

SCIENTIFIC.

The Largest Dynamo of the World. The Age of Steel has been informed that the Brush Electric Company, of Cleveland, Ohio, are constructing the largest dynamo in the world. It will be 12 ft. or 13 ft. long, 5 ft. wide, and weigh 10 tons. The dynamo will give a current of 2,500 amperes; number of watts, 245,000. In other words, it will be four times the size and capacity of the 'Jumbo' machine exhibited by Edison at the Electrical Exposition at Philadelphia. The latter was equal to the task of running 1,600 sixteen candle-power incandescent lights. This monster machine of the Brush Company will be shipped to Lockport, New York, and used for the smelting of aluminum. Five hundred horse-power will be required to drive it, which will be furnished by water, with the aid of turbine wheels. From the particulars given by our contemporary it would appear that the dynamo in question will be the most powerful in existence; but the largest dynamo ever constructed is, to our knowledge, that designed by Mr. J. E. H. Gordon, and built by the Telegraph Construction and Maintenance Company, East Greenwich. Mr. Gordon's enormous dynamo was 13 ft. 4 in. by 7 ft., and its total weight 18 tons, the revolving magnet wheel alone weighing 7 tons, its diameter being 8 ft. 9 in. Its electrical power, however, is inferior to the new Brush dynamo, and it may be said that the latter represents four years' progress in dynamo construction.

The Highest Observatory in Europe. In the heart of the province of Salzburg, on the Sonnblick, which rises to a height of 10,177 feet, a great meteorological observatory, the highest in Europe, has just been erected, which will be in immediate communication with the central Meteorological Office at Vienna. The walls are over a metre thick. Telephonic communication has been established from the summit of the mountain, across the Goldberg glacier down into the Rauris valley, and when the telegraph wires shall have been extended from Taxenbach the communication will be complete. The view from the summit is magnificent, ranging over a great part of the Tyrol, Carinthia, and Salzburg. The roof is of copper, chiefly on account of its electrical advantages. The situation is very exposed, and is a sort of centre for the discharge of electrical disturbances. There were many opportunities of watching the behaviour of lightning during the erection of the building. Dr. Hann, the director of the Central Meteorological Institute at Vienna, has superintended all the arrangements.

The Institute of Technology, at Boston, long ago decided upon the danger of steam pipes passing through and in contact with wood. It was shown that the wood, by being constantly heated, assumes the condition, to a greater or less degree, of fine charcoal, a condition highly favorable to spontaneous combustion.

A late observer, Mr. E. Sandford, reports having made a common snail carry a load of two and a quarter ounces up a perpendicular wall, its own weight being about a quarter of an ounce. A snail weighing a third of an ounce drew a load of seventeen ounces on a horizontal table, and supported four ounces while crawling on the ceiling. It even climbed a thread with another snail on its back.

To cut glass tubes by electricity, an iron wire one half minim in diameter is wound around the tube at the place required to be cut, and the ends are connected by means of copper conductors of the same diameter with the poles of a powerful battery. This iron becomes heated when the current flows, and it is only necessary to cool it suddenly with a few drops of cold water in order to procure a clean cut. Glass tubes, one inch in diameter are now cut in this way.

We have met with the following cheap mode for painting out floor structures: Make four gallons of paste of rye flour, like the paste used for papering rooms, and then mix in one gallon of common oil paint. This will cover as much surface as five gallons of paint alone. For the second coat add two gallons of oil; and three for the third. These three coats will last about as long as three coats of oil paint. A good paint for brick is made of fresh lime wash and sulphate of zinc.

Mr. Joseph Whitworth was the first to inaugurate a system of Standard screw threads. The form of thread, and the number of threads per inch which he recommended, were based partly on the results of numerous experiments and partly on the average obtained by comparing the various forms of screwed bolts then in use. The Whitworth system has been very generally adopted in all parts of the civilized world except the United States. The Seller system introduced here in 1864 has the same number of threads per inch, but the form of the thread is different.

