NDUSTRIAL AND LABOR

LACKAWANNA STEAM PLANT AT THE HAMPTON.

Lengthy Description of It in the Current Number of Mines and Minerals-Plant Is to Supply Steam for Five Collieries, a Washery and a Coal Storage Plant. The D., L. and W. Board for Today-New Gas Detector Invented by M. D. Mackie, of This City.

The current number of Mines and Minerals has a description of the new Lackawanna steam plant at the Hampton from which we cull the following:

One of the most recent and thoroughly up-t tlate boiler installations in the anthracite field i the Hampton plant of the Delaware, Lackawanna and Western railroad. This plant, which has been but recently installed and is not yet in comple working order, has been built under the general direction of Mr. E. E. Loomis, general manager of the coal department of the Luckawanna railroad. The Hampton plant is situated in the Keyser Valley in Taylor borough, just across the city line of the city of Scranton and about 21 miles from the center of the city. Keyser valle is one of the small folds in the Lackawants valley, and in it are located one group of work-ings of the D. L. & W. company. It is to supply ateam to a group of five collieries, one washery, and a Dodge storage plant that this plant is intended.

The plant contains fifteen 325 horse-power Babcock & Wilcox boilers, a total of 4,875 horse power arranged as shown. The fuel is No. washery buckwheat coal reclaimed from old dumps. This coal is dumped from railroad cars into the coal pockets running underneath the trestle the full length of the boiler house. It feeds directly by gravity from the pockets brough a chute into the McClave stokers. Both forced and induced drafts are provided by blowers and fans located in the annex to the main boiler house. The gases of combustion pass into the main flue, then through the Green fuel economizers and into the stack. The boiler feed-pumps are located in the center of the main

building,
The ashes are dropped by the McClave stokers into a pit, whence they drop through the hopper doors which are opened by the balance handles and drawn into an ash car, which is elevated and dumped into pockets located below the boiler house, from which the ashes can be drawn into a large car, after it has discharged its fuel in the bins in front of boiler house. These are taken out and used by the railroad company for ballast, filling, etc.

This arrangement enables one man on each and there is no wear and tear on conveyer and elevator appliances. The water for the plant is stored in a reservoir built of ash concrete. The walls of the reservoir are 15 inches thick and are reinforced by old wire ropes which are em-bedded in the concrete to give it stability. The capacity of the reservoir is 500,000 gailons, and the water is taken from the general water sys-

tem of the D., L & W. company.

The walls of the main boiler house building and of the annex containing the tans and blower are of brick 13 inches thick and they are laid on concrete foundations. The roof, which is of timber covered by gravel roofing, is supported by timber braces. The coal pockets are of tim-ber supported on trestling, lined with heavy 2inch planking. The floor is cement, laid with just enough slope so that the water will drain off easily when the hose is turned on it for the purpose of cleaning. All pipes are covered with the highest grade covering. The interior of the house is painted with white freproof paint; the machinery and iron work are painted black; while the exterior is painted the D., L.

To properly prepare for ventilation and light the building is supplied with 110 good size win-dows and equipped with electric lights. The boilers are of Babcock & Wilcox vertical

header type. There are seven batteries of two boilers each and one battery of a single beiler, the total capacity being 4.875 horse-power. Each McGovern boiler has two steam and water drums 42 inches in diameter and 20 feet 4 inches long, and 16 sections of tubes, each section consisting of nine wrought-iron tubes 4 inches in diameter and 18 feet long. These are connected to the steam and water drum by 4-inch tubes expanded into the upper ends of the headers and into wroughtsteel cross boxes on the under side of the drum. The boiler is suspended at front and rear from wrought-iron supporting frames entirely independent of the setting, thus allowing for contraction and expansion. The plant is designed to carry a working pressure of 150 pounds to the

These new boilers differ from the older types In having the headers vertical instead of in-clined at an angle of 15 degrees. The advantages gained from this form of construction are: First, Reduction in floor space occupied by the boiler, the length of a boiler having 18 tubes being only 19 feet 9 inches against 23 feet in the older forms of construction. Second. Provision for necess to the rear headers of these boilers is a great deal more convenient. The back of the boiler consists of a system of wrought-iron doors opening on hinges exposing the headers and handhole caps to inspection in daylight and the open air. In the older form of inclined header boiler it was necessary to enter a back chamber in the brickwork through a small door in order to get at these back headers.

The boiler installation at Hampton has been made with the special view to utilizing the very lowest grades of anthracite coal. Perhans the special feature of the installation most of note, is so far as it relates to the boilers, is the very complete plan for the use of forced draft, in a very elaborate system of air ducts and controlling devices for delivering this air under the grates of the boilers. It is absolutely accessary in burning low grades of anthracite fuel, which



The book-keeper's eccupation renders him specially liable to stomach trouble. The hasty breakfast, the "quick lunch," the long hours spent in stooping over journal and ledger, with lack of exercise, all tend to the derangement of the stomach.

