tanks lined by a new process, with Hydro-Atmospheric Blow Pipe. feb17-1

LAPIERRE HOUSE, No. 48 MARKET STREET, PITTSBURGH, PA. OPEN DAY AND NIGHT. The best Brands of WINES, LIQUORS, ALE, BEER, &c., always on hand in the Bar. Oysters stewed in every style. C. B. STEIN, Proprietor. feb17-1

MELCHIOR HASLEY, Manufacturer and Dealer in BOOTS, SHOES AND GAITERS OF EVERY VARIETY. NO. 188 FEDERAL STREET, ALLEGHENY CITY, PA. Particular attention paid to Custom Work. feb17-1

JOHN M. BUCK & CO., Agents for James E. Stanbury's Celebrated BALTIMORE OYSTERS. ALSO DEALERS IN CAN, BUCKET AND SHELL OYSTERS, ALL KINDS FRESH FISH, GAME, CANNED FRUITS, &c., &c. 184 Liberty st. & 44 Diamond Market, PITTSBURGH, PA. Orders solicited and promptly filled at lowest price. feb17-1

BOOTS! BOOTS!! BOOTS!!! AND SHOES! SHOES!! SHOES!!! If you want to SAVE MONEY, buy your Boots, Shoes, and Gaiters at 173 FEDERAL ST., ALLEGHENY, 3 doors above Sample's Dry Goods Store. Men's Boots, \$2.75 to \$5.00. Boys' Boots, 1.75 to 3.00. Youth's Boots, 1.50 to 2.50. Men's Gaiters, 1.25 to 2.00. Boys' Gaiters, 1.75 to 2.50. Ladies' Shoes, 1.75 to 2.50. Misses' Shoes, 1.25 to 2.00. Children's Shoes, 50 to 1.50. Ladies' Gaiters, 1.25 to 2.00. Misses' Gaiters, 1.25 to 2.00. Men's Heavy Shoes, 1.25 to 2.00.

W. C. SLAUGHTERBECK, 173 Federal street, Allegheny. READ BY EVERYBODY. THE BEAVER RADICAL.

Insurance. CHAS. B. HURST, INSURANCE and GENERAL AGENCY, (NEAR THE DEPOT.) ROCHESTER, PA. Fire Life and Accident Insurance. NOTARY PUBLIC, CONVEYANCER, AND REAL ESTATE AGENT.

ANCHOR AND NATIONAL LINES OF OCEAN STEAMERS—ADAMS AND UNION EXPRESS COMPANY'S AGENCY. Fire, Life and Accident Policies written at fair rates and liberal terms. Deeds, Mortgages, Agreements, &c., correctly written. Depositions and Acknowledgments taken. Passengers booked to and from all parts of England, Ireland, Scotland, France and Germany. Money and goods forwarded to all parts of the United States and Canada.

ETNA INSURANCE CO., OF HARTFORD, CONN. CASH ASSETS, \$6,000,000. Established in 1819—Wealthiest and most reliable Company in the World. "By their Fruits ye shall know them." Losses Paid to Jan. 1st, 1871, \$28,000,000.

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HOME LIFE INSURANCE CO., OF NEW YORK. CASH ASSETS, \$3,500,000. TRAVELERS LIFE AND ACCIDENT INSURANCE CO., OF HARTFORD, CONN. CASH ASSETS, \$1,500,000. Paid losses, since its organization, of over \$700 a day, for death and injury.

Representing the above first class Companies, acknowledged to be among the best in the world, and possessing a gross Cash Capital of over Sixteen Millions of Dollars, I am able to take Insurance in departments, and Policies issued without delay. Losses liberally adjusted and promptly paid. Insure to-day. By one day's neglect or delay you may lose the savings of years. Delays are dangerous, and the uncertainty of Insure to-day. Insure to-day. Insure to-day. Insure to-day. Quality also is of the utmost importance. The low price, without article always proves the dearest. Therefore, look to Quality as the paramount consideration of Insurance. Look to wealth and credit for indemnity. The Best to the Cheapest. "As you sow that you shall reap." Grateful for the very liberal patronage already bestowed, I flatter myself, by strict attention to a legitimate business, not only to merit a continuance of the patronage, but by the facilities and inducements I am now enabled to offer, for a large increase during the present year. Mr. S. A. CRAIG is duly authorized to take applications in adjacent boroughs and parishes. CHARLES B. HURST, Insurance and General Agent, 1610-71 Near the Depot, Rochester, Penn'a.

