PERSONAL.

Miss Helene Barnes will spend the remainder of the week in New York city.

Dr. John T. McGrath has been appointed assistant house surgeon at the Lackawanna hospital.

Lieutenant and Mrs. D. L. Tate, of Washington, are the guests of Mrs. Tate's parents, Hon. and Mrs. J. A. Scranton.

Miss Frances Falkenbury, daughter of Mrs. Allie M. Falkenbury, and Eugene Dole Hays, of Philadelphia, will be married Wednesday evening, October 21, at 8.30 o'clock, at the bride's home, 420 Adams avenue.

Michael Hand, proprietor of the Scranton Brewing company of Cedar avenue, and Miss Bridget McHugh, of Penn avenue, relict of Richard McHugh, will be married at St. Paul's church, Green Ridge, next Wednesday.

Mr. and Mrs. D. W. Drake of Howells, N. Y., have issued invitations for the wedding of their daughter, Miss Agnes, to Frank W. Filer, son of Mr. and Mrs. George Filer, of Grove street, Dunmore. The wedding will be next Wednesday afternoon at the bride's home.

MAKING GAS FROM THE FINEST CULM

Experiment Made in this City Shows That It Is Possible.

PAPER PREPARED ON THE SUBJECT

Will Be Read at the Meeting of the Board of Trade on Monday, Oct. 19. Recent Discoveries Promise to Make the Anthracite Valley the Greatest Gas Producing Region in the World.

For the past three years the Scranton board of trade has spent a great deal of time, money and energy in setting forth the advantages of our cheap fuel, which is stored in such large quantities in the culm banks of the anthracite regions.

In "Electricity," of Aug. 1, 1894, appeared a four column editorial under the head "The Culm Bank vs. Niagara Falls." This article was based upon statistics compiled by Secretary Atherton on the cost of fuel per horse power in Scranton, and the author easily proved that steam generated by the use of culm as a fuel, was cheaper than electricity generated at the great Niagara.

In Cassier's November, 1895, Magazine, appeared an article by Nelson W. Perry, an eminent engineer of New York, on the question of culm as a steam fuel. Mr. Perry after spending several weeks in Scranton investigating and experimenting, found that culm used as a fuel for steam production was cheaper than electricity furnished by the Niagara company. In the December, 1895, number of the "Engineering News" can be found an able article on "The Utilization of Anthracite Culm at Scranton, Pa." This is a review of the two articles mentioned above, and the deductions of the writer not only prove that steam generated by culm as a fuel is cheaper than electricity, but that the cost per horse power is even less than claimed by the writers of either of the above articles.

Naturally the attention of the world has been called to this subject, and many experts in this line, both in America and Europe, have given the question a great amount of study. The question, how best to utilize this vast amount of energy, has been the most important one in dealing with the subject. It has been proved beyond question that the power is in the culm bank. Now then, what is the best plan to utilize it? Shall it be converted into steam, electricity or gas?

GAS MOST ECONOMICAL.

From experiments lately made in this city, the answer to that question would seem to be that gas is by far the most economical. There are many gas producers in operation using prepared anthracite coal, but owing to the high price of the coal, the gas becomes expensive. To produce gas from anthracite culm, and that, after the courser particles have been removed by washing, screening, etc., has been the all absorbing question. Some years ago experiments were made by some New York capitalists, at the Green Ridge Iron works in this city. A large amount of money was expended, in the endeavor to produce gas from culm dust, and superheated steam, but with very little if any, success. There is at the present day however, no doubt but what gas can be produced in large quantities from anthracite culm. In fact the results obtained are marvelous, and the day is not far distant when the gas engine will replace the steam engine, our electric power and lighting plants will be run by gas thus produced, all manufacturing concerns now using steam power will use the gas engine exclusively.

Experiments have been carried on for some time in this city, and that success has been attained will be exemplified at the next meeting of the board of trade which will be held on Oct. 19, when a paper will be read showing the wonderful results obtained in the production of gas from the finer particles of anthracite culm, also from the culm just as it comes from the bank.

The publication of this paper is awaited with a great amount of interest by steam users all over the country, and it is belived that in the near future our city and valley will be transformed into a great gas producing centre.