When the stomach is in a healthy condition the feeling after a meal is one of satisfaction and comfort. Whenever there is discomfort after eating it is a sign of stomach derangement or disease. Dr Pierce's Golden Medical Discovery cures diseases of the stomach and other organs of digestion and nutrition perfectly and permanently. The cures effected by

this medicine are almost countless.

"I have taken one bottle of Dr. Pierce's Golden Medical Discovery for indigestion and liver complaint," writes Mr. C. M. Wilson, of Yadkin College, Davidson Co., N. C. "Have had no bad spells since I commenced taking your medicine—in fact have not felt like the same man. Before I took the 'Golden Medical Discovery' I could not eat anything without awful distress, but now I can eat anything I wish without having unpleasant feelings."

Don't be fooled into trading a substance for a shadow. Any substitute effered as " just as good " as "Golden Medical Discovery" is a shadow of that medicine. There are cures behind every claim made for the "Discovery," which no "just as good" medicine can show.

Dr. Pierce's Pleasant Pellets cleanse the bowels and regulate the liver. They this medicine are almost countless.

the bowels and regulate the liver. They produce permanent benefit and do not react on the system.



This young lady is looking into the baking powder question in a practical way. She will find that, using Cleveland's Baking Powder, and a Cleveland receipt book, she can make cake and rolls finer than the baker's and save half the cost.

Besides, she will be sure that they contain no alum and are absolutely pure and wholesome.

mats down close to the grate, to provide pres sure to force the necessary air for through the mass of coal,

New Gas Detector.

M. D. Mackie, of this city, has intecting gas in mines, sewers and the

It is claimed to be extremely sensitive and accurate and will when generally adopted, prevent in a large degree the gas explosions which often cause such great havoc in mines.

D., L. & W. Board for Today. The following is the make-up of the Delaware, Lackawanna and Western board for today:

MONDAY, MARCH 10. Extras East—8 p. no., D. Wallace; 10 p. m., J. H. Rowe; 11 p. m., Hoboken, Rucgg.

TUESDAY, MARCH 11.

Extras East—1.39 a. m., Hoboken, M. Laugh ney; 4 a. m., W. W. LaBar; 5 a. m., E. M. Hal lett; 6 a. m., Hoboken, J. Gerrity; 9 a. m., Ho boken, Mullen; 10 a. m., C. W. Dunn; 11 a. m., O. W. Fitzgerald; 1 p. m., G. T. Staples; 2 y m., Hoboken, Harvey; 3 p. m., H. Bisbing; 5 p m., Hoboken, J. H. Stwartz; 6 p. m., M. J. Her

George Frountelker; 9 a. m., Nichols; 11 a. m., J. J. Murray with E. McAllister's crew; 2 p. m., Thompson; 6 p. m., J. Hennigan; 8 p. m., Go

a. m., Houser: 11.45 a. m., Moran; 6 p. m., O. Bartholomew: 7.30 p. m., F. McDonnell; 9 p. m., W. H. Bartholomew: 10 p. m., Lamping. Helpers-7 a. m., Gaffney; 7 a. m., Singer; 10 a. m., F. Case; 6.45 p. m., Lattimer; 8.30 p. m.,

Extras West-7 a. m., O. Randolph; S a. m. Gahagan; 4 p. m., R. Castner.

NOTICE

H. T. Fellows will take his own 8 a. m. F. McDonnell will run 7 p. m. extra, March 10 with Nealis' crew.

William Gilligan will run 7,30 p. m. pushe Brakeman G. W. Chubb reports for Fitzgerald Brakeman A. Inman reports for Fellows. Brakeman W. A. Brown reports for E. M. Hal

Brakeman F. McAnulty reports for William Me Allister.
Brakenen John Hetherson, O. Burkhart and

Daniel R. Reese, of Plymouth, yesterday succeeded John R. Wilson as attorney for the Delaware, Lackawanna and Western coal department. Mr Wilson becomes chief clerk to General Manager E. E. Loomis.

New and attractive signs were placed yesterday over the doors leading to the offices of General Superintendent Clark. Trainmaster McCann, Superintendent Rine, the telegraph office, engineer of the coal department, superintendent of Bridges and Buildings Hixson, Claim Agent Stilwell, Superintendent of Car Service Casey, Chief Special Agent Adamson, auditor of the coal accounts and coal mining departments in the Lackawann railroad office building.

DOGS IN COLD STORAGE.

