Oil Region Reminiscences

Issued by the Oil Men's Association of Butler County.

A CARD OF THANKS.

The Pittsburg Dispatch takes this method of thanking the oil men for their liberal patronage. It has always made it a point to give the best and most reliable Oil News.

The large circulation of The Dispatch in the Oil fields of Pennsylvania, Ohio and West Virginia, also the Western States and Territories, proves that our efforts have been appreciated. Those who knew The Dispatch to be the best recommended it to other oil men and the result is that to-day a man in the oil business finds it impossible to get along without it.

It is indeed gratifying to the publishers to know that "THE DISPATCH IS THE OIL MEN'S PAPER."

It will continue to give the best news in which you are most interested and thanks you in advance for your continued support.

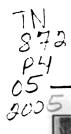
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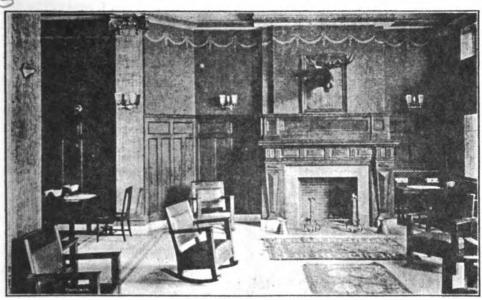
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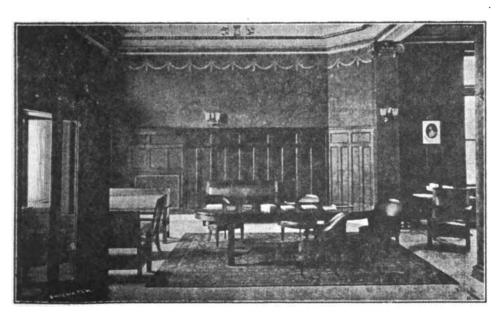




INTERIOR VIEWS

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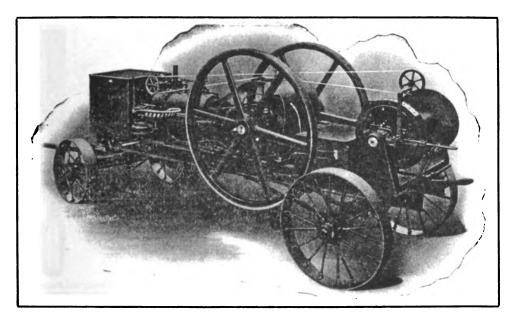
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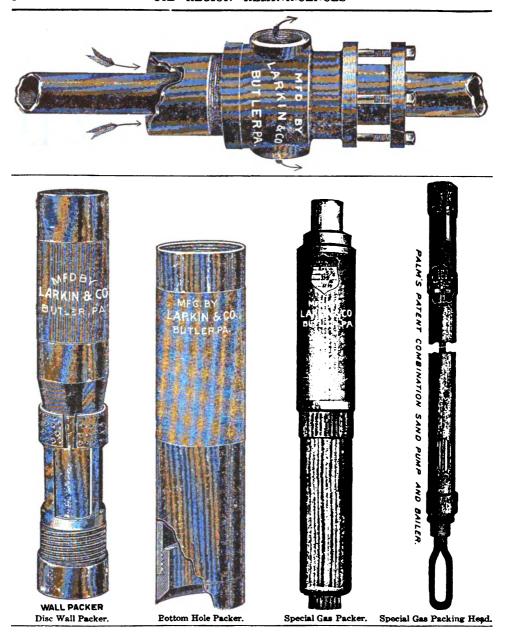
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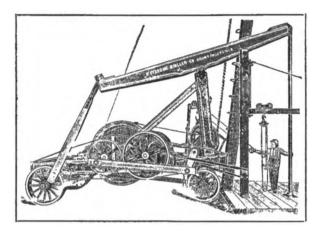
More wells were drilled with "Waterbury" Rope during the past four year than with any other make; evidence of its superiority.

