INDUSTRIAL AND LABOR

NEW METHOD OF GETTING ELECTRICITY FROM COAL.

It Is Something That Chemists Have Been Working on for Years and Is Expected to Cause an Industrial Revolution-Applicants for Position Made Vacant by the Resignation of Mine Inspector G. W. Williams-The Board for Today-Odds and Ends of News.

Hugo Jones, an assistant city chemist of Chicago, considers that he has solved the problem of procuring electricity direct from coal, which for years has been the dream of electriclans and chemists. He has taken out a patent on a battery which he thinks will revolutionize modern methods of procuring power, and which will make futile Edison's labors for the last few years in trying to solve the problem The claim is made for Mr. Jones' battory that it will yield thirty-five per cent, of the energy that is stored up in coal, or four times as much as the present combination of boller, steam engine and dynamo.

If Mr. Jones' invention can reduce the loss from eighty to ninety per cent. to sixty-five per cent, the result would he further improvements and a revolution in manufacture such as has not been experienced since the invention of the steam engine. Sulphate of lead instead of sulphate of zinc is used in the new battery. The substitution saves one costly step in the process of getting out the energy of the coal, and also saves entirely a chemical product. In the Jones battery coal is mixed with sulphate of lead in a reduction retort, and the mixture is The coal converts the sulheated. phate into lead and sulphur dioxide, which produces the electric current. and then again forms sulphate of lead. This process is capable of be-ing continued indefinitely, the only thing consumed being the coal. The lead sulphate, being insoluble, drops to the bottom of the battery and accumu lates. It can easily be removed bodily but may remain at the bottom for a long time.

All this time the battery can be kept running while an ordinary battery stops as soon as the acid liquid has taken up too much metal. In the Jones battery, the liquid never becomes saturated. The battery and the reduction retort are in the new device placed together, the battery cells being set around the report. In this way the heat given off by the retort is taken up by the cells and utilized, be ing partly converted into electricity by means of chemical reactions. In the ordinary battery, sulphate of zinc in-stead of sulphate of lead is mixed with the coal. When the mixture is heated the zinc sulphate is separated into zinc and sulphur dioxide. The sulphur dioxide is lost in the process, and along with it enrgy which could be other wise transformed into electricity, Mr Jones' substitute of lead saves the sulphur dioxide

Another advantage in the use of lead subphate is the fact that this subphate is decomposed by coal at a lower temperature and more easily. The plac-ing of the cells around the refort is another feature of Mr. Jones' battery which differs from the ordinary zinc battery, and saves much energy. The new battery may be compared to a furnace using coal, but giving off electricity instead of heat. Nothing is consumed except coal and the oxyger of the air. The lead is easily recovered as sulphate, and used over again. The work is done by the coal.



THE SCRANTON TRIBUNE-WEDNESDAY, JULY 17, 1901.

of the Adviser.

THE woman who went to her grocer for legal advice lost her case. The value of advice depends upon the qualifications of the adviser. Medical advice from one who is not a doctor is as worthless as legal advice from one who is not a lawyer-and it is far more dangerous.

Advice to Women, the skilled advice of a qualified physician—is offered free by Dr. R. V. Pierce. It is valuable advice because it is the advice of a competent physician. It is advice of extraordinary value, because it is the advice of an extraordinary physician, a specialist, one who has given

more than thirty years to the treatment and cure of woman's diseases. Any doctor can give you medical advice. The benefit of his advice depends on his experience in treating the particular disease from which you suffer. Many Women consult Dr. Pierce after all the available local doctors have failed to give any help. Ninety-eight in every hundred such cases are cured by him. This is the experience of more than half a million women. Offers of advice that look like Dr. Pierce's offer, are made in the press. These offers look like Dr. Pierce's because they are made to looke like it. No other offer is supported by a record or reputation equal to that of Dr. Pierce. Investigation will prove these statements. We send pamphlet free. Sick Women are Invited to consult Dr. Pierce by letter free of all cost. Each letter is read and answered in private. Its statements are guarded as a sacred confidence. The answer is mailed in a plain envelope without advertising or other printing on it. Address, Dr. R. V. Pierce, Buffalo, N. Y. FREE ! containing 1008 large pages and over 700 illustrations. This book will prove a constant friend and wise counselor to every woman. Send 21 one-cent stamps for book in paper covers, or 31 stamps if you wish cloth binding. Address as above.

The Woman Who Was and the Woman Who is.