Travelling to Australia in Ice Cooled

Rooms to Join Antarctic Explorers. A score of dogs are on their way to Scranton. Melbourne, Australia, from England, in a cold storage ship. They have to former partner, William J. Boland. be sent in that way because they are Messrs, Carroll and Padden applied Esquimaux dogs from the coldest part for a renewal in their own name and of Russia and could not stand the heat were refused. M. F. Langan applied the ships will encounter in passing for a license for T. J. Langan's place; through the tropics.

Even if they survived the trip if they took it outside of the cold storage for P. J. Diskin's place. These three cooms the heat would enervate them applications, together with that and leave them unfit for the hard work they will soon have to tackle. The dogs are intended to draw the sledges of the British party on the steamer Discovery, which is bound on a voyage of exploration in the Antarctic,

They are strong, wonderfully trained and can drag heavy sledges over snow and ice at a rattling pace. Their diet is dried fish, which thoroughly agrees with them.

They will reach Australia before th Discovery and will be kept in the artificially cooled rooms until the exploring party is ready to sail.

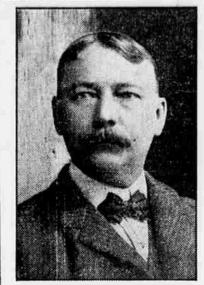
For Martyrs, Not Fools. If St. Peter will hold all those to account implicate him in stories inferno will be full of tory tellers. However, they're good stories a rule, and ought to be entitled to a respectfu earing, halo or no halo. Thus, C. H. Beardsle is made to respond to a knock at the heaven gates-not ajar, as popular belief would have it St. Peter grumbled a bit. "And what do you want?" "What do you suppose?" said the call-er. "I want to get in, o fcourse." "Are you a married man?" "I am that," was the reoly. "Very well," said the saint, "come in, pooman. You have had your purgatory on earthman. You have had your purgatory on earthpass in." "Immediately there was another
knock. "I want to come in, too," said a voice.
"Are you a married man?" "Well, rather,"
quoth the petitioner. "I've been married three
times." And the good old saint, wrath in his
eye, pointed a fisming finger downward: "Get
out! This place is for martyrs, not for fools!"
—Cleveland Plain Dealer.

GRAND JURY IN SESSION

IT WAS CHARGED BY JUDGE E. C. NEWCOMB.

S. J. Matthews, Postmaster of Olyphant Was Named as the Foreman-Constables Made Their Reports-Bridges and Roads in Bad Condition Because of the Recent Floods-Constable Clark Said No Deer Were Killed Out of Season in the Eighteenth Ward.

The grand jury met yesterday morning and was charged by Judge E. C. Newcomb, that being his first charge of that nature since he became judge. There was nothing of a sensational nature about it. He carefully outlined



JUDGE E. C. NEWCOMB,

the duties of jurors and explained the high nature of the work a grand juror vented and patented a device for de- is called upon to perform. The sacredness with which the evidence that comes before the jury should be regarded was also dwelt upon.

The jury was sent out with S. J. Matthews, postmaster of Olyphant, as foreman. Jurors excused were P. J. Honan and Michael Spellman, of Scranton, and S. D. Davis, of Jermyn. The cases considered by the jury during the day were

Returns of Constables.

In their reports to court yesterday the constables of the county told of a number of bridges and roads that are in bad condition. In all but one case the bad condition was due to the recent rains and floods. The exception was a road in the First ward of Dunmore, reported by Constable E. E. Swartz, who said that one of the roads in that ward has been had so long that the condition is chronic

Constable Fred Addison, of Old Forge reported that David Freedman is selling liquor without a license and that Charles Jacobs is selling on Sunday. Constable John Murray, of the Second ward of Olyphant, reported that John Meke and wife are conducting a tippling house.

Constable James J. Kelly, of the Third ward of Winton, reported that Salvatore Cappello is selling without a li-When Constable James Clark, of the

M. Carmody; 11 a. m., F. Wall; 2 p. m., John Bighteenth ward, came forward to present his report he said the roads in his bailiwick are in good condition, the laws with reference to dispensing liquors obeyed and no children were born out

"Any deer killed out of season?" asked the court, without the suspicion of a smile.

"No, your honor," replied the constable with an equally serious mein. When another constable was sworn the judge said in the most innocent "Any difficulty in securing a Way: drink up your way on Sunday?"

"Oh, no," promptly replied the constable. Then he bethought himself of the meaning of his reply, shifted from one foot to the other, twirled his hat around in his hands and then with many a blush and stammer informed he court that his vocal organs had played a trick upon him. What he meant to say was that it was impossible to get a drink on Sunday. The court had to accept the correction.

More Licenses Revoked.