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THE HEAVIEST and handiest big drilling machine on the market. It is built right in the center of the great Western Pennsylvania Oil Field, the country which schooled the world in the art of drilling, by men who have spent their lives in the study of well-drilling problems. It bears the name plate of the oldest and strongest line of portable drilling machines in America

Catalog No. 3 (one of five driller books) is devoted to our Portable Oil Rigs and the Process of Oil Well Drilling. It is packed from cover to cover with information which every oil driller should have. The text and price list are elaborately illustrated. Free on request.

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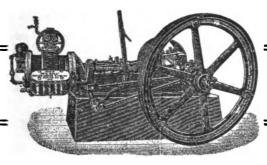
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The famous BALL STEAM ENGINE is known throughout the width and breadth of the American Oil Fields from Pennsylvania to Kansas.

It is built in all sizes and sold in all fields.

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Builders of Steam and Gas Engines for the Oil Country

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Everything Necessary for Oil,

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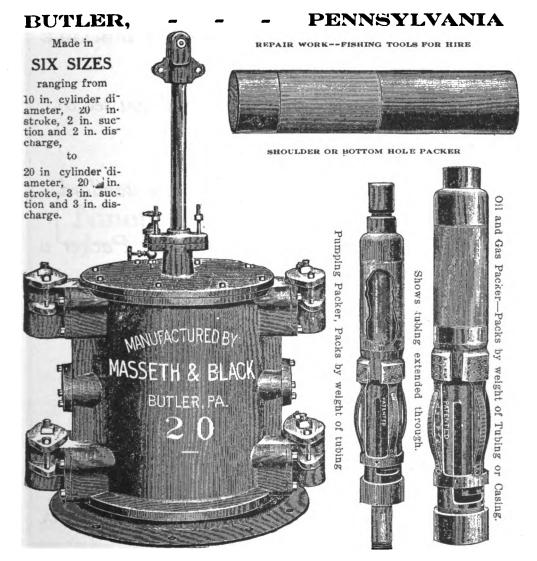
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And All Kinds of Packers for Oil, Gas and Artesian Wells, Gas Pumping Powers, Gas Pumps, Sucker Rod Sockets and Fi hing Tools.

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For Oil Country Use

MOST ECONOMICAL

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MOST DURABLE

Don't buy a Gas Engine until you see a Phillips, then buy it.

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Give our Double Slip Disc Wall Packer a trial and you will want no other.

WE ARE JOBBERS IN OIL AND GAS WELL SUPPLIES OF ALL KINDS

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Nineteen Years Experience

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FACTORY and OFFICE

ERIE, PENN'A.

Galena - Signal Oil Company

FRANKLIN, PENNSYLVANIA

The Galena-Signal Oil Company is so widely known by the oil and railway men of the country that practically no introduction is necessary. The beginning of this now great industry extends back nearly forty years through several firms, partnerships and companies, all comprised in what is known as the Galena-Signal Oil Company. The wonderful growth of the enterprise was largely due to and coincident with the failure of the lubricating oil fields in West Virginia whose natural products had for many years previously been largely used for lubrication. Since many tests had shown that Galena oils possessed all the virtues of the natural West Virginia oils, with several additional good qualities which the latter lacked, it will be readily seen that this company was in a position to meet the demands and requirements of the American railroads when the West Virginia products were no longer produced in quantities sufficient to render them practically available.

By securing the patronage of the railroads when their mileage was small, the business of this company has naturally increased through the increase of their mileage and through the consolidation of the various railway lines of the country. The better quality of the service obtained by the use of these oils with the lower net cost per thousand miles run, is, in a nut-shell, the reason for their popularity and extensive use. The success attained was not due to chance; it was the logical result of diligent and painstaking study of all the various and complex problems involved. Skillful chemists and eminent mechanical engineers have for many years devoted their time and talents to experiments which would enable the Galena-Signal Oil Company to produce oils that would meet every requirement of modern railroad service.