Wires and bars are now produced direct from fluid steel by pressing it through dies in a manner similar to the production of lead pipes from lead. An iron vessel, lined with refractory material, is provided with a man hole, and a cover at the top and securely closed. At the bottom, opposite the man hole, there is a cast iron outlet pipe, through which passes a steel tube with water circulating around it like a 'jacket,' by which the steel pipe can be cooled. The inner end of the steel tube is lined with fire clay, where the very hot fluid steel meets it. The tube is plugged up by a steel stopper, and the liquid steel is filled into the vessel with liquid carbon dioxide above it. The stopper being withdrawn, liquid steel is forced out, by pressure of the carbon dioxide, in a red hot rod or wire, which goes from the vessel into the rolling mill while still hot, and is there finished off.

The Bayeux tapestry is almost a unique piece of unwritten history. Description of it has been more than once attempted; but perhaps the analysis of it worth most is one recently issued at Copenhagen. Prof. Johannes Steenstrup is the writer. His little book gives an explanation of fifty Latin inscriptions found on the tapestry, and of a series of figures sewn into it with eight different colors. Herr Steenstrup states of the 1,512 figures which comprise the picture story of the conquest of England, that 623 represent persons, 202 horses, 558 other animals, 37 buildings, ships, and boats and 49 trees. The tapestry is 224 feet long. Further, he has arrived at the conclusion that Bishop Odo, of Bayeux, caused the tapestry to be made in commemoration of the expedition in which he himself took part. Doubtless, he says, the figures were made by Normans, and the figures of Norman women plied the needles. The tapestry was made to adorn the walls of the new Cathedral, which was dedicated at Bayeux in 1077.

Legal Advertisements.

Orphans' Court Sale!

IN PURSUANCE OF AN ORDER of the Orphans' Court of Centre Co., the undivided will sell at PUBLIC SALE at the Public House in Jacksonsville, Marion township, Centre Co., Pa., ON SATURDAY THE 25TH DAY OF January, 1888, at one o'clock p. m.

The following described real estate, to-wit: All those two certain lots or parcels of ground situated in said township; first thereof bounded and described as follows: Beginning at a stone adjoining lands of Jacob Yearick, north 31 degrees, west 68 perches to stone, thence north 11 degrees 11 1/2 perches to stone, thence south 81 degrees 47 perches to a post, thence south 24 degrees 11 perches to stone, thence east 14 1/2 perches to stone, thence south 59 degrees 10 1/2 perches to beginning, containing 5 acres net measure. The 2d thereof beginning at a black oak stump, thence by a lot of Wm. Fulgas, north 31 degrees, west 40 7-10 perches to stone, thence by mountain land, north 46 1/2 degrees, east 15 2/3 perches to stone, thence by land of Jacob Yearick south, 31 east, 26 3/4 perches to stone, thence along an old road south 9 degrees, west 8 1/2 perches to stone, thence south 31 degrees, east 11 perches to a black oak stump, thence south 59 degrees 9 1/2 perches to place of beginning, containing 4 acres and 19 67 perches net measure. The two parcels of ground will be sold as one lot. They join each other and have erected thereon a house stable and other buildings.

TERMS OF SALE.

One third on confirmation of sale; one third in one year and one third in two years, with interest, to be secured by bond and mortgage on the premises.

ISAAC FRAIN, Administrator of Wm. Fulgas, dec'd

RULES

Regulating Applications for Liquor License, &c.

- (A) All licenses granted shall be for one year from the first day of April, and shall expire on the first day of April the following year without regard to the date at which the same was issued.
(B) Applications for license in the county of Centre shall be heard on the first Tuesday of March, and in Huntington county on the third Tuesday of March and the hearing of such applications shall be continued for such length of time as may be necessary to dispose of them, but no application shall be represented by the District Attorney.
(C) All applications for license shall be by petition in writing, which petition shall be verified by affidavit shall contain full statements of the several matters required by the 4th Section of the Act of 18th May, 1857, and shall be accompanied by the certificate required by the 6th Section of said Act. All remonstrances or petitions against the granting of licenses and all additional petitions in favor of the license, as provided for in the 7th Section of said Act, shall be in writing, and shall be filed with the Clerk at least five days before the time fixed for the hearing.
(D) Depositions of witnesses in favor of or against the granting of any license may be taken upon five days notice to the applicant, or one or more of the remonstrants, or his or their attorney, to be read upon the hearing of the application; on such hearing, the Court, in their discretion, may hear viva voce testimony.
(E) The Clerk of the court shall cause to be published three times in two newspapers to be designated by the Court, a list containing the names of the petitioners for license, their respective residences, and the place for which application is made.
(F) Rule No. 166 of the existing Rules of Court is hereby repealed.
1-3t

REGISTER'S NOTICE.