LANCASTER INSURANCE COMPANY! LANCASTER, PA. HON. THOS. E. FRANKLIN, Pres. B. F. SHENK, Treasurer. EDWARD BROWN, Secretary.

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INSURES DWELLINGS, MERCHANDISE, FARM PROPERTY, CHURCHES, SCHOOL HOUSES, MILLS AND FACTORIES. And all other FIRE RISKS taken at as low rates as any first class Company can afford. Losses PROMPTLY ADJUSTED AND PAID. Terms Policies issued on Dwellings, farm property, &c., at LOW RATES. And Policies liberal in other terms. Apply to CHAS. B. HURST, Agent, ROCHESTER, PA. apr29-70-1

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INSTANT RELIEF FOR THE ASTHMA. Having been afflicted with that terrible complaint, completely unfitting me for business for weeks at a time, for the last twelve years, and at last found a Remedy that gives INSTANT AND COMPLETE RELIEF, I have concluded to have it prepared for sale, so that others similarly afflicted can receive the benefit of it, assuring them that it will do all, and more, than is promised for it, and that persons once using will never be without it, as so numerous others who have tried it can testify. It can be had at the Drug Store of WILLIAM L. BURKINHOPE, Rochester, Pa., or will be sent by mail to any part, enclosing \$1, and ten cents for postage, and addressing CHAS. B. HURST, 1610-71-17 Rochester, Beaver county, Pa. nov18-70-17

READY FOR CHRISTMAS. We have received an elegant stock of WATCHES, CHAINS AND FINE BRACELETS, DIAMOND PINS, EAR RINGS, STUDS AND RINGS, CORAL, STONE, GEM, AMATHYST, TOPAZ, ONYX AND GOLD SETS OF JEWELRY, FINE NECKLACES AND LOCKETS, SILVERE BUTTONS, STUDS COLLAR BUCKLES, GENTS' PINS, GOLD AND SILVER HEAD CASES, SOLID SILVER AND SILVER PLATED WARE, VASES, TOLLETS, CRISTIAN MARBLE AND FANCY GOODS, All suitable for Holiday Presents, and will be sold low at WATKINS & SHEPHERD, 101 Fifth Av., Pittsburgh, Pa. dec-1m.

\$250 A MONTH, \$250. WE WANT 10,000 AGENTS, MALE OR FEMALE. To make the above amount, selling BRIDE'S COMPENSATING NEEDLE CASES AND FORTY MONNIE. This is an article of absolute necessity with every lady, and pays a large profit. For Circular and terms address PITTSBURGH SUPPLY COMPANY, Pittsburgh, Pa. dec-3m.

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BEAVER DEPOSIT BANK OF BEAVER, PA. EBEN ALLISON, Cashier. COLLECTIONS PROMPTLY MADE AND REMITTED. CORRESPONDENCE AND ACCOUNTS SOLICITED. INTEREST PAID ON TIME DEPOSITS. EXCHANGE, SECURITIES, &c., BOUGHT AND SOLD. Office hours from 9 A. M. to 4 P. M. my31-72

P. BENTEL & CO., BANKERS AND BROKERS, FREEDOM, PA. Are now prepared to do a general Banking and Broker business. Notes discounted, Government bonds and other securities bought and sold, and collections made on all accessible points in the United States and Canada, receive money on deposit. Interest allowed on time deposits. Office hours from 9 A. M. to 4 P. M. Saturdays from 9 A. M. to 9 P. M. Jan. 26, 1872-6m. C. H. BENTEL, Cashier.

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ETNA Insurance Co. HARTFORD, CONN. PAID UP CAPITAL, \$3,000,000. CASH ASSETS, \$5,549,504.97. TOTAL LIABILITIES, \$256,068.89. NET ASSETS, \$5,293,436.08. CHARTERED IN 1819. BY THEIR FRUITS YE KNOW THEM. Losses paid in 51 years, \$26,058,647.18. Look to wealth and worth for indemnity. Look to quality as the paramount consideration of Insurance, for too frequently the cheapest rate is only the index of the poorest insurance. The stability of wealth, liberality, and straightforward character of the ETNA, and its promptness in the payment of losses during the past 51 years, claim the appreciation of all business men. Applications received and Policies written at the most liberal terms. CHAS. B. HURST, Agent, ROCHESTER, PA. feb7-70-17

ENTERPRISE SALOON AND RESTAURANT. OPEN DAY AND NIGHT. MEALS AT ALL HOURS. No. 19 SIXTH ST., (late St. Clair.) feb10-71-17 PITTSBURGH. NEAL McCALLION

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