#### THE SPECTROSCOPE.

From the Atlantic Almanas for 1870.

As several wonderful discoveries have lately been made in astronomy by means of the spectroscope, an account of this instrument and of its applications will not be without interest.

Since an early period in the history of shemistry, it has been known that the different alkalies and alkaline earths can be distinguished by the different colorations which they give to the flame of alcohol. Soda turns the flame yellow, potassa violet, lithia crimson, strontia crimson, lime orange, and baryta green. Magnesia does not color the flame. Many years ago Sir John Herschel and others experimented upon these lights with a prism. It is well known that when a ray of light from the sun or a lamp, after passing through a narrow slit, is refracted in a direction perpendicular to the alit, it is not all equally bent, but that part is bent less and part more, so that the light is dispersed and spread out into a rainbowcolored spectrum. The red light is the least refracted, and the violet light the most. This experiment is a part of the proof that white light is composed of red, yellow, green, blue, indigo, and violet. Now, when Herschel and other investigators passed the light from the alcohol flame, colored by alkalies, through a slit and a prism in the same way, they found that the light was not spread out into a continuous spectrum from red to violet. The yellow light derived from soda was not dispersed at all, but was all equally refrangible. Such light is called monochromatic, or single-colored, because it is not composed of light of different colors; and in a room illuminated by such light it is impossible to distinguish colors in the least degree; but objects which by daylight present the strongest contrasts in colors, by such a light are precisely alike in that respect. In the case of the other substances the spectrum is not reduced to a single line, nor is it continuous, but it consists of several narrow lines of different colors, separated by black spaces. These were the first chemical experiments with the spectroscope; they did not immediately lead to any great discoveries, on account of the imperfect methods in which further investigations were conducted.

Accordingly, this instrument never attracted much attention until 1860, when the researches of Kirchhoff and Bunsen were published. From this time may also be dated a new era in chemistry and astronomy. Kirchhoff was a young physicist, little known before; Bunsen, an eminent chemist. The lame they made use of was that of the Bunn gas-burner, which is much better suited spectroscopic work than that of alcohol, oth on account of its greater heat and also om its freedom from sodium and other impurities, which impart a color to the flame. They proved, in a more rigorous manner than former experimenters had done, that the lines of the spectrum depend solely on the constituents of the flame, and not upon its temperature. They also showed the extreme delicacy of spectroscopetest in many cases. A platinum wire, which has been cleaned by being kept at a white heat until all that could be volatlized in the flame has been driven off, if after cooling it is passed once through the fingers or any cloth, or even is allowed to remain untouched for some time, will, when put into the flame, impart to it the pure yellow light which is characteristic of sodium. This shows that there is common salt floating about in the air of all our houses, and resting upon everything -a fact quite unsuspected before.

But what drew the most particular attention to these researches was the discovery by Bunsen, by means of the spectroscope, of two new metals. For many years no new elements had been discovered, but, on the contrary, great doubt prevailed as to the existence of those last added to the list-pelopium, norium, and terbium. The establishment of the existence of another element was regarded as a labor of many years; yet in one year rubidium and cosium, the metals discovered by Bunsen, were better under-stood in their chemical relations than a dozen others. The reason of this was that the spectroscope afforded a means of securing the purity of the new substances, which is lways the most difficult part of such investigations. Furthermore, the small proportion (about 1-50000th of one per cent.) which the new elements occurred in the mineral water in which they were found, made their discovery very surprising. Of course, all this created a great sensation in the scientific world, and the spectroscope was soon found in every laboratory. Two other metals, thallium and indium, have since been discovered by means of it; with the same circumstances of being found in extremely small proportions, and of becoming quickly very well understood. But the chemical discoveries of the spectroscope were soon to be outdone by its performances in the realm of astronomy.