Mrs. M. F. Long, of LeLoup, Franklin County, Kans., writes: "Words cannot express how grateful I am for your kind advice and good medicines. I have been in poor health more or less all my life. In the past nine years grew worse, and two years ago was so poorly could hardly drag around. I consulted a Specialist, and he said I had ulceration, and that an operation would have to be performed. At last I wrote to Dr. Pierce, asking advice. I soon got a helpful answer, advising me to try his medicines, the 'Favorite Prescription,' 'Golden Medical Discovery,' and also his 'Pleasant Pellets.' I bought two bottles of the 'Favorite Prescription,' two of the 'Discovery,' and two vials of the 'Pellets,' and I began taking 'Favorite Prescription' and the other medicines, as advised. When commencing I weighed 1191/2 pounds, and after taking one bottle of each I was like a new woman. In one month I gained eight pounds. After taking two bottles of each of the medicines named, I began to look like a woman and not like a wasted skeleton. That weary, tired feeling all left me, and it did seem as though life was worth living; and that I had been snatched from the grave, and would live to a good old age."

Her Friends Were Surprised.

"Two years ago I had a miscarriage," writes Mrs. Mattie F-Enloe, of Lexington, Lafayette County, Missouri. ," I was in bed nearly three months afterward, and was treated by three different physicians. Had nervous prostration, indigestion, and sinking spells, and suffered a great deal with my head. In fact, I can't tell all I did suffer. Came near having convulsions, when my husband sent for another doctor. Under his treatment I got so I could be up most of the time and assist a little in the housework. I continued in this way for some time, suffering all the time with my back and a misery low down across me till I was induced by a friend to write to you for advice. You pronounced my trouble to be congestion of the internal organs, and told me what course to pursue. I did as directed, and also took two bottles of your 'Favorite Prescription,' and one of 'Golden Medical Discovery,' and one bottle of 'Pellets,' when I felt like another person. Of course after being sick so long, it was some time before I felt altogether well. But I have been very strong the present summer. Some of my friends were surprised that I ever got up."

DR. PIERCE'S FAVORITE PRESCRIPTION



SUMMER RESORTS.

FENWICK HALL, ON LONG ISLAND SOUND.

At mouth of beautiful Connecticuf river. The location, for health and pleasure, is not equaled by any resort along the coast. Every con-venience, all the best attractions, Private Golf Links, Fishing, Bathing, Boating and Tennis Courts, The finest macadamized roads for driving and eycling, through the most charming country, swept by the breezes from Sound and River. vever hot, no mosquitoes, no malaria. Superior rooms, table unsur passed.

Fenwick is two and a half hours from New York by train on the New York, New Haven and Hartord train to Saybrook Junction. Six fast trains daily. Opens June 27. For further information, address E. Chatfield, Proprietor, Hotel Jefferson, Union Square, New York,



Finest Summer Hotel in Northeastern Pennsyle vania. Hotel hacks meet Delaware, Lackawanna and Western trains at Factoryville, Leaving Scranton 9 a. m. and 4 p. m. Write for varies, J. W. Moore, Prop.



New Stock Just Arrived. All styles, from the \$1.00 Alpine Straw to the \$12.00 Panamas.

Don't forget we are headquarters for

Summer Shirts, Underwear, Etc



412 SPRUCE STREET. Try Our Special 10c Linen Collars



OLD STOCK

Repairs Will Be Made.

The Bell Telephone company has ntered into a contract with the Delavare, Lackawanna and Western com cany to replace all the telephones now in use at the various collieries. The new phones, which are of the latest improvements, will be installed at once The company will also take advantage of the enforced idleness, and make some needed repairs at several break-

The demand for coal is exceedingly light at present, and there is a sufficient amount of coal on hand to meet thedemands for lake and ocean transportation.

The collieries have been working full time for several months, and in consequence the company is in good shape to stand a suspension of operations of the firemen's strike should tie up many collieries,

What effect a strike at this tim will have on the train crews is problematical, but in all probability it will necessitate the laying off of a large ble showing to fail in securing the number of trainmen.

D., L. & W. Board for Today.

The following is the make-up of the D., L. and W. board for today: Scranton, July 17, 1901.

TUESDAY, JULY 16,

Wild Cats, East-8 p. m., D. Wallace; 10 p m., J. J. Costello.

WEDNESDAY, JULY 17.