Eleven more of the liquor licenses attacked by the Municipal league for Sunday selling have been revoked, They were held by the following per-

P. J. Regan, Dunmore; John Swallow and P. J. O'Donnell, Second ward, Olyphant; P. J. Diskin, Lackawanna township: T. J. Langan, Eighth ward; J. J. Padden, Seventh ward; Michael Lynett, Twelfth ward; J. J. Flaherty, Eighth ward: George W. Evans, Fifth ward: Elizabeth Reese, Fifteenth ward: John Carroll, Eighth ward,

Regan's place was re-licensed to his P. F. Flaherty applied for J. J. Flaherty's place and John Diskin applied Martin Healey, of Olyphant, are held under advisement by the court.

Only Two Cases Open. Continuances were granted yesterday

by Judge Newcomb in five of the seven cases on the list for this week's session

of equity court. The case of A. D. Dean, et. al., against B. M. Winton, executor, et. al., will be heard today. The case of Jennie Dean against Franklin Howell is ready for a hearing, but Judge Newcomb having been counsel in the case, cannot hear it. Possibly Judge Kelly

will take it up during the week. The cases continued are: Mary Lyden against Anthony Lyden, William L. Purcell against T. J. Dougherty, A. D. and F. M. Spencer against the Nay Aug Coal company, B. S. Robinson against J. M. Kemmerer, and E. W. Gearhart against G. D. Starhr, et. al.

Appointment Was Short Lived.

Last Saturday, on petition of a numher of citizens of Old Forge, court appointed Arthur Stewart as borough auditor to succeed James Hannon, jr., who had moved to York to take up a permanent residence.

Saturday afternoon Mr. Hannon reurned from York and announced his intention of remaining a resident of Old Forge. This was called to the attention of court, yesterday, and the Stewart appointment was revoked.

The Case Settled.

A settlement was yesterday filed in the case of John and Minnie Zengner and their son, Lawrence Zengner, who sued the Scranton Steam Pump company to recover damages for injuries sustained by the boy on Dec. 5, 1901. The parents receive \$59 for nursing and medical attendance and the boy \$160 for the injuries he sustained.

COURT HOUSE NEWS NOTES.

Court has granted a charter to the Scranto Stone Cutters' Local union.
A marriage license was yesterday granted t Claude B. Franklin, of Nicholson, and Stella I Race, of Scott.

The preliminary injunction in the case of the

New York, Ontario and Western Railroad com-pany was, Jesterday, further continued until Monday, May 5, 1902. Rules to remit costs were granted yesterday in the cases of the Commonwealth against John Malloy and the Commonwealth against John

Smith and Warren Stanton,
An appeal was yesterday taken to the Suprem ourt in the case of Daniel R. Watkins, in his own right, and as administrator of Thomas E. Watkins, deceased, appellant, against Benjamin

divorce in the case of Ida E. Abbey against Clarence E. Abbey. In the divorce case of Eliza Krieger against August W. Krieger publication was directed. Frank R. Gill and Bartley Mullen have been appointed to fill vacancies in the office of overseer of the poor in Jermyn borough. The va-cancy existing in the same office in Jefferson township, by reason of the failure to elect, has

Theatrical.

TODAY'S ATTRACTIONS.

LYCEUM-Frank Keenan as "Hon. John Grigsy. Night. ACADEMY OF MUSIC—Chester De Vonde com STAR-Twentieth Century Maids. Afternoor

IIIGII SCHOOL-Mendelssohn quartette com Last of the Brockway Series.

The Brockway series of entertainments given on a large patronage at the Lyceum this winter, closed last night, with readings by George Rid-dle and instrumental music by the Listermann trio, of New York. Like its predecessors it was of a high class and gave good satisfaction.

Mr. Riddle read the Hugo drama "Lucretia Borgia." His portrayal of the almost continu ously tense emotion of the various characters in this tragic, not to say awful, story, was truly c. To students of Hugo it was a rare His casual readers migh have been betartistic. ter satisfied with something relieved by at least

one laugh. However, there was no dissatisfac-tion, though there were hopes expressed that when he comes again he will be heard in a va-Paul Listermann, violinist; Franz Listermann violincellist, and Miss Ellen Berg-Parkyn pianiste, comprised the Listermann trio. The endered solos, duos and tries and acconents to Mr. Riddle's reading. Their playing did not evoke much enthusiasm. One selection won the distinction of not receiving a single hand clap or any other demonstration of applause.

The De Vonde Company.

Few repertoire companies that come to this Vonde Stock company which last night began a Jingle, two weeks' engagement at the Academy of Richa

The play presented last night was the four-act drama, "The World's Great Mystery," which is one, of absorbing interest and was last night given in an excellent manner by a company head by Chester De Vonde. This afteroon the company will be seen in "The Counterfeiter's Daughter" and tonight "Ten Ton Door" will be the attraction.