The optician Fraunhofer, in 1814, upon

observing the spectrum of the sun with a carefully constructed spectroscope, had observed that it was crossed everywhere with very fine black lines, irregularly distributed, of which he mapped some six hundred. It had been asserted that the most conspicuous of these lines, called D, corresponded in position with the yellow line of sodium. Kirchhoff found that this was precisely true, and demonstrated by a long mathematical process that, in general, a body cannot be transparent to the same rays as those with which it shines. Consequently, the precise coincidence of the yellow sodium line and the line D of the sun's spectrum could be accounted for by supposing that incandescent sodium vapor existed in the atmosphere of the sun, which absorbed this yellow part of the light emitted from the solid sun beneath. In order to obtain the spectra of the heavier

metals they were made the electrodes of a Ruhmkorf coil, whereby a heavy electric spark was made to pass from one piece of such metal to another. This spark gives the spectrum of the metal in the greatest perfecion. By comparing the spectra of the metals thus obtained with the solar spectrum, fourteen of them have been detected in the solar atmosphere, which also contains hydrogen.

Fraunhofer had remarked that the lines in the spectra of several fixed stars were not the me with those in the spectrum of the solar As soon, therefore, as the cause of hese lines became known, several observers began to study the spectra of the stars. Only few of the stars have been subjected to a horough examination. In Aldebaran have een found hydrogen, sodium, magnesium, alcium, iron, bismuth, antimony, telluium, and mercury. In Betelgeux (a Orionis) ave been found sodium, magnesium, calum, iron, and bismuth. Both of these are red tars. The white stars, such as Sirius and Vega, have much fewer and fainter lines. Setelgeux shows some singular shaded bands esides its lines. It is a variable star, and he same bands are shown by several other ariables. This circumstance does not afford as an explanation of the variability of stars. ut it is supposed that it is owing to a phenomenon like that of sun-spots on a much more

exaggerated scale. The sun-spots increase in number for five and a half years, and then diminish for five and a half years,

We are still far from being able to explain the solar spots, and the periodicity of their frequency. But the beginning of an explanation seems to have been made by Mr. Lockyer by means of the spectroscope, Among other points observed by him is a thickening of some of the dark lines in a spot, and this effect would be produced by a greater atmospheric pressure in the spot. He regards a spot as the seat of a down-rush in

the atmosphere of the sun. The variety of information afforded by the spectroscope is illustrated by an observation made some time ago by Mr. Huggins. He found that the lines in Sirius (or at least one of them) were displaced: and this displacement is explicable by supposing that Sirius is moving away from the sun with a velocity equal to four times the velocity of the earth in its orbit. Similar displacements have been observed by Mr. Lockyer in some lines in the solar spectrum, and are explained by the supposition of currents in the solar atmosphere.

The nebulas also have been subjected to spectroscopic examination, and have been found to be of two distinct kinds. shapeless ones, the "rays," round nebulosities about stars, and the great nebula in Andromeda, show extremely faint continuous spectra, which probably show that these nebulas are really clusters of stars. On the other hand, those which have the form of rings, spirals, and disks, together with the great nebula in Orion, have spectra which consist of one, two, three, or four bright lines, and therefore are certainly gaseous. Several of these, however, show a faint continuous spectrum in addition to their gas lines. There is little or no reason for thinking that any of these distant gases are such as are known to us on earth, and some of them are certainly different from any that we know.

Since the application of the spectroscope to astronomy no great comet has appeared; but several minute faint and tailless telescopic objects moving in eccentric orbits about the sun have been examined. These have all shown a gaseous spectrum, the gas in two cases containing carbon, and in another showing a line apparently coincident with one

of the nebula-lines. The spectrum of the aurora borealis has often been examined. It is not always the same, but it usually shows a greenish-yellow bright line. In addition to this, six other lines or bands have been seen in this spectrum at the Observatory of Harvard College. All this indicates that the luminous substance is some gas unknown to chemists. The aurora is connected with the earth, but is above the ordinary atmosphere. This gas must, therefore, be very light to extend up so high, but by the laws of gaseous diffusion it must reach down to the surface of the earth. Owing to a law of chemistry, called the law of vaporvolumes, a very light gas enters into combination in very small proportions, and it is by no means improbable that the small proportions in which this gas exists in its compounds may account for its not having been discovered

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rives in Reading at 8 P. M., and at Pottaville at 9:40 Y. M. Trains for Philadelphia leave Harrisburg at 8:10 A. M., and Pottsville at 2 A. M., arriving in Philadelphia at 1 P. M. Afternoon trains leave Harrisburg at 2 P. M., and Pottsville at 2 45 P. M., arriving at Philadelphia at 6 45 P. M.