Wild Cats, East-5 a. m., M. Finnerty; 10 a. m., F. Hallett; 11 a. m., O. W. Fitzgerald; 1 p. m., J. A. Bush: 2 p. m., F. Van Wormer; 6 p.

m., J. H. Masters. Summits, Etc.-6 a. m., cast, M. Staples, with I. Carrigg's crew; 10 a. m., west, G. Frountelk r; 6 p. m., cast, E. McAllister; 7 p. m., Cayuga, Thompson. Pushers-8 a. m., Houser; 10 a. m., Finnerty;

11.30 a. m., Morani 7 p. m., Murphy; 0 p. m., Lamping; 10 p. m., A. Widener. Passenger Engines- 7 a. m., Gaffney; 7 a. n., Singer; 10 a. m., F. E. Secor; 5.30 p. m., Binger, P. B., T. Nauman.
 Bantoni, P. B., T. Nauman.
 Wild Cats, West-5 a. m., F. Wall; 10 a. m.,
 Castner; 11 a. m., O. Case; 2 p. m., Kings-

ey; 4 p. m., M. Carmody. NOTICE.

H. Gilligan will take Rafferty's crew, No. 62,

Nednesday, July 17, until Rafferiy reports. Conductor A. J. McDonnell will call at trainnaster's office Brakeman Martney will call at train-master's

Brakeman Joseph Chamberlain will call at train-master's office.

Want to Succeed Williams.

The vacancy existing in the mine iniodical assessment upon the memberspectorship in the Wilkes-Barre district, through the resignation of Inspector G. M. Williams, is arousing interest in many sections of the country. the United Mine Workers of America, This is proven by the announcement being made of possible candidates for the 1,500 miners and laborers employed the vacant position. Edward E. Rey- by the company were ordered on colds, of West Pittston, than whom strike. The company, until recently, none is more widely or favorably it is claimed, paid \$1.50 a yard for narknown, has announced his intention to row work. At the last pay a reduction apepar before the board for exami- was made, and the miners claimed nation. Mr. Reynolds has previously they were paid only \$1 a yard. General been examined and has made excep- Superintendent Williams was waited tionally high records, and yet has been on, and he said \$1 was all the company patortupate enough, with his credita- could afford to pay.



appear before the board for examination. Other candidates will likely be announced prior to the day set for the examination .- Wilkes-Barre Record.

DONATIONS FOR JUNE.

Acknowledged by Directors of the The Burlington officials have under onsideration a plan for the pensioning Hahnemann Hospital.

This and That.

of its old employes.

The directors of Hahnemann hos-Passenger traffic in the West is repital acknowledge with gratitude the receipt of the following supplies durported to be the heaviest ever known

at this season of the year. ing the month of June: A. B. Luce, for many years chief J. C. McClure, clothing; Mrs. H. M. Boles, reading matter, milk during lerk to M. B. Cutler, superintendent d transportation on the Lehigh Valmonth; Mrs. Clara Simpson Brady, ley railroad at South Bethlehem, has reading matter; Epworth league, Elm Park church, 8 boxes strawberries, 2 been made private secretary and chief derk to General Superintendent R. H. quarts cream; Mrs. J. A. Waring, 40 Withur. He succeeds E. R. Rects, who eggs; Miss E. K. Richmond, 5 pounds resigned to go into other business. butter; Mrs. George Sanderson, read-The American Rallway association ing matter, clothing; Miss Calender, has called the second assessment upon vase and flowers; Mrs. Spader, 40 eggs; its membership for the purpose of pro-G. R. Clark, flowers; Hanley & Co., viding a fund for the seventh session to tonves bread; Mrs. A. M. Decker, of the International Railway congress, 2 office chairs; Mrs. G. B. Catlin, read-ing matter; Mrs. Anderson, 2 boxes which is to convene in Washington, D. C., in October, 1904. The expenses inberries; Mrs. G. Spader, 9 pillow cases; cident to that congress, which will be Dr. J. L. Peck, sugar spoon, sugar tongg, butter knlfe; Miss A. M. Wat-son, flowers; Mrs. C. D. Simpson, reading matter; Miss 6 cace Callender, flowers; Mrs. Sancton, reading matter; Miss Cummings, 22 eggs; Mrs. C. B. Scott, 5 quarts milk; Waverly Ep-worth league, flowers. Desserts were provided by Mrs. C. H. Welles, Mrs. E. L. Fuller, Mrs. Henry Beim and W. D. Zehnder. Dr. J. L. Peck, sugar spoon, sugar tongs, butter knife; Miss A. M. Watabout \$35,000, will be borne by the American Railway association, and the fund is being raised gradually by per- reading matter; Miss Grace Callender,

ship. All the mines of the Kingston Coal Scott, 5 quarts milk; Waverly Epcompany were idle yesterday. At a worth league, flowers, meeting of the executive committee of Deserts were provide Belin and W. D. Zehnder,