The Galena-Signal Oil Company was the first to manufacture and introduce a successful mineral valve oil. It replaced the high-priced and destructive animal fats previously in use and thus saved vast sums for the railroad companies. The Galena-Signal Oil Company also manufactures Perfection Signal Oil, for use in railway lamps and lanterns. It is all that its name implies. There has never been known a single case of wreck or accident occurring due to the fallure of the oil to perform properly its work.

In order to meet the demand for a reliable oil for railway safety signals, the Galena-Signal Oil Company has originated and put upon the market Galena Railway Safety Oil, the highest fire test headlight oil ever made. It gives a better, brighter and more penetrating light than any other oil ever used and does not break chimneys, nor damage reflectors, nor burn out headlights, which are common accidents when low test oils are used. Except in hand lanterns, where only Perfection Signal Oil should be used, Galena Railway Safety Oil can be used in all railway lamps, never deteriorating or losing any of its illuminating qualities if ordinary care is observed. It burns equally well with the long time as with the one-day burner, with or without chimney, is clear as water, has a high fire test, low cold test and good gravity.

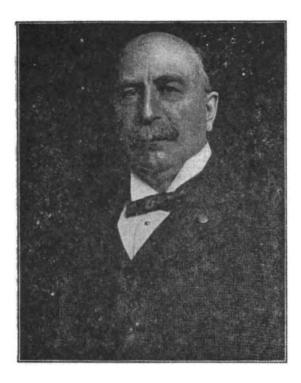
Within the past few years since trolley lines have grown to such magnitude and importance, the Galena-Signal Oil Company has established a department to lock after the lubrication of electric street and suburban railways, including both rolling stock and power house equipment. The business of this department has increased far beyond its expectations, and at present many of the largest inter-urban railway systems of the country are under contract. The same results follow as with the steam roads, viz: better service and lower cost.

The Galena-Signal Oil Company is probably the only concern in the lubricating oil business to organize and maintain a high-priced and skillful force of mechanical experts and chemists to consult with and advise the managers of railways and to supervise the proper handling of lubricants in actual use under the great number of exacting conditions, resulting from the extent and complexity of modern railway service.

It is worthy of note, in this connection, that the company in all its history, has never had a strike or a demand for higher wages or shorter hours.

General Charles Miller, who was the controlling spirit at the outset of this vast enterprise, is still, after a lapse of 38 years, its honored and efficient President.

2



Galena - Signal Oil Company

FRANKLIN, PENNSYLVANIA

Sole manufacturers of the celebrated GALENA COACH, ENGINE and CAR OILS and SIBLEY'S PERFECTION VALVE and SIGNAL OILS.

GUARANTEE COST per thousand miles for from one to five years when conditions warrant it.

MAINTAIN EXPERT DEPARTMENT, which is an organization of skilled railway mechanics of wide and varied experience. Services of experts furnished free of charge to patrons interested in the economical use of oils.

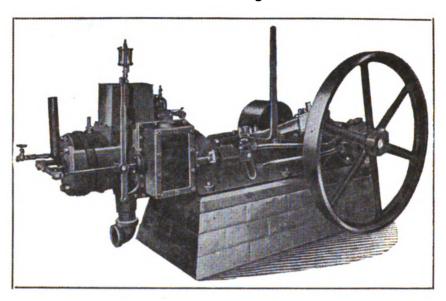
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GALENA RAILWAY SAFETY OIL. Made especially for use in Headlights, Cab. Classification and Tail-lights, and for Switch and Semaphore Lamps. Burns equally well with long time as with the one-day burner, with or without chimney, as the burner requires. Is pure water white in color; high fire test, low cold test and splendid gravity.

Please write to home office for further particulars.

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The Gardner Convertible Steam and Gas Cylinder



111

The Gardner Convertible Steam and Gas Cylinder is in a class by itself. No other convertible engine can approach it for simplicity, durability and reliability.

The most exhaustive tests have shown it to be the best engine ever placed on the market for pumping and cleaning oil wells. Experts who have seen it in operation pronounce it to be the most practical and at the same time the most economical engine that has ever come under their notice.