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for Pittsburg, Chicago, Williamsport, Elmira, Balti-more, etc.

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change.

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by special contract. EDWARD H. WILLIAMS, 4 29 General Superintendent, Altoona, Pa. NORTH PENNSYLVANIA RAILROAD, — FOR Bethlehem, Doylestown, Mauch Chunk, Easton, Williamsport, Wilkesbarre, Mahanoy City, Mount Carmel, Pittston, Tunkhannock, and Scranton.

Passenger Trains leave the Depot, corner of BERKS and AMERICAN Streets, daily (Sundays excepted) as follows:—

cepted) as follows:— At 745 A. M. (Express) for Bethlehem, Allentown, Mauch Chunk, Hazleton, Williamsport, Wilkesbarre, Mahanoy City, Pittston, and Tunkhannock.
At 945 A. M. (Express) for Bethlehem, Easton, Allentown, Mauch Chunk, Wilkesbarre, Pittston, Scranton, and New Jersey Central and Morris and Essex Railroads.
At 145 P. M. (Express) for Bethlehem, Eastor, Manch Chunk, Wilkesbarre, Pittston, Servanton, and New Jersey Central and Morris and Essex Railroads. Mauch Chunk, Wilkesbarre, Pittston, Scranton, and At 5:00 P. M. for Bethlehem, Easton, Allentown,

and Mauch Chunk.
For Doylestown at 8:45 A. M., 2:45 and 4:15 P. M.
For Fort Washington at 6:45 and 10:45 A. M., and 30 P. M. For Abington at 1-15, 3-15, 5-20, and 8 P. M. For Lansdale at 6-20 P. M. Fifth and Sixth Streets, Second and Third Streets, nd Union City Passenger Railways run to the new

TRAINS ARRIVE IN PHILADELPHIA.
From Bethlehem at 9.00 A. M., 9.10, 4.45, and 8.25 M. From Doylestown at 825 A. M., 455 and 705 P. M. Fram Lansdale at 739 A. M. From Fort Washington at 920, 1035 A. M., and

From Abington at 2:35, 4:35, 6:45, and 9:35 P. M. ON SUNDAYS. ON SUNDAYS.

Philadelphia for Bethlehem at 9:00 A. M.
Philadelphia for Doylestown at 2 P. M.
For Ahington at 7 P. M.
Doylestown for Philadelphia at 6:30 A. M.
Bethlehem for Philadelphia at 4 P. M.
Abington for Philadelphia at 8 P. M.
Tickets sold and Baggage checked through at
Mann's North Pennsylvania Baggage Express
Office, No. 105 S. FIFTH Street.
ELLIS CLARK, Agent.

W EST JERSEY RAILROADS.
COMMENCING TUESDAY, SEPTEMBER 21, 1969.
Leave Philadelphia, foot of Market street (Upper Ferry), at 8:15 A. M., Mail, for Bridgeton, Salem, Millville, Vineland, Swedesboro, and all intermediate sta-

tions.
16 P. M., Mail, for Cape May, Millville, Vineland, and way stations below Glassboro.
16 P. M., Passenger, for Bridgeton, Salem, Swedesboro, and all intermediate stations.
17 Westbory and Glassboro accommodations. 5-20 P. M., Woodbury and Glasaboro accommoda-

tion.
Freight train for all stations leaves Camden daily, at 12 o'clock, noon. Freight received in Philadelphia at second covered wharf below Walnut street.
Freight delivery at No. 223 South DELAWARE Avenue. Commutation tickets at reduced rates between Philadelphia and all sintions. WM. J. SEWELL, Superintendent, September 16, 1869. 9 20

RAILROAD LINES.