"Social Maids" Comrany.

The "Social Maids" Burlesque company, which has been heralded as one of the best attractions of the season, began a three days' engagement at the Star theater yesterday afternoon and was greeted by a full house. The "Social Maids" sertainly fulfilled the promises of Manager Her rington in the matter of excellence and gave the best entertainment seen at the Star since the visit of the famous "Transalantics." The chorus, which is one of the handsomest and best gowned upon the road, is led by Josette Webb, the well known soubrette, who spent last summer in Scranton; Ollie Omega and Nellie Fenton, and s up-to-date in every particular. The olio is composed of novel acts by Eddie

Haves and Mona Wynne; Mareena and Smith, Omega, and John A. West, the musical Brownie, The special acts are interspersed with beautiful and artistic living pictures that evoked hearty applause. The performance closes with a some very funny and handsomely costumed. The "Social Maids" will be at the Star today and tomorow afternoon and evening.

Frank Keenan.

"A triumph in dramatic art" has become technical with critics and newspaper men in describing Frank Keenan's work at the close of the second act in his new production of "Hon, John Grigsby." When the "Hon, John Grigsby" learns the condition of his nomination the audience becomes spellbound and silence prevails, save the ticking of the old office clock on the mantel piece. The scene is a most impressive one for its naturalness and originality. Keenan and his conscientious company will un-doubtedly be greeted by a large and fishionable audience when the performance is given in this city. Comes to the Lyceum theatre tonight.

Innes and His Band. limes' spectacular production of Michaelia's "The Village Blacksmith," with its red-shirted anvil beaters and unique electrical effects has been criticised by some of the Wagner devotees, at Buffalo, where the band appeared at the Pan-American exposition. They say Innes has step-ped down from the dignity, not to say halo, which attaches to him as a prominent inter-preter of "the music of the future." All during the season, they have been spreading the gospel that "there is but one Wagner, and Innes is his prophet," and then, on the home stretch, as it were, the popular bandmaster comes out with sensational number which catches the socalled common people's taste to such an extent that standing room was at a premium.

The big Temple of Music was packed at every performance. And worse yet, lines announces this very selection as one of the features of his present tour. He will, however, not neglect the sires of those among his admirers who demand ore substantial musical fare. To this end, many table artists will be heard in connection with at the Lyceum theater.

"Flerodora."

Coming almost direct from its wonderfully suc-essful run of three weeks at the Columbia theater in San Francisco and enroute from a week of record-breaking business at the pretty Tulane theater in New Orleans, the big "Florodora" com pany of ninety-two players will fill an engage-ment at the Lyceum theater Thursday and Friday night for which the sale of seats opens this

eans and San Francisco this company has been tesas and San Francisco this company has been credited with being far superior to the original English company, which is still playing with undiminished successin London. The principals are all talented, the girls are delightfully pretty, and the production is simply gorgeous, the libret

This signature is on every box of the genuine Laxative Bromo-Quinine Tableta

VALUE OF TESTIMONY.

that when we have been able to aid

Greater Than Assertion. There is none of us so hardened but

our fellow creatures by conferring a benefit or bringing a little comfort into their lives we like to have appreciation shown. This generally affords more pleasure than the performance of the act itself, and in this connection the following letter from a Paris, Texas lady is of more than usual interest Dear Friends: I address you as such for you have been such to me. I suffered for three years off and on with piles. I was treated at the hospital and the new and elegant hospital, of Memphis; they only gave me tempor ary relief. I came west, thinking the change of air and water would benefit me; five months ago the bleeding piles came back on me, and bled so much that I thought I would die. I have had four of the finest doctors in this section of Texas; all they did was to finally nearly let me go to my grave: all they wanted was a big sum of money from me and to operate on me I said no, no surgeon's knife would enter me; if it was my time to die God knew it, and when I died I would die all together. I began hearing about your medicine. I had no faith in you, but I sent and got a box of your Pyramid Pile Cure; in two days the blood flow had slackened to one-half the amount, and in one week I felt so nuch better I walked four blocks and did a little housework. I was not bleeding then; in three weeks I was well. God bless you for putting such a wonderful medicine within the reach of suffering men and women. I shall never cease to recommend your medi-

cine or be without it; also I used your Pyramid Pills, Sallie A. Hearndon." Testimony like this should be more convincing than all claims and assertions, and should leave no doubt in the mind of the reader as to the merit of the remedy. Pyramid Pile Cure is sold by druggists for fifty cents a package, or will be mailed by the makers to any address upon receipt of price. Write Pyramid Drug Co., Marshall, Mich.,

to is the brightest and wittiest of recent year the music is the catchiest and the most tuneful ever crowded into one play, and for those and for other equally as good reasons, no onshould fail to be on hand when the curtain vises

for their book on cause and cure of

that to see and hear the famous double sextette in "Tell Me, Pretty Maiden" is alone worth the