The following accounts have been examined, and remain filed of record in this office, for the inspection of heirs and legatees, creditors, and all others in any way interested, and will be presented to the Orphans' Court of Centre county, on Wednesday the 25th day of January, A. D. 1888, for allowance and confirmation:

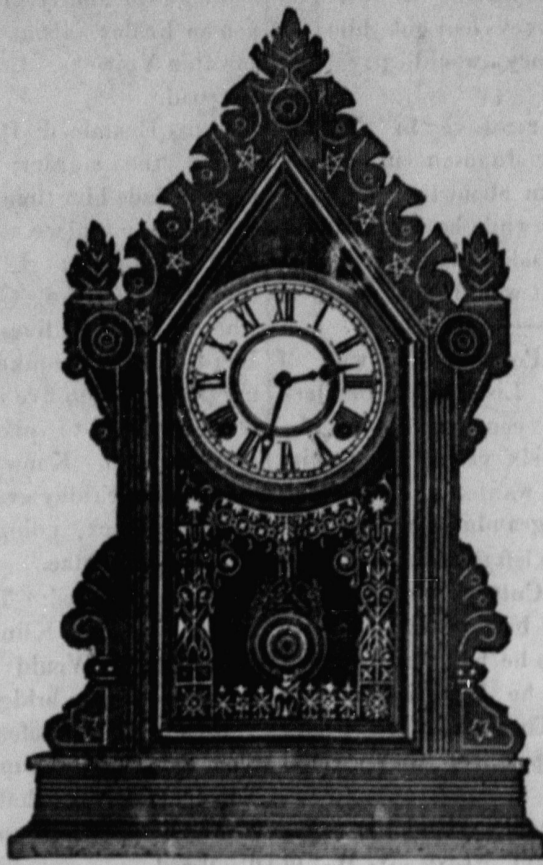
- 1. The account of D. B. Porter Woodring, administrator, etc., of Samuel Woodring, late of North township, deceased.
2. Account of William P. Orban, guardian of Agnes L. Orban, minor child of James H. Orban, late of Bellefonte borough, deceased.
3. Account of William P. Orban, guardian of J. Harris Orban, minor child of James H. Orban, late of Bellefonte borough, deceased.
4. Account of William P. Orban, guardian of Thomas J. Orban, minor child of James H. Orban, late of Bellefonte borough, deceased.
5. The account of W. W. Leach and P. W. Hanson, executors, etc., of John Hanson, late of Harris township, deceased.
6. The first and final account of Wm. F. Way, administrator, etc., of Ezra Way, late of Union township, deceased.
7. The account of Mary E. Bush and C. B. Bush, Administrators, etc., of Dr. J. M. Bush, late of Patton township, Centre County, Pa., dec'd.
8. The account of A. J. Orndorff and William Rupp, administrators, etc., of Jacob L. Rupp, late of Ferguson township, deceased.
9. The account of H. A. Mingle, executor, etc., of Elizabeth Korman, late of Haines township, deceased.
10. The final account of E. C. Humes and Adam Hoy, administrators, etc., of Hon. James T. Humes, late of Bellefonte borough, deceased, as filed by E. C. Humes and the executors of Hon. Adam Hoy, deceased.
11. The account of John Hoffer, dec'd, guardian of Mary B. Williams (formerly Martin) dec'd, a minor child of Catherine Martin, dec'd, as filed by D. S. Keller, one of the administrators of said John Hoffer, deceased.
12. The account of John Hoffer, dec'd, late guardian of Margaret R. and John E. Martin, minor children of Catherine Martin, dec'd, as filed by D. S. Keller, one of the administrators of said John Hoffer, dec'd.
13. The account of John Hoffer, dec'd, late guardian of Robert M., Lillie M., John E., Mary E., Charles F., and Carrie Miller, minor children of Isaac Miller, late of College township, dec'd, as filed by D. S. Keller, one of the administrators of said John Hoffer, deceased.
14. The first and partial account of E. J. Pruner and D. S. Keller, administrators of, etc., of John Hoffer, late of Bellefonte borough, deceased.
15. The first partial account of J. W. Gephart and C. M. Bower, administrators, etc., of David Lamb, late of Harris township, deceased.
16. First account of F. P. Vonada and T. E. Vonada, administrators, etc., of Henry Vonada, late of Haines township, deceased.
17. The account of Thomas W. Hoosterman, administrator, etc., of Pauline Moyer, late of Haines township, deceased.
JAMES A. McCLAIN, Register, Register's office, Bellefonte, Pa., Dec. 24, 1887. 1-3t