PHILADELPHIA, WILMINGTON, AND BALTI-MORE RAILROAD, TIME TABLE. Trains will leave Depot corner Broad street and Washingwill leave Depot corner broad street and Washington svenue as follows:

Way Mail Train at 8:30 A. M. (Sanday excepted), for Haltmore, stopping at all regular stations. Connecting with Delaware Railroad at Wilmington for Cristicia and intermediate stations.

Express Train at 12 M. (Sundays excepted), for Cristicia and washington for Cristicia was washington stopping at the control of the contro

Express Train at 12 M. (Stindays excepted), for Partyville, and Havre-de-Grace. Connects at Wilmington, Perryville, and Havre-de-Grace. Connects at Wilmington with train for New Castle.

Express Train at 4 90 P. M. (Sundays excepted), for Baitimore and Washington, stopping at Cliester, Thurlow, Linwood, Claymont, Wilmington, Newport, Stanton, Newark, Elikton, North-Fast, Charlestown, Perryville, Havredge, Perrysian. Perryville, Havre-de-Grace, Aberdeen, Perryman's, Begewood, Magnolia, Chase's, and Stemmer's Run.
Night Express at 11:30 P. M. (daily), for Baltimore and Washington, stopping at Chester, Thurlow, Linwood, Clayinoni, Wilmington, Newark, Eikton, North-East, Perryville, Havre-de-Grace, Perryman's, and Magnolia. and Magnolia.

Passengers for Fortress Monroe and Norfolk will tage the 1200 M, train.

State WILMINGTON TRAINS. Stopping at all stations between Philadelphia and

Vimington. Leave Philadelphia at 11:06 A. M., 2:30, 5:00, and 5:00 P. M. The 5:00 P. M. Train connects with Dela-vare Railroad for Harrington and intermediate stations.
Leave Wilmington 6:30 and 8:48 A. M., 1:30, 4:15, and 7:00 P. M. The 8:10 A. N. Train will not stop between Chester and Philadelphia. The 7 P. M.

between Chester and Philadelphia. The 7 P. M. Tran from Wilnington runs daily; all other Accommodation Trains Sundays excepted.

From Baltimore to Philadelphia—Leave Baltimore 725 A. M., Way Mail; 9:35 A. M., Express; 2:25 P. M., Express; 7:25 P. M., Express; 2:25 P. M., Express; 2:25 P. M., SUNDAY TRAIN PHON BALTIMORE.
Leaves Baltimore at 7:25 P. M., stopping at Magnolia, Perrynan's, Aberdeen, Bayre-de-Grace, Perryville, Charlestown, North-Earle, Elston, Newark, Stanton, Newport, Wilmington, Claymont, Linwood, and Cherter.

PHILADELPHIA AND BALTIMORE CENTRAL RAILROAD TRAINS.

Stopping at all stations on thester Creek and Philadelphia and Baltimore Central Railroad.

Leave Philadelphia for Port Deposit (Sundays excepted) at 7 50 A. M. and 425 F. M.

The 750 A. M. train will stop at all stations be-The 700 A. M. Gull will stop at all stations between Philadelphia and Lamokin.
A Freight Train, with Passenger Car attached, will leave Philadelphia daily (except Sundays) at 130 P. M., running to Oxford.
Leave Port Deposit for Philadelphia (Sundays excepted) at 540 A. M., 925 A. M., and 230 P. M.
Trains leaving Wilmington at 530 A. M. and 445 P. Trains leaving Wilmington at 3-30 A. M. and 4-15 P. M. will connect at Lamokin Junction with 7-00 A. M. and 4-30 P. M. Trains for Baltimore Central R. R. Through tickets to all points West, South, and Southwest may be procured at Ticket Office, No. 335 Chesnut street, under Continental Hotel, where also State Rooms and Berths in Sleeping Cars can be secured during the day. Persons purchasing tickets at this office can have baggage checked at their residence by the Union Transfer Company.