STAGE NOTES. The report comes from New York that B. F. Keith will open a continuous house in Pittsburg to be ready by the beginning of next season. Sadie Martinot, the actress and wife of Louis Nethersole, sold her household goods in York during the past week and they will go

May Howard and her burlesque company ha been barred out of the Burlesque Managera' as sociation and finding dates hard to secure, she threatens suit for boycott.

William H. Crane and Stuart Robson will ap-pear together in one performance of "The Henrietta" in New York this spring for the benefit of the Actors' Fund of America.

Grace George will continue to play in "Under Southern Skies" through the early part of next season, producing a new comedy by an English author late in November or early in December, Grant Stewart, a member of Daniel Frohman's stock company, has been engaged for the chief

support of De Wolf Hopper next season in "Mr city are greater favorites than the Chester De Pickwick." Mr. Stewart will have the part of Richard Carle, the well known comedian and

plorers" which fits him like the proverbial slove and that he is making the hit of his life. LETTERS FROM THE PEOPLE.

funder this heading short letters of interest will be published when accompanied, for publica-tion, by the writer's name. The Tribune does not assume responsibility for opinions here expressed.]

Theory and Principles of Pumps.

Editor of The Tribune. Sir: I have been approached by a perplexed i quirer in regard to the theory, principles and workings of pumps; but still my intelligent friend arguments. Probably he might understand it better in print, and I guess the Scranton Tribune will not have the slightest objection to its publication. The forms of construction of numbs. and the modes in which they are applied, are necessarily very numerous, yet, so far as their principles are concerned, all are clearly referable to one of four classes: The sucking pump, the oreing pump, the lifting pump and the centri-

fugal pump,
The sucking pump, saction or lift pump, con sists of a cylinder, called the barrel, with a pip it the bottom, communicating with the water to be raised, and a pipe at the top to receive the water raised. There are two valves in the barrel one at the bottom and another at the top. This opens into the piston, which is moved up and down by means of a rod connected with the har fle, whenever the requisite power is applied When the piston is raised, the air in the barre between the valves is expanded, and becoming rarified exerts less pressure on the lower valve, which opens, and the whole air in the pipe and barrel becomes less dense.

The atmospheric pressure on the surface of the water, about fifteen pounds to every square incl causes it to rise in the pipe until the tension the confined air becomes equal to the pressure of the atmosphere. On again depressing the piston, its valve opens, and the air passes through it from the barrel as it descends; but the lower raive being closed by the downward pressure, the colume of water which has risen into the pipe remains. On again raising the piston, a similar process takes place, an additional quantity of water entering the pipe. Thus, by the alternate motion of the piston, a column of water is raises or lifted in the pipe until it reaches the pistor when at the bottom of the barrel, and all the ai below it has been excluded. On raising the pis-ton when the water has reached it, the fluid will necessarily follow it, owing to the atmospheric pressure on the surface of the brook or well from

which it rises.

When the piston is again lowered, the water pours through its opened valve, and rises into the barrel and by auccessive strokes is lifted up until it reaches and pours out of the spout. The at-mespheric pressure balances a column of water thirty-three feet in height, but owing to the difficulty of making the pump perfectly air-tight, is seldom that a greater height is attained vorking than twenty-five to thirty feet.

To be brief about it: In all kinds of pump the total effort required to work the machine Independently of friction, may be described a equal to the weight of a column of water whose base is equal to the area of a section of the working cylinder, while the altitude will corres pond to the distance between the surface of the water in the reservoir and the point to which i entire scenes from the best grand operss. Innes and his players will be here on Wednesday night players will be here on Wednesday night plexed inquirer, or am I right or wrong? Daniel Gegory, Elmhurst.

That Duryea Debate.

Editor of The Tribune. Sir: In Monday's issue of The Tribune, Mr. H Bowen states that your Duryea corresponden was abusing his privileges as correspondent be-cause he reported the true facts of a debate held March 1, at the Brick Methodist Episcopal

ported the truth and nothing but the truth It is not customary to have four judges and it a unusual for the chairman to leave his chair an loset himself with the judges when they ar reaching a decision. The chairman has admitted that he made an error, and the judges state the no rendered his decision on rhetoric, another o one rendered as de-bogic, etc., and did not reach a regular decision. But to quell the unpleasantness that is begin ning to crop out from the result of the debate the affirmative side challenges the negative to another debate, or a series of them. If a confer ence will end this unpleasant controversy, the af-firmative debaters will be pleased to meet the

328,764 Pieces of Pie a Day

Last year we sold ten million (10,000,000) packages of None Such Mince Meat. Each package made two pies=20,000,000 pies. Each pie made six pieces=120,000,000 pieces. An average of 54,794 None Such Mince Pies a day.