Mrs. Sureth, the Misses Jones, Miss Whitman, Mr. and Mrs. Pilling and Miss Weir sang for patients, Rev. Mr. Alrich conducted religious

services on Wednesdays during the month.

The popular Punch cigar is still the leader of the 10c cigars.

6.45, 2.18 and 4.27 p. m. For Pottaville, 6.45 a. m., 2.18 p. m. For Bethleinen. Easton, Reading, Harrisburg and principal intermediate stations via D. & H. R. R., 6.45, 9.28 a. m.; 2.158, 427 (Black Dia-mond Express), 11.30 p. m. Sundaya, D. & H. R. R., 0.38 a. m.; 1.58, 8.27 p. m. For Tunkhannock, Towanda, Elmira, Ithaca, Geneva and principal intermediate stations, via D., L. & W. R. R., 5.08 a. m.; 1.05 and 2.40 p. m.

D. L. & R. H. Beltester, Buffalo, Niagara Falls, For Geneva, Rochester, Buffalo, Niagara Falls, Chicago and all points west, via D. & H. R. R., 7.48, 11.55 a. m., L.25, 3.33 (Black Diamond Ex-prose), 7.48, 10.41, 11.30 p. m. Sundays, D. & I. R. R., 11.55, 8.27 p. m. Pullman parker and alcoping or Lehigh Valley Parlor cars on all trains between Wilkes-Barre and New York, Philadelphia, Buffalo and Sus-nemsion Bridge.

and New Fidge. Pension Bridge. ROLLIN H. WILBUR, Gent. Supt., 25 Cortland street, New York. For tickets and Puilman reservations apply to 209 Lackawanna avenue, Scranton, Pa.

New York, Ontario and Western.

Time Table in Effect Sunday, June 25, 1001, NORTH-BOUND, Leave Leave Arrive Trains, Stranton, Carbondale, Cadesla, No. 1 ... 10.30 a.m. 11.10 a.m. 1.00 p.m., No. 3 ... 4.00 p.m., 4.44 p.m., 6.00 p.m., No. 7 ... 6.19 p.m., Ar Carbondale, 6.46 p.m., SOUTH-BOUND, Leave Arrive

den and Sidney connections. For further information consult ticket agents, J. C. ANDERSON, G. P. A., New York, J. E. WELSH, T. P. A., Scranton.

West.

Bioamaburg Division-Leave Scranton for Northumberland, at 6.45, 10.05 a. m.: 1.55 and 5.50 p. m. For Plymouth at 1.05, 5.40, 5.50 p. m. For Kingston at 8.10 a. m. Arrive at Northundberland at 9.35 a. m. at 1.10, 5.00 and 8.45 p. m. Arrive at Kingston at 8.52 a. m. Arrive at Plymouth at 2.09, 4.52, 9.45 p. m. Arrive at Plymouth at 2.09, 4.52, 9.45 p. m. Arrive at Plymouth at 2.09, 4.52, 9.45 p. m. Arrive at Plymouth at 2.09, 4.52, 9.45 p. m. Arrive at 12.25, 4.50 and 8.45 p. m. From Kingston at 11.00 a. m. From Plymouth at 7.63 a. m.; 2.20 and 5.55 p. m. SUNDAY TRAINS. South-Leave Scranton at 1.40, 3.00, 5.30, 10.05

SUNDAY TRANSS. South-Leave Scratton at 1,40, 8,00, 5,50, 10.05 4, m.; R.S.Bi and 3,60 p. m. North-Leave Scratton at 1.15, 6.35 a. m.;

Bloomsburg Division-Leave Scranton at 10.05 a. m, and 3.50 p. m.

Central Railroad of New Jersey.