H. F. KENNEY, Superintendent.

PHILADELPHIA, GERMANTOWN, AND NOR-RISTOWN RAILROAD. TIME TABLE.

FOR GERMANTOWN. Leave Philadelphia at 6, 7, 8, 9465, 10, 11, 12 A. M., 2, 3\(\), 3\(\), 4, 425, 505, 5\(\), 6, 6\(\), 7, 8, 9, 10, 11, 12
M. P. M.
Leave Germantown at 6, 7, 7 ½, 8, 3 20, 9, 10, 11, 12
A. M., 1, 2, 3, 4, 434, 5, 556, 6, 6 5, 7, 8, 9, 10, 11 P. M.
The S-20 down train and 33 and 53 up trains will not stop on the Germantown Branch.
ON SUNDAYS.
Leave Philadelphia at 9 15 A. M., 2, 4 05, 7, and 10 ½

Leave Germantown at 8:15 A. M., 1, 3, 6, and 9% CHESNUT HILL RAILROAD.

Leave Philadelphia at 6, 8, 10, 12 A. M., 2, 3%, 5%, 9, and 11 P. M. Leave Chesnut Hill at 7:10, 8, 9:40, 11:40 A. M., 1:40, 40, 540, 640, 840, and 1040 F. M.

ON SUNDAYS.
Leave Philadelphia at 2-15 A. M., 2 and 7 P. M.
Leave Chesnut Hill at 7-50 A. M., 12-40, 5-40, and
225 P. M.
FOR CONSHOHOCKEN AND NORRISTOWN. Leave Philade phia at 6, 7%, 9, and 1105 A. M., 1%, 3, 4%, 5, 5%, 6%, 808, 1005, and 11% P. M. M., 186, 8, 436, 636, 8, and 936 F. M.

Leave Norristown at 540, 636, 7, 746, 9, and 11 A.

M., 136, 8, 436, 636, 8, and 936 F. M.

The 734 A. M. train from Norristown will not stop at Mogee's, Potts' Landing, Domino, or Schur's lane. The 5 P. M. train from Philadelphia will stop only at School lane, Manayunk, and Conshohocken.
ON SUNDAYS.

Leave Philadelphia at 9 A. M., 236, 4, and 756 Leave Norristown at 7 A. M., 1, 5%, and 9 P. M.

Leave Philadelphia at 6, 71%, 9, and 11.05 A. M., 136, 3, 436, 5, 5%, 6%, 8.05, 10.05, and 1136 P. M. Leave Manayank at 6.10, 7, 7%, 8.10, 9%, and 1136 A. M., 2, 3%, 5, 6%, 830, and 10 F. M.
The 5 P. M. train from Philadeiphia will stop only

at School lane and Manayunt.
ON SUNDAYS.
Leave Philadelphia at 9 A. M., 2%, 4, and 7% P. M.
Leave Manayunk at 7% A. M., 1%, 6, and 9% P. M.
W. S. WILSON, General Superintendent,
Depot, NINTH and GREEN Streets.

p65	LUMBER.	
1869	SPRUCE JOIST, SPRUCE JOIST, HEMLOCK, HEMLOCK,	1869
1869	SEASONED CLEAR PINE. SEASONED CLEAR PINE. CHOICE PATTERN PINE. ANISH CEDAR, FOR PATTER	1869

RED CEDAR. FLORIDA FLOORING, FLORIDA FLOORING, CAROLINA FLOORING. VIRGINIA FLOORING. DELAWARE FLOORING. ASH FLOORING WALNUT FLOORING. FLORIDA STEP BOARDS. RAIL PLANK.