One great advantage is the ease with which it can be converted from gas to steam or vice versa. The simple pushing of a lever makes the change instantly. There is nothing to be taken apart; practically nothing to adjust. The change is made as easily as you would transfer a coin from your right hand to your left.

As a steam engine it is operated as readily and gives as much power as other engines of this class. Used as a gas engine, it has many advantages.

The inlet for gas is so arranged that the engine is self-controlled. It has a uniform speed without the aid of mechanical appliances.

The gas is partly compressed before it enters the explosive end of the cylinder and consequently gives much better results than if it entered direct. Nothing could be simpler—yet no other type of convertible cylinder has ever given such good results.

MANUFACTURED BY

The Gardner Steam & Gas Engine Co.

WASHINGTON, PENNA.

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In addition to furnishing lumber and millwork of all kinds for all kinds of building, we handle several kinds of composition roofing and coal, both anthracite and bitumincus. Paroid is the proved and tested roofing of quality. Buy a roll of Paroid, open it, examine it, apply it to your roof and if you are not satisfied, send us your name and address and we will send you a check for the full amount you have paid for the roofing, including cost of applying it. We also handle the Eastern Granite, Amitite and Amazon, all of which have stood the test of time and will do just what is claimed for them.

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New Location on East Cunningham Street

Ask For the Best

Our several brands of

BEER, ALE, PORTER

Are made from the best Malt and Hops, well aged, strictly pure and exquisite in taste and flavor.

The ERIE BREWING CO.

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Manufacturers of and Dealers In

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EDITED AND ARRANGED BY C. R. WATSON

PREFATORY

Romance in its most attractive form furnishes no more alluring theme for pen or pencil than the daily incidents of early oildom during its formative everything was as crude as the oil itself as it came from the earth's subterranean vaults. It is with the commendable object of preserving from oblivion some of the scenes and incidents of those memorable days, as well as to indicate by word and illustration the great progress made in the business of producing oil, that this and former volumes have been issued. Special attention is called to the article of Mr. John Eaton on "The Evolution of Oil Well Machinery," which has been prepared with great care as to facts and figures. Mr. Eaton is a recognized authority on oil well machinery and his entertaining account of the development of the business of drilling wells will be read with great interest. It is with a feeling of pleasure, not to say pride, that we present this edition of "Oil Region Reminiscences" as a souvenir of the twenty-first annual reunion of the oil people and their friends of Western Pennsylvania. To the many kind friends who have aided us by their pen in the preparation of this work we extend warm acknowledgement and appreciation of their labor. We have gone to extra trouble and expense to secure subjects for illustration showing scenes that have long since passed from mortal eye. We call attention to the representative class of advertisements that appear in this book and ask for a careful perusal of same by the reader.

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The First Pump Station)
"Old School Days of Butler"	L. P. Walker, Esq



JAMES W. McKEE, Pres.







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And save yourself trouble caused by using inferior Packers. Patented May 5, 1891; January 31, 1905; May 8, 1906.



Pumping Packers Wall Packers Gas Packers Bottom Hole Packers Cave Packers Anchor Packers Liner Packers Double Packers Plug Packers

> Fitted with either "ECLIPSE" or regular rubbers.



Bottom Hole Packer



Sectional View of Eclipse Rubber

Actual demonstration has proven that the

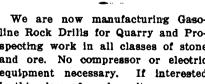
"Eclipse"

Rubber Packers are the best Packers manufactured. No wire necessary to hold the rubber on, it being securely fastened to the Packer body.

Send for catalogue.

FISHING TOOLS FOR OIL AND GAS WELLS.

We are now manufacturing Gasoline Rock Drills for Quarry and Prospecting work in all classes of stone and ore. No compressor or electric equipment necessary. If interested in this class of work, write us.