An average of 328,764 pieces of None Such Mince Pie a day for the entire year.

Somebody must be fond of

NONE SUCH MINCE MEAT

Ten cents a package. If your grocer won't supply you, write us, We know one who will be glad to. We will send you his name. MERRELL-SOULE CO.

Syracuse N.Y.

RAILROAD TIME TABLES

Delaware, Lackawanna and Western In Effect Nov. 3, 1901. In Effect Nov. 3, 1901.

Trains leave Scranton for New York—At 1.49, 3.15, 6.05, 7.50 and 10.05 a. m.; 12.45, 3.40, 3.33 p. m. For New York and Philadelphia—7.50, 10.05 a. m., and 12.45 and 5.33 p. m. For Tobyhanna—At 6.10 p. m. For Buffalo—1.15, 6.22 and 9.00 a. m.; 1.55, 6.50 and 11.35 p. m. For Binghamton and way stations—10.20 a. m. and 1.10 p. m. For Oswego, Syracuse and Utica—1.15 and 6.22 a. m.; 1.55 p. m. Oswego, Syracuse and Utica train at 6.22 a. m. daily, except Sunday, For Montrese—9.00 a. n.; 1.10 and 6.50 p. m. Nicholson accommodation—4.00 and 6.15 p. m. Bloomsburg Division—For Northumberland, at 6.35 and 10.05 a. m.; 1.55 and 4.10 p. m. For Plymouth, at 8.10 a. m.; 3.40 and 9.00 p. m. Sunday Trains—For New York, 1.40, 3.15, 6.05 and 10.05 a. m.; 3.40, 6.30 and 11.35 p. m. For Binghamton and way stations—10.20 s. m., Blcomsburg Division—Leave Scranton, 10.05 a. m. and 6.10 p. m.

New Jersey Central.

In Effect Nov. 17, 1901. In Effect Nov. 17, 1901.

Stations in New York, foot of Liberty street and South Ferry, N. R.

Trains leave Scranton for New York, Philadelphia, Easten, Bethlehem, Allentown, Mauch Chunk, White Haven, Asiley and Wilkes-Barre at 7,30 a. m., 1 p. m. and 4 p. m. Sunday, 2.10 p. m. Quaker City Express leaves Scranton at 7,30 a. m., through solid vestibule train with Pullman Buffet Parlor Cars, for Philadelphia, with only one change of cars for Baltimore, Washington, D. C., and all principal points south and west. For Avoca, Pittston and Wilkes-Barre, 1 p. m. and 4 p. m. Sunday, 2.10 p. m.

For Long Branch, Ocean Grove, etc., 7.30 a. m. and 1 p. m. on the first act of "Florodora" in this city. In New York and San Francisco they are saying m, and 1 p. m.

For Reading, Lebanon and Harrisburg, via Alcutown, at 7,30 a. m. and 1 p. m. Sunday, 2,10 p. m.

For Pottsville at 7.30 a. m. and 1 p. m.

For rates and tickets apply to agent at station.

C. M. BURT, Gen. Parv. Agt.

J. S. SWISHER.

Dist. Pass. Agt., Scranton.

Delaware and Hudson.

In Effect November 24, 1901.
Trains for Carbondale leave Scranton at 6.20, 5.00, 8.53, 10.13 a. m.; 12.00, 1.29, 2.34, 3.52, 5.29, 6.25, 7.57, 9.15, 11.29 p. m.; 1.31 a. m.
For Honesdale—6.20, 19.15a, m.; 2.34 and 5.29 For Wilkes-Barre—6.38, 7.48, 8.41, 9.38, 10.43 a. m.; 12.03, 1.42, 2.18, 3.28, 4.27, 6.10, 7.48, 10.44, 11.30 p. m. For L. V. R. R. Points—6.38, 9.38 a. m.; 2.18, 4.27 and 11.30 p. m. For Pennsylvania R. R. Points—6.38, 9.38 a. m.; 1.42, 3.28 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, 11.33 a. m.; 2.34, 3.52, 5.52 and 11.17 p. m.

For Carbondale—5.50, 11-55 a. m.; 2.31, 5.35, 5.52 and 11.17 p. m. For Wilkes-Barre—9.38 a. m.; 12.03, 1.58, 3.28, 6.32 and 9.17 p. m. For Albany and points north—3.52 p. m. For Honesdale—8.50 a. m. and 3.52 p. m. W. L. PRYOR, D. P. A., Scranton, Pa.