1869 WALNUT BOARDS AND PLANK. 1869 WALNUT BOARDS AND PLANK. 1869 WALNUT PLANK. UNDERTAKERS' LUMBER 1869
UNDERTAKERS' LUMBER 1869 WALNUT AND PINE. 1869

SEASONED CHERRY. WHITE OAK PLANK AND BOARDS. HICKORY. CIGAR BOX MAKERS SPANISH CEDAR BOX BOARDS, CAROLINA SCANTLING, CAROLINA H. T. SILLS, NORWAY SCANTLING. 1869CEDAR SHINGLES. 1869

18691869 MAULE, BROTHER & CO., No. 2500 SOUTH Street. UNITED STATES BUILDERS' MILL,

FIFTEENTH STREET, BELOW MARKET, ESLER & BROTHER, Proprietors. WOOD MOULDINGS,

BRACKETS, ETC. BALUSTERS AND TURNING WORK. A Large Stock always on hand.

PANEL PLANK, ALL THICKNESSES. PANEL PLANK, ALL THICKNESSES.—
1 COMMON PLANK, ALL THICKNESSES.
1 and 2 SIDE TENCE BOARDS.
1 and 2 SIDE TENCE BOARDS.
WHITE PINE FLOORING BOARDS.
YELLOW AND SAP PINE FLOORINGS, 14 and 44.
SPRUCE JOIST, ALL SIZES.
HEMLOOK JOIST, ALL SIZES.
PLASTERING LATH A SPECIALITY.
Together with a general assortment of Building Lumber, fortale low for cash.
T. W. SMALTZ.
S26 6m.
FIFTEENTH and STILES Streets.

UMBER UNDER COVER. ALWAYS DRY. Wainut, White Pine, Yellow Pine, Spruce, Hemlock, Shingles, etc., always on hand at low rates.

WATSON & GILLINGHAM, No. 924 RICHMOND Street, 18th ward. A LEXANDER G. CATTELL& CO., PRODUCE COMMISSION MERCHANTS, No. 128 MORTH WHARVES

No. 27 NORTH WATER STREET, 1000 ALEXANDER G CATTELL. ELIJAH CATTELL.

AUDTION BALES.

M. THOMAS & SONS, NOS. 189 AND 161

Sale at No. 331 S. Third street.

NEAT HOUSEHOLD FURNITURE FRATHER
BEDS, CARPETS, ETC.

On Wednesday Morning.
Colober 20, at 16 e'clock, at No. 221 S. Third street, the neat household furniture, comprising walnut parlor furniture, covered with rope; cottage chamber furniture, walnut extension table, fine feather-beds, mattresses, chima and glassware, imperial, ingrain, and other carpets: refrigerator, kitchen utensils, etc.

May be examined on the morning of sale at 8 o'clock.

Peremptory Sale at the Fairmount Iron Worka.
VALUABLE ROLLING MILL MACHINERY, STRAM
ENGINES, ROLLS, BOILERS, FURNAORS, ANGEN
AND THE IRON, ETC.
On Wednesday Morning,
Cotober 29, at 11 o'clock, at the Fairmount Iron Works.
Contes stroot wharf, river Schuyliclit, will be sold at public sale, without reserve, the entire valuable machinery.
Steam engines, etc.

am engines, etc. Particulars in catalogues now ready. DUTCH FLOWER ROOTS.
On Wednesday Morning.
October 29, at 11 o'clock, at the Auction Rooms, one case, comprising a general assertment of superior spicoted hyacinths, tulips, crocus, narcissus, iris, dracunculus, galanthius, etc., from Vanderschout & Son, Haarloom, 18 19 25

GREAT ART SALE
THE CHOICE AND ELEGANT COLLECTION OF
PAINTINGS OF CHARLES F. HASELTINE
Now on exhibition at No. 1125 Chesunt streets, will be sold
at Concert Hall
On Wednesday and Thursday Evenings,
Oct. 20 and 21, at 7% o'clock.
Catalogues are now ready.

19 19 8t

Extensive Sale at the Auction Rooms, Nos. 139 and 141

Extensive Sale at the Auction Rooms, Nos. 139 and 141 SUPERIOR HOUSEHOLD FURNITURE, ROSE, WOOD PIANO, MIRRORS, HANDSOME VHLVET, BRUSSELS AND OTHER CARPETS, ETC.