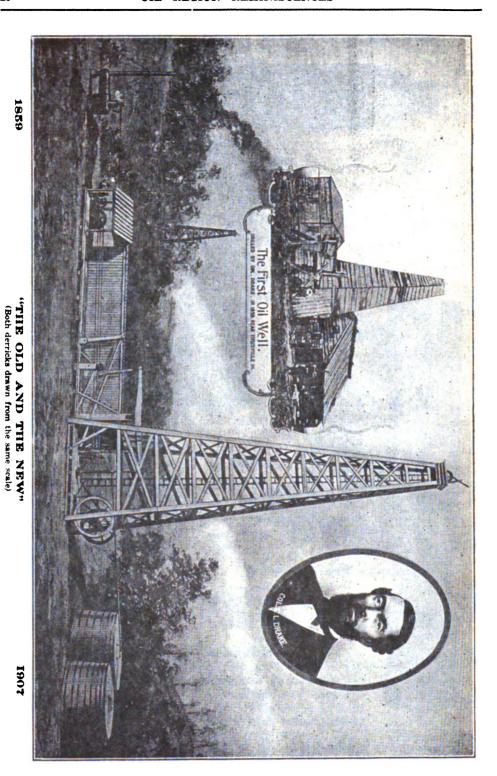


Disc Wall Packer

Manufactured By

SPANG & CO., Limited

Butler, Pa. Coffeyville, Kansas



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EVOLUTION OF OIL WELL MACHINERY

By John Eaton.

ery as "Means and appliances by which Roumania, Russia, India, Japan and anything is kept in action or a desired other countries. result is obtained."

crude methods adopted in the early in relation to the manner of working history of Petroleum or Rock Oil may these wells: very properly take their place in con- working is very simple, a method that sidering the "Evolution of Oil Weil has probably grown into its present Machinery."

Oil dipped out of pools where it had settled.

Woolen blankets thrown into pools and after becoming saturated, the oil wrung out of them.

Boards placed in pools, the oil accumulating on the boards and then scraped off.

Records show that for centuries in the region of the Caucasus Mountains. by skimming it from the surface of springs in 1868.

Petroleum was gathered upon the buckets." Watson Flats near Titusville (the location of the Drake well) and McClintockville, just above Oil City, as early as 1840.

Where exudes of oil would show, pits were dug and the oil dipped out.

men to various depths, some times drilling, which was simple yet effectmore than 200 feet, air being supplied ive, is described in Abbe Huc's work, to workers in the well by a bellows "Travels in the Chinese Empire," in When oil was obtained it was dipped which he quotes the following letter out with buckets by hand or by a wind- from M. Imbert, a missionary who This process for obtaining oil visited China in 1827:

Webster defines the word Machin-las been practiced for centuries in

B. S. Lyman, in his "Reports on It would seem, therefore, that the the Geology of Japan," (1877) says, "The present mode of form in the course of centuries of experience and is now apparently practiced in all the oil regions with little or no variation. The digging is all done by two men, one of whom digs in the morning from nine o'clock until noon, and the other from noon until three. The one who is not digging works the large blowing machine or bellows that continually sends fresh air to the bottom of the well. The well Russia, petroleum has been collected is timbered with larger pieces at the corners and light cross pieces, which springs. On the eastern shore of the serve also as a ladder for going up and Caspian Sea there were 20,000 such down. The oil is skimmed from the surface of the water and drawn up in

> Various other simple methods for obtaining oil were adopted.

Salt wells which frequently produced oil or gas were bored or drilled in China many years before the process of drilling or boring was known Round or square holes were dug by in any other country. The method of their object and at much less expense more difficult and some times even enthan we do. and only five or six inches in diameter. happen that the well loses its perpen-The mode of proceeding is this:

above and convex below. ing on a kind of lever that raises this a valve or sucker. time pails of water are thrown into the shake opens the sucker and makes the to the lever and a triangular piece of rope also is made of rattan. so as to make the rammer fall in an great numbers. other direction. night these two are replaced by anoth- would die of hunger. er pair of workmen.

they draw up the tube with all the mat- in it that burns in water. Some times ter it is loaded with, by means of a as many as four or five jars of one great cylinder, which serves to roll the hundred pounds each are collected in a