The screening and washing of our culm banks is becoming general, and no doubt every culm bank in the anthracite region will eventually be cleaned in this manner, leaving only the dust behind. This is like utilizing the entire "hog" with the exception of the "squeal," and now a way is provided to virtually convert the "squeal" into a factor much more potent than the original "hog" could ever hope to be.

DIFFERENCE IS SLIGHT.

While it is evident that better results are obtained in the production of gas by using the culm fresh from the bank, yet the finer particles or dust as it is called contain more gaseous substance to the ton than does the original culm, and while it may not be so readily converted into gas, yet the number of cubic feet obtained from the one as compared with the other is so slight that it is not worth considering.

Not only will the use of this dust be of inestimable value to our city and valley as an inducement to manufacturers, but valuable lands will be cleared of these unsightly piles and our city beautified accordingly.

It would seem to the careful observer that a bright future is in store for Scranton by utilization of these enormous banks of culm in the production of gas for power purposes. The paper above referred to will be printed in full in the Tribune along with the report of the board of trade meeting to be held on October 19.

AMUSEMENTS.

At the Frothingham this and tomorrow evenings, and at a special popular priced matinee tomorrow, there will be seen a new melodrama entitled "In the Heart of the Storm." Willard Lee, who plays the part of Captain Hudson, of the United States revenue cutter service, and under whose direction the play has been staged, promises an elaborate and picturesque presentation, combined with novel and striking mechanical effects. The scenes of the play are laid in the south. The story of the play deals with the fortunes of Paul Hudson, a captain in the United States revenue service. A few years prior to the opening of the play his father had been accused of murder and dies in prison under the accusation, by one of his partners. Paul's one great purpose in life is to hunt down his father's traducers and bring them to justice.

* * *

Manager Long, of the Academy of Music, has secured a return engagement of "Hogan's Alley" for Saturday afternoon and evening. With "Hogan's Alley" are Gilmore and Leonard, known the world over as "Ireland's Kings," and their funny company of comedians. It has been the aim of the management in surrounding his stars with a company to support them, to get the best. New music, special scenery and properties are guaranteed to make this production perfect in every detail.

* * *

One of the big dramatic events of the season will occur at the Academy of Music all next week, in the appearance of Corse Payton's big comedy company, in a repertoire of comedies and dramas. Each play is presented in its entirety, and is staged and mounted with the handsomest scenery and properties ever displayed at popular prices. During the action of each play, there is given a number of refined singing and dancing specialties by Mr. Payton and members of the company. Between acts Sydney A. Toler, the renowned baritone singer, will render several selections illustrated with very fine views by an Edison stereoptican. The performance is continuous from the rise to the fall of the curtain, so that all attending will have no long, tedious waits between acts. Prices 10, 20 and 30 cents.

CITY SPORTS COMPANY.

The Funniest Entertainment of the Season at Davis' Theater.

Delighted audiences witnessed the opening performances of Sheridan & Flynn's engagement at Davis' theatre yesterday afternoon and evening. In "City Sports" many of the artists of the Sheridan & Flynn combination of last season appear, but the entertainments have been much improved in almost every detail, with new acts and new jokes, and "City Sports" may be numbered among the funniest entertainments that have been given at this theater. Misses Howard and Earl in their up-to-date character songs were well received, and the musical comedians, George Snyder and Harry Buckley, gave a performance of excellence that evoked enthusiastic encores. Charles Johson and Dora Dean, octaroons, were among the new faces, and their songs and dances were among the most original and amusing of the programme and were repeatedly encored. The special comedy work of Dave Foster and Fanny Lewis was up-to-date and sparkled with originality.

Mlle. Meza, the Spanish contortionist, performed fegts that were new and marvelous, and the grotesque dancing of Misses Delmore and Jerome was well received. The other comedy work and musical features were brightly interpreted by Miss Crissie Sheridan, Phil Sheridan, J. J. Mackie and a large chorus of handsome young ladies.

"City Sports" will be repeated this afternoon and evening.

OFF FOR CANTON!

The people's excursion to Canton will leave Scranton tonight at 7.50 o'clock. Fare only $3.75 for round trip. Return Sunday afternoon, over the Alleghanies by daylight. A grand trip and a grand speech by the next president at the Canton end of it. All aboard!