On Thursday Morning,
October 21, at 9 o'clock, at the Auction Rooms, by catalogue, a large assortment of superior Household Furniture, comprising handsome walunt parler soit, covered with marcon plush, made by Lejambre; walust parler furniture, covered with brocatelle, plush, rep, and hair cloth, if we walunt chambor suits; superior rosewood plano-forte, made by E. N. Scherr; French plate mantel and plor mirrors; handsome wardrobes, bookcases, side-boards, extension, contre, and bonquet tables; lounges, hat stand, stageres, gilt mantel clock, oil paintings and on gravings, superior office desks and tables; china, glass, and plated ware; fine hair and spring mattresses, feather beds, bobsters and pillows, large iron chest, gas-consuming and cooking stoves, counters, refrigerators, two soda water fountains, sewing machines, chandeliors, double-barrel guns, eigar pomper, handsome velvet. Brussels, and other carpets, cabinetmaker's bench, etc.

Also, by order of administrator, superior gold hunting case watch, made by E. Howard, Boaton; gold vest aliais. Also, a large panorama, the Fulfilment of Prophecy is the Nineteenth Centary.

BUNTING, DURBOROW & CO., AUCTION-BERS, Nos. 233 and 234 MARKET Street, corner at Bank street. Successors to John B. Myers & Co.

LARGE SALE OF BRITISH, FRENCH, GERMAN, AND DOMESTIC DRY GOODS. On Thursday Morning, Oct. 21, at 10 o'clock, on four months' credit. IMPORTANT SALE OF CARPETINGS, OIL CLOTHS, ETC. ETC.
On Friday Morning,
Oct. 22, at 11 o'clock, on four mouths' credit, about 300 pieces ingrain, Venetian, list, hemp, cottage, and rag carpetings, oil cloths, rugs, etc.

LARGE SALE OF FRENCH AND OTHER EURO-PEAN DRY GOODS, On Monday Morning, Oct. 25, at 10 o'clock, on four menths' credit. 19 19 ft.

MARTIN BROTHERS, AUCTIONEERS,— (Lately Salesmen for M. Thomas & Sons.) No. 529 CHESNUT Street, rear entrance from Minor.

Sale No. 529 Chosnut street.

HANDSOME WALNUT HOUSEHOLD FURNITURE, Pinno Fortes, French Plate Mirrors, 3 Very Superior Walfrat Bookcases, 2 Handsome Cabinets and Minerals, Fireproof Safes, Large and Very Fine Cabinet Organ, Rosewood Melodeon, Chamber Suits, Parlor Suita, Walnut Desks and Office Furniture, Fine China, Glass, and Plated Ware, Faucy Goods, Fine Velvet, Brussels, Ingrain, and other Carpets: Mattresses, Bedding, etc.

On Wednesday Morning,
Oct. 29, at 10 'elock, at the auction rooms, No. 529 Glassnut street, by catalogue, a large assortment of excellent secondhand issusched furniture, etc.

10 18 2t

C. D. MCCLEES & CO., AUCTIONEERS, LARGE AND ATTRACTIVE SALE OF BOOTS, SHOES, BROGANS, ETC.
On Thursday Morning
Oct. 21, at 10 o'clock, embracing prime and seasonable goods, to which we invite the attention of the trade. 10 15 2t

THOMAS BIRCH & SON, AUCTIONEERS AND COMMISSION MERCHANTS, No. 1110 CHESNUT Street, rear entrance No. 1107 Sansom street.

Sale at No. 1110 Chesnut street.

FINE SHEFFIELD PLATED WARE, BRONZE AND GILT EIGHT-DAY CLOCKS, BOHEMIAN GLASS & VASES, PEARL AND IVORY HANDLE TABLE OUTLERY, ETU.

On Tuesday Morning and Evening.