Stations in New York-Foot of Liberty street, R., and South Ferry. TIME TABLE IN EFFECT JUNE 30, 1901. No. 6 ... 7.09 a. m. 7.40 a. m. 19.01 a. m. 19.040 a. m. 19.01 a. m. 19.040 a. m. 19.01 a. m. 19.040 a. m. 19.045 a. m. 19.11adelphila, Easton. Bethlehem, Al San Xo. 5 ... 7.00 p. m. Ar. Carbondale. Cadoaia.
No. 5 ... 7.00 p. m. Ar. Carbondale. Cadoaia.
No. 5 ... 7.00 p. m. Ar. Carbondale. 7.45 p. m. South and 4.00 p. m. San days. 2.15 p. m. For Pittsion and Wilkes-Barre, 5.55 a. m.; 1.10 and 4.00 p. m. Sundays. 2.15 p. m. Trains Nos. 1. an week days. and 2. on San Xo: 10 ... 100 p. m. 6.06 p. m. 6.45 p. m. Trains Nos. 1. an week days. and 2. on San Trains Nos. 1. an week days. and 2. on San Trains Nos. 3. and 4 make Walton, Delhi, Hamden and Sidney connections. For Interview and 1.10 p. m. Trains Nos. 3 and 4 make Walton, Delhi, Hamden and Sidney connections. For Interview and 1.10 p. m. Tor Mountain Park, 5.55 a. m., 1.10 and 4.00 p. m.

p. m. Through tickets to all points cast, south and

west at lowest rates at the station.

Pullman buffet parlor car and coaches to Philadelphia, via Pottsville; stops at principal intermediate stations. Also con-nects for Sunbury, Harrisburg, Philadelphia, Baltimore, Washington and for Pittsburg and the

are those weighed down by mental de-pression. Men rise in this world through buoyant nerve force. The loss of this force daily drags down to failure some of the world's brightest minds. Such a condition is commonly known as Nervous Debility. When you lose self-confidence and feel your strength, energy and nerve force are slipping away, it is high time you seek sensible aid. You prefer health and success to .38 a. m., week days, for Sunbury, Harrisburg, Philadelphia, Balti-more, Washington and Pittsburg and the West.

and the West.
2.18 p. m., week days, (Sundays, 1.58 p. m.), for Sunbury, Harris-burg, Philadelphia, Baltimore, Washington and Pittsburg and

the West. 133 p. m., week days, through ves-tibule train from Wilkes-Barre. Pullman buffet parlor car and coaches to Philadelphia via Pottsville. Stops at principal inter-

mediate stations. .27 p. m., week days, for Hazleton,

Sunbury, Harrisburg, Philadel-phia and Pittsburg. J. R. HUTCHINSON, Gen. Mgr. J. B. WOOD, Gen. Pass. Agt.

Delaware and Hudson.

In Effect June 9, 1901, for Carbondale Joave Scranton at 6:20, 33, 10:15 a. m., 12:00, 1:20, 2:44, 3:32, 5, 7:37, 9:16, 11:20, p. m., 11:16 a. m. antidale and Lake Lotiere, 6:29, 10:13 a. 14 and 5.29 p. 05. Wilkes Barre - 6.45, 7:48, 8:41, 9:55, 10:42 12:03 1:28, 2:15, 3:55, 4:27, 6:10, 7:15,



Poor Indeed

misery and failure.

prefer health and success to

SexineOille

Prof. G. F. THEEL. 527 North St. Politadelphia, Pa. Unit German Specialis in Incertas, Gurantines to zero also by mall Private Bineares, Excesses, Abuss, Bland Pulson, Screens Incelling, Lord Rachaud, Variancie & Stricture and cutting, Underslopmants & Shrankan Organs

a m., 12:00 1128, 2:15, 3:00, 4:27, 0:10, 7:18, 10:11, 11:30 p. m. For L. V. R. R. points-6:15, 5:38 a. m., 2:18, 4:27 and 11:30 p. m. For Pennsylvania R. R. points-6:45, 9:38, 2:18, rest and 4:37 p. m. For Penny and 4:27 p. m. For Albany and all points north-6:20 a. m. and 3:52 p. m. SUNDAY TRAINS. For Carbondale-8:50, 11:00 a. m., 2:44, 3:52,

For Carbonizie - 200 artists a. m., 2014, 2025, 502 and 10.52 p. m. For Wilkes Barre-9:38 a. m., 12:05, 1:38, 5:28, 6:32 and 8:42 p. m. For Albany and points north-3:52 p. m. For Albany and points north-3:52 p. m. For Housedale and Lake Lodore-8:50, 11:32 g. m. and 8:32 p. m.