THE FOOT BALL WORLD.

If you go into the highways and byways of this city, and listen to the conversation carried on between the school boys and their elder brothers, you will hear some strange expressions. You will hear of "touch-downs" and "on side" and many other queer and foreign like phrases. You will hear of long runs, good tackles, excellent punts; for the foot ball season is upon us and from now on until Thanksgiving day, long haired boys will strut around glorifying in blackened eyes and strained ankles. Truly it is a great game and a fitting substitute for the great national game of base ball.

The prospects for a good first-class representative team in this city, were never brighter than they are this year. But nevertheless no team has been found owing to disinclination on the part of the players to exert themselves before such small audiences as greeted the champion team of "95." Winning as it did, ten of the twelve games played, and those too from some of the best athletic teams in the country, the team deserved better patronage and it is not at all surprising that the boys are discouraged. However there is plenty of time yet, between this and Thanksgiving day, to form an excellent team. With all the old men and such new ones as have lately returned from the various colleges and schools, a team could be picked that would equal if not excell the one of last year.

* * * * *

There are a number of smaller teams in the city, the most promising of these being the Lackawanna school team. This team is the oldest in the city and has been in existence for the past ten years. Up until last year they have always held the championship of the city among the school teams, when they were compelled to give way to the Scranton Business College.

This year, under the tutilage of Laurie Bliss, the noted Yale half-back, the boys expect to wrest a victory from the Business College boys and regain their lost prestege. Five games have been scheduled so far, the majority of which will be played at Athletic Park. Two of these games are to be played against the old time enemy, the Hillman school, of Wilkes-Barre. The other three are with the Scranton Business College, the Wyoming Seminary and Keystone Academy of Factoryville. The boys practice daily at Athletic Park and under, what appears to be rather severe coaching of Mr. Bliss, are making rapid improvement. A number of good men were lost by leaving school at the end of the term, leaving only a few of the old men to form a nucelus for a new team.

* * * * *

Fred Clark, '97, who has played center rush for three years has been elected captain and is doing his best with the raw material at hand. Parke, a new man, who played on the Wilmington School team last year, has bolstered up the team in one of its weakest points, namely at tackle.

Mott, last year's half-back is playing full back, Andy Walker, of the Orange Athletic team taking his place at half-back. All the rest, excepting a few of last year's subs are raw and need plenty of coaching. However, nothing much can be expected from the boys so early in the season, as they have only lined up two or three times against any other team. Saturday the boys go to Factoryville. The outcome of the game is awaited with anxiety.

E. W. T.

LEONARD, THE ADONIS.

Measurements of the Boxer's Body by Doctors Yesterday.

Mike Leonard, the pugilistic adonis, had the measurement of his body taken in Dr. John O'Malley's office on Spruce street yesterday afternoon in the presence of Drs. Longstreet, Pennypacker, and Reedy, F. C. Albright, of the New York World, Harry Bregstein, of New York, and a Tribune reporter. The measurement was taken by Dr. Longstreet and O'Malley, and the physicians pronounced him as perfectly constructed a man as one can be.

He stands 5 feet 6 inches and weighs 136 pounds. Before the tape was put on him he gave an exhibition of the development of his muscles, such as Sandow gave in his performance. The general opinion was that in point of training he could not be in more desirable shape for his meeting tomorrow night at Music Hall with Jim Judge.

His natural chest measurement is 38½ inches. With the air expelled from his lungs it is 33 inches, and expanded to its fullest stretch it is 40 inches. In a straight line across from shoulder tip to shoulder tip it is 17 inches. His neck is 16 inches around with the muscles at rest and with them expanded it is 2 inches more.

His biceps is 12½ inches and expanded it is 13½. Around the middle of the forearm it is 11 inches and around the wrist, 6¾ inches. The length of his arm is 27½ inches and the distance across with his arms stretched out is 68¾ inches. His waist is 30½ inches; his hips 35½; around the middle thigh 20½; around the calf 14¼; and around the ankle 8¼ inches.

He went to Music Hall afterward and gave a brief but very clever exhibition of bag punching.

GRAND AND PETIT JURORS DRAWN

Names of Those Who Will Serve During the November Term.