October 19, at 11 o'clock A. M.' and 7% o'clock P. M., at the auction store, No. 1110 Chesnut street, will be sold, a large assytment of the Ware, comprising:—Tea and coffee sets, with urns and trays to match; dinner and becautest castors butter dishes, support holders: Ladder.

breakfast casters; butter dishes; spoon holders; ladles poons; forks, etc.
Also, a complete assortment of pearl and ivory handle Goods open on Monday afternoon.

Sale at No. 337 North Second street.

Sale at No. 337 North Second street.

STOCK OF A FURNITURES STORE, GOODWILL, FIXTURES, ETC.

On Wednesday Morning.

Oct. 20th, at He o'clock, at 137 North Second street, will be sold, the entire stock of a Cabinetmaker declining the retail business, comprising—suits of elegant antages and other styles of walnut partor furniture, in plush, reps and harr cloth, walnut chamber suits of elegant patterns; sideboards, etegeres, wardrobes, extension dining tables, dressing bureaus, secretaries and bookcases, cocking chairs, cane seat dining room and chamber chairs, exture furniture, hat racks, centre and bouquet tables, with marble tors, etc.

Catalogues will be ready and the furniture can be examined on Tuesday.

The Store to rent—possession November 1. 1918 2t

LIPPINCOTT, SON & CO., AUCTIONEERS

LARGH POSITIVE SALE OF 1000 PACKAGES AND LOTS FOREIGN AND DOMESTIC DRY GOODS,

LOTS FOREIGN AND DOMESTIC DRY GOODS, etc., etc., etc., included will be found—

BLACK DRESS SILKS,
50 pieces black dressilks.
50 cases plant and ... toy dress goods.
10.005 detect German hosiery and gloves.
20 cases inckets.
400 dozen ladies' and misses' merino vests, large lines of Germantown woolens: 400 dozen ladies' and gents' kis gloves. 250 cartons bonnet, sash, and trimming ribbons; also, French flowers and feathers: 200 cases ladies', misses', and children's hats and bonnets: also, relvet velveteens, satins, laces, Paris fancy goods, skirts and corests, etc.

On Wednesday Morning.

October 20, at 10 o'clock, on four months' credit. 10 15 2t. BOOTTS ART GALLERY, No. 1026 OHESNOT

LOOKING GLASSES, ETC. ESTABLISHED 1796.

## A. S. ROBINSON,

FRENCH PLATE LOOKING-GLASSES ENGRAVINGS. BEAUTIFUL CHROMOS,

PAINTINGS, Manufacturer of all kinds of LOOKING-GLASS, PORTRAIT, AND PICTURE FRAMES,

NO. 910 CHESNUT STREET, B 15 Fifth door above the Continental, Phila. ICE OREAM AND WATER ICE.

CELEBRATED NEAPOLITAN ICES,

The purest and best in the world; can be carried in a paper without melting, or sent to any part of the country, for balls, parties, alc.

The leading physicians of Philadelphia recommond them, being composed entirely of pure fraits, orcam, and sugar. TWENTY DIFFERENT FLAVORS of these splendid

ICE CREAMS AND WATER ICES Are kept constantly on hand.
F. J. ALLEGRETTI.
No. 1834 WALNUT Street.

L. T. EASTON.

A. S. T. O. N. & M. C. M. A. H. O. N.

SETTING AND COMMISSION MERCHANTS

No. 2 COENTIES SLIP, New York.

No. 18 SOUTH WHARVES, Philadolphia.

No. 45 W. PRATT Street, Haltimore.

We are prepared to altip every description of Freight to Philadolphia, New York, Wilmington, and intermediate points with promptness and despatch. Caual Boats and Steam-tugs furnished at the kortest notice.

COTTON SAIL DUCK AND CANVAS, COTTON SAIL DUCK.

of all semilars and brands. Tent. Awning, Trunk, and waren-course back. Also, Paper Manufacturers Drier Fells, from thirty to savanty six inches wide, Paulius, Beiting, Sail Twine, etc.,

Paulius, Beiting, Sail Twine, etc.,

JOHN W. EVERNAN, 103 OHUHOH Street (Oity Stores)