LEGAL NOTICE—Notice is hereby given to all persons interested, that the following inventories of the goods and chattels set apart to widows under the provisions of the Act of 14th of April, 1851, having been confirmed nisi by the Court and filed in the office of the Clerk of the Orphans' Court of Centre County, and if no exceptions be filed thereto, on or before the first day of next term, the same will be confirmed absolutely:

- 1. The inventory and appraisal of the personal property of Abraham H. Cole, late of Harris township, deceased, as set apart to his widow, Annie Mary Cole.
2. The inventory and appraisal of the personal property of Joseph Haines, late of Phillipsburg borough, deceased, as set apart to his widow Prudence Haines.
3. The inventory and appraisal of the personal property of C. G. Hirlinger, late of Phillipsburg borough, deceased, as set apart to his widow Isabella Hirlinger.
4. The inventory and appraisal of the personal property of Thomas Lingle, late of Potter township, deceased, as set apart to his widow Elizabeth U. Lingle.
5. The inventory and appraisal of the personal property of Agnes Bellew, late of Patton township, deceased, as set apart to his widow, Catherine E. Bellew.
6. The inventory and appraisal of the personal property of George Roth, late of Snow Shop, deceased, as set apart to his widow, Rosa Roth.
7. The inventory and appraisal of the personal property of Daniel Kerlin, late of Snow Shop, deceased, as set apart to his widow Elizabeth E. Kerlin.
8. The inventory and appraisal of the personal property of William Holden, late of Howard township, deceased, as set apart to his widow, Caroline Holden.
9. The inventory and appraisal of the personal property of Henry N. Hoiter, late of Liberty township, deceased, as set apart to his widow, Magdalena Hoiter.
JAMES A. McCLAIN, Register, Bellefonte, Pa., Dec. 25, 1887. 1-3t C. O. O.

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CARPETS

ever shown in Bellefonte, at the very lowest prices, which at any and all times can be relied on. Lace Curtains in great variety with all the fixtures belonging thereto. Window Blinds and fixtures, in fact everything in the House Keeping line, including Sheetting, Pillow Casings, Tickings, &c., &c., &c. We handle the

ROCHESTER CLOTHING

And are the only Clothing dealers in town who do, and will sell you a well made good fitting suit at the same prices asked you for slop shop trash. Try it once.

S. & A. LOEB.

DR. SELLERS' OVER 1000000 BOTTLES SOLD AND NEVER FAILS TO CURE COUGHS, COLDS, THROAT AND ALL LUNG TROUBLES. ALL DRUGGISTS SELL IT PRICE 25 CTS. COUGH SYRUP. DON'T FORGET THAT DR. LINDSEY'S BLOOD SEARCHER IS THE ONLY CURE FOR RHEUMATISM, GRAVEL, GOUT, NEURALGIA, MIGRAINE, AND ALL KINDS OF BLOOD POISONING. SOLD BY ALL DRUGGISTS.