FORTY-EIGHT TO SERVE EACH WEEK

Judge Archbald Handed Down an Order Reducing the Number from Sixty on Account of Only One Court Being in Operation--One Hundred and Twenty Names Taken from the Wheel.

Sheriff Clemons, Jury Commissioners John F. Mannion and T. J. Matthews, and Clerk Charles F. Wagner drew jurors yesterday afternoon, twenty-four citizens to serve on the grand jury which will be in session the week beginning Monday, Nov. 2, and a panel for each week of the two of criminal court which begins on Monday, Nov. 30. Judge Archbald handed down an order yesterday before the jurors were drawn fixing the number to be drawn for each week of court as 48 instead of 60.

This is on account of the fact that only one court will be in session until the repairs are completed on the county building. The list of jurors is as follows:

GRAND JURORS, MONDAY, NOV. 2.

A. McAndrew, hotelkeeper, Scranton.
Morgan Sweney, councilman, Scranton.
George Bishop, gentleman, Carbondale.
William Kane, barber, Scranton.
Jas. P. Watson, bookkeeper, Scranton.
T. J. Matthews, farmer, Spring Brook.
James Zerfass, plumber, Scranton.
Charles Snover, blacksmith, Ransom.
John Walsh, huckster, Minooka.
Zacharias Swingle, merchant, Jefferson.
D. B. Thomas, commercial traveler, Scranton.
Chas. Wartowski, merchant, Scranton.
John McHale, millhand, Moosic street, Scranton.
Thomas Thomas, moulder, Scranton.
Patrick McCann, clerk, Carbondale.
Michael McDonald, hotelkeeper, Taylor.
Daniel W. Davis, miner, Scranton.
Capt. Joseph Scanlan, miner, Scranton.
Wm. H. Parry, miner, Scranton.
Thomas Quinn, school director, Carbondale.
W. S. Graves, farmer, Scott.
Wm. Hughes, clerk, Carbondale.
Frank E. Hutchinson, carenter, Scranton.
Thomas Coggins, miner, Scranton.

PETIT JURORS, MONDAY, NOV. 30.

Wm. L. Baker, engineer, Scranton.
Marion Clark, farmer, Benton.
H. G. Doud, stenographer, Minooka.
Benjamin Harris, miner, Blakely.
John T. Mannion, cigar agent, Carbondale.
Patrick Purcell, miner, Carbondale.
Dominick Kearns, bartender, Carbondale.
John Cox, laborer, Jermyn.
Wm. A. Avery, secretary, Scranton.
Harry Williams, clerk, Carbondale.
George Brown, machinist, Scranton.
James Robinson, carpenter, Carbondale.
Walter A. Browning, agent, Scranton.
Richard Morgan, engineer, Scranton.
J. E. Edwards, station agent, Glenburn.
Henry Gratten, foreman, Scranton.
Frank D. Watts, manager, Scranton.
Samuel Broodhead, jr., justice of peace, Old Forge.
Fred C. Dimler, barber, Scranton.
John J. Neuser, machinist, Scranton.
Thomas Evans, clerk, Scranton.
J. L. Hartman, merchant, Glenburn.
Daniel E. Davis, miner, Scranton.
Luke Burns, barber, Scranton.
Benjamin Cannon, druggist, Moscow.
John Fulton, driver, Carbondale.
C. H. Van Buskirk, ticket agent, Scranton.
Charles Pelham, laborer, La Plume.
Peter Neher, machinist, Scranton.
T. J. Morris, farmer, Spring Brook.
Edgar J. Hull, farmer, Blakely.
D. Silverstein, merchant, Raymond court, Scranton.
Howard Durie, engineer, Scranton.
O. D. Secor, barber, Blakely.
Daniel Parry, miner, Blakely.
John Barrett, miner, Archbald.
M. Gallagher, hotel, Winton.
Thomas H. Jenkins, fire boss, Taylor.
Joseph Speicher, barber, Scranton.
D. J. Slowe, machinist, Scranton.
Daniel Mathews, laborer, Scranton.
Lewis Blochberger, tailor, Olyphant.
Patrick Lynch, constable, Jessup.
J. G. Deitrick, huckster, Scranton.
Thomas Coggins, laborer, Stone avenue, Scranton.
Jacob Harris, hotelkeeper, Scranton.
Patrick Murphy, miner, Lloyd street, Scranton.
M. J. Walsh, ex-keeper, Scranton.