Lehigh Valley Railroad.

In Effect, Nov. 3, 1901.
Trains leave Stranton.
For Philadelphia and New York via D. & H.
R. R., at 6.38 and 9.38 a. m., and 2.18, 4.27
(Black Diamond Express), and 11.39 p. m. Sundays, D. & H. R. R., 1.58, 8.27 p. m.
For White Haven, Hazleton and principal points in the coal regions, via D. & H. R. R., 6.38, 2.18
and 4.27 p. m. For Pottsville, 6.38 a. m., 2.48
p. m. p. m. For Bethlehem, Easton, Reading, Harrisburg,

For Bethlehem, Easton, Reading, Harrisburg, and principal intermediate stations, via D. & H. R. R., 6.58, 9.38 a. m.; 2.18, 4.27 (Black Diamond Express), 11.30 p. m. Sundays, D. & H. R. R., 9.38 a. m.; 1.58, 8.27 p. m. For Tunkhannock, Towanda, Elmira, Ithaca, Geneva and principal intermediate stations, via D., L. and W. R. R., 8.10 a. m. and 3.50 p. m. For Geneva, Rochester, Buffalo, Niagara Falls, Chicago and all points west, via D. & H. R. R., 7.48, 12.03 a. m.; 1.42, 3.28 (Black Diamond Express), 7.48, 10.41, 11.30 p. m. Sundays, D. & H. R. R., 12.03, 8.27 p. m. Pullman parlor and sleeping or Lehigh Valley Parlor cars on all trains between Wilkes-Barre and New York, Philadelphia, Buffalo and Suspension Bridge.

sion Bridge. ROLLIN H. WILBUR, Gen. Supt., 26 Cortland street, New York. CHARLES S. LEE, Gen. Pass. Agt., 26 Cortland street, New York.

A. W. NONEMACHER, Div. Pass. Agt., South Bethlehem, Pa. For tickets and Pullman reservations apply to city ticket office, 60 Public Square, Wilkes-Barre, Pa.

Pennsylvania Railroad.

Pennsylvania Railrond.

Schedule in Effect June 2, 1091.

Trains leave Scianton: 6.38 a. m., week days, through vestibule train from Wilkes-Barre. Pullman buffet parlor car and conches to Philadelphia, via Pottsville; stops at principal intermediate stations. Also connects for Sunbury, Harrisburg, Philadelphia, Baltimore, Washington and for Pittsburg and the west.

9.38 a. m., week days, for Sunbury, Harrisburg, Philadelphia, Baltimore, Washington and Pittsburg and the west.

1.42 p. m., week days (Sundays, 1.58 p. m.), for Sunbury, Harrisburg, Philadelphia, Baltimore, Washington and Pittsburg and the west.

3.28 b. m., week days, through vestibule train from Wilkes-Barre. Pullman buffet parlor car and coaches to Philadelphia via Pottsville. Stops at principal intermediate stations.

4.27 p. m., week days, for Hazleton, Sanbury, Harrisburg, Philadelphia and Pittsburg.

J. B. HUTCHINSON, Gen. Mgc.

J. B. WOOD, Gen. Pass, Agt.

New York, Ontario and Western.

New York, Ontario and Western. In Effect Tuesday, Sept. 17, 1901, NORTH BOUND,

NORTH BOUND,
Leave Leave Arrive
Seranton, Carbondale, Cadosia,
...10.30 a. m. 11.10 a. m. 1.00 p. m.
... e.10 p. m. Ar. Carbondale 6.40 p. m.
SOUTH BOUND. Leave Leave Cadosia. Carbondale, 7.00 a. m. Arrive 2.15 p. m. 4.00 p. m. 4. SUNDAYS ONLY, NORTH BOUND

negatives at such a time and place as will be con venient to all concerned. Very truly, Duane R. Dills. Duryea, Pa., March 10, 1902.

Accident Occurred February 26. to the Editor of The Tribune. Sir: An account of the accident to the steam hip Etruria is given in today's Tribune as occur ing on January 26. I have been under the impre-sion she test Xew York Feb. 24. Please stat

whether you are correct in stating it happened on Jan. 20 and oblige. Sarah A. H. Bell. March 10, 1002. Was Not Her Bondsman. Editor of The Tribune, Sir: When Sylvanus Smith swote in

court last week that he was one of my bondsmen when I conducted the Mott Haven hotel he swore to something that was not a fact. My bondsmen were O. S. Holford and Harry S. Mains.

Peckville, March 10, 1902.



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