DR. LINDSEY'S The Great LIFE-GIVING POWER, Complexion Beautifier. Malaria, Fever and Ague, Scrofula, Cancer, Erysipelas, Boils, Pimples, Ulcers, Sore Eyes, Scald Head, Tetters, Salt Rheum, Neuritic and all Blood and Skin Diseases. Sold by all Druggists. DR. SELLERS' LIVER PILLS For years have been the standard remedy for LIVER COMPLAINT, CONSTIPATION, BILIOUSNESS, HEADACHE, PAIN IN SHOULDERS OR BACK, DIZZINESS, COATED TONGUE, and all diseases arising from the LIVER or BILIOUSNESS. Thomas Adams, of Big Sandy, Ky., says: 'I feel that I have saved hundreds of dollars in doctors' bills in this country.' Sold by Druggists. Sellers Medicine Co., Pittsburgh, Pa.

CASTORIA

for Infants and Children. Castoria is so well adapted to children that I recommend it as superior to any prescription known to me. H. A. ASCHER, M. D., 111 So. Oxford St., Brooklyn, N. Y. Castoria cures Colic, Constipation, Sour Stomach, Diarrhoea, Eructation, Kills Worms, gives sleep, and promotes digestion. Without injurious medication. THE CASTORIA COMPANY, 128 Fulton Street, N. Y.

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Workmanship the Best and Prices Down to Rock Bottom

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NO NANCY PRICES FOR INFERIOR MATERIAL. The Largest and Best Stock in Central Pennsylvania to Select from.

WHY pay inflated prices for a suit when you can get honest goods at honest prices. A well dressed gentleman is a pleasure to look at, and every man in Centre county can be well-dressed if he is judicious in the selection of his tailor. Call and examine for yourself. It is a pleasant task for me to show my goods and quote prices. I have the very latest novelties and at prices surprisingly low. Before buying a Suit or Overcoat drop in and see my stock.

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EDUCATION AT SMALL COST. A GREAT OPPORTUNITY CENTRAL State - Normal - School, Lock Haven, Clinton Co., Pa.

Winter term of 12 weeks opens Tuesday, Jan. 3, 1888. Spring term of 14 weeks opens Tuesday, March 27, 1888. Beginning with the winter term, Jan. 3, 1888. Heat, furnished room and good board for only \$2.50 week. Tuition, \$1.25 a week. To those who intend to teach the State give 30 Cents a week as aid. This can be subtracted from the cost of tuition. Besides the weekly aid, the State gives 50 Dollars at graduation. The net cost for heat, furnished room, board and tuition for 24 weeks term of 12 weeks is only \$59.00 and for the spring term of 14 weeks, only \$45.50. Those who pass their Junior Examinations next Spring and enter the Senior Class, can attend a whole year of 42 weeks at the net cost of only \$86.50 provided they graduate and receive the weekly aid of 70 cents a week and the 50 dollars additional. This is an opportunity that should be improved by everyone who looks forward to teaching as a profession. The faculty of the Central State Normal School is composed of specialists in their several departments. Four of the instructors are honored graduates of Colleges. The School possesses rare cabinets and valuable apparatus for illustrating the sciences. The Model School is conducted after the manner of the best training schools. At the last session of the legislature the Central State Normal School received two appropriations aggregating twenty-five thousand dollars. This money has been used in putting the building in excellent order. Hydrants, water-closets and bath rooms may be found on the different floors. All rooms are completely furnished. The student should bring his own towels and supplies. Washing may be obtained in the building at a small cost. Students may enter at any time. Lock Haven is accessible by rail from all directions. For the beauty and healthfulness of its location the Central State Normal School is admired and praised. We will be glad to correspond with any who are interested. Choice rooms reserved on application. STUDENTS FREE RID FOR COLLEGE. Address, JAMES ELSDON, A. M., PRINCIPAL, CENTRAL STATE NORMAL SCHOOL, LOCK HAVEN, PA.

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Rugs, Mats, &c. Store No. 8, Bishop Street, Bellefonte, Pa.

LEGAL NOTICE. Notice is hereby given that Conrad Singer, Committee of Ross E. Allen, a testator, has filed his account and that the same will be presented at 10 o'clock a.m. on the 27th day of January, 1888. L. A. S. EYER, Executor.

MONEY made any Manufacturing Rubber Stamps. Send for Price List of Outlets, to J. F. W. Borman, No. 217 East German Street, Baltimore, Maryland, U. S. A.