PETIT JURORS—MONDAY, DEC. 7.

Robert J. Haag, foreman, Scranton.
Arthur Lewis, miner, Scranton.
Benj. Phillips, contractor, Scranton.
W. A. Roach, superintendent, Scranton.
Edward P. Gross, jeweler, Scranton.
H. G. Simpson, farmer, Covington.
James Roberts, laborer, Jermyn.
M. S. Knight, civil engineer, Dunmore.
John Lutz, farmer, Covington.
C. Foster, farmer, Benton.
W. O. Worth, farmer, Greenfield.
August Reidenbach, machinist, Scranton.
George Schlager, stonecutter, Scranton.
Michael Higgins, salesman, Scranton.
Eber Browning, carbuilder, Dunmore.
J. L. Hull, merchant, Scranton.
Ed. Softley, jr., bricklayer, Scranton.
John Campbell, farmer, Covington.
Jeff Duffy, miner, Carbondale.
L. W. Burns, barber, Scranton.
John Westpfahl, merchant, Scranton.
Reese Anthony, miner, Bellevue.
Patrick B. Ryan, foreman, Scranton.
Rev. F. A. King, clergyman, Taylor.
A. A. Davis, wheelwright, So. Abington.
B. A. Hill, merchant, Scranton.
Ephraim Gilliland, farmer, Covington.
Peter Nealon, laborer, Scranton.
Thomas Carroll, weighmaster, Carbondale.
George F. Miller, farmer, Scott.
Andrew Wells, farmer, Benton.
Fred. Karius, miner, Scranton.
V. L. Sampson, watchmaker, Archbald.
Herman W. Young, merchant, Scranton.
John Scanlan, operator, Madison.
C. Edwin Blair, clerk, Scranton.
John Killeen, supt., Carbondale.
William Hatch, farmer, Scranton.
Henry Loftus, sr., miner, Fell.
William McHale, hotel, Dunmore.
P. G. Walsh, laborer, Scranton.
F. L. Hodgson, laborer, Covington.
P. B. Stone, clerk, Waverly.
Rev. Thomas B. Bargar, clergyman, Scranton.
David J. Evans, merchant, Scranton.
William D. Morgan, miner, Scranton.
Joshua Doran, farmer, Covington.
Jerome Morrow, farmer, Glenburn.

COAL PRICES ADVANCING.

Freight Rates Increased and Collieries Are Resuming Work.

"The coal trade is in a betetr condition than it has been all summer," said a prominent coal operator in talking to a Bulletin reporter today. "Many collieries which have been working with half their force for only three days in the week are now running five days and have engaged their full force at full time each day. If the demand keeps on increasing as it has during the last month, they probably will work six days.

"Prices are stiff, and the demand is healthy. Feights are advancing, and are expected to be raised still further as cold weather comes on. The prices have been sustained by some combination of coal men, but the reported advance of $1.50 a ton is an exaggeration. There has, however, been a raise of about sixty-five cents in some coals. There is a talked-of increase in pea coals, but it has not yet materialized. If it does come, it will probably begin about the middle of October.

"The owners of mines and collieries, which have laid idle or have been run at a loss, are hoping for a resumption of trade. The value of coal in the Philadelphia and Reading railroad mines would be sufficient to pay a dividend on the stock of that corporation if it could be disposed of at a profit, but the insufficient demand during the hard times has kept the trade inactive."—Philadelphia Bulletin.

INVITATION ACKNOWLEGED.

Letter Received from Brotherhood of Carpenters and Joiners.

Secretary Atherton of the board of trade yesterday received the following letter from P. J. McGuire, of the United Brotherhood of Carpenters and Joiners of America:

Philadelphia, Pa., Oct. 5.

D. B. Atherton, Esq., Scranton, Pa.

Dear Sir: Your telegram to our convention at Cleveland, Ohio, was read to that body. The invitation to hold our convention in your city was hospitably entertained, but the convention finally decided to meet in New York city. Your city, however, received quite a complimentary vote on the first and second ballots. Yours,

P. J. McGuire.