"The number of wells is very con-cord on. In this manner these little There are dozens of them wells or tubes are made quite perpenin a tract of country about ten leagues dicular and as polished as glass. Some long by four or five broad. The man-times the ground is not rock all thru, ner of digging is not like ours, but but beds of coal and other material are with time and patience they attain found, and then the operation becomes The wells are usually tirely useless, for as these substances from 1,500 to 1,800 French feet deep. do not all offer equal resistance it may dicularity, but these cases are rare. "If there be a depth of three or four Some times the large iron ring that feet of soil on the surface they plant suspends the rammer breaks, and then in this a tube of hollow wood sur-five or six months' labor is needed bemounted by a stone in which an orifice fore it is possible, with the help of of a desired size of four or five inches other rammers, to break up the first Upon this they bring and reduce it to a pulp. to work in the tube a rammer of three rock is good the work advances at the or four hundred pounds weight, which rate of two feet in twenty-four hours, is notched and made a little concave so that about three years are required A strong to dig a well. To draw water from it man, very lightly dressed, then mounts a tube of bamboo twenty-four feet long on a scaffolding and dances all morn- is put down, at the bottom of which is When it rammer about two feet and then lets it reached the bottom a strong man sits fall by its own weight. From time to on the rope and shakes it so that every hole to soften the material of the rock water rise. The tube being full, a great and reduce it to a pulp. The rammer spindle-shaped cylinder of fifty feet in is suspended to a rattan cord not thick-circumference, upon which the rope is er than your finger, but as strong as wound, is worked by two, three or our rope of catgut. The cord is fixed four buffaloes till it is drawn up. This wood is attached to it by which anoth-poor buffaloes, however, are very ill er man sitting near gives it a half turn suited to this labor and they die in If the Chinese had At noon this man our steam engines they would be mounts on the scaffold and relieves his able to perform the work at less comrade until the evening, and at cost, but thousands of working people

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"When a salt well has been dug to a "When they have bored three inches thousand feet a bituminous oil is found made use of to light the sheds in which was used. are the caldrons of salt."

It will be noted that the lever on question. is universally used. ticed at the present time.

the United States of which we have When finally completed the well was any record was started in 1806 and fifty-eight feet deep. completed in January, 1808. Appar-lity of brine was found at the bottom ently a spring pole was used at this of the well and in order to obtain well for the first time to supply power same undiluted by weaker brine and for drilling. It is also the first record fresh water a new difficulty presented of the use of drive pipe and tubing, itself—a tube (tubing) had to be proboth having been made of wood, and vided small enough to go into the 2½the use of a packer, which was called inch hole. There were no metal tubes a "seed bag." by Ruffner Brothers. tion, Technology and Uses of Petro-They therefore whittled out of two leum and Its Products," (1885) con long strips of wood two half tubes of ginia.)

made to drill a well. Usually the first purpose perfectly. eighteen feet were accomplished by digging through the surface deposits ing up with the heavier a packer was and settling a "gum," made from a employed. It was called a "seed bag" hollow sycamore tree, four feet inside and was made of leather, twelve to diameter, and resting on the rock.

one well a tube two and a half inches slipped over the tube and one end in diameter was made out of an oak wrapped over knots placed on the tube log 20 feet long, by boring through it to prevent slipping. with a long shank auger. This tube, inches of the bag was then filled with sharpened and shod with iron at the flax seed, either alone or mixed with bottom, was driven down pile-driver gum tragacanth. The other end of the

day. This oil is very fetid, but is solid rock—the first time drive pipe

How to penetrate the rock was a The owners concluded to which the Chinamen danced was the drill into it in the same manner that forerunner of the walking beam which rock is drilled into for the purpose of The principle blasting. They fixed a long iron drill employed in the method of drilling with a two and a half inch bit and atwells in China was the same as is practitathed the upper end to a spring pole with a rope. Twenty-eight feet into The first well drilled or bored in the rock was drilled in this manner. A better qual-The well was drilled to be had, and to bore a wooden tube The United forty feet long and small enough to go States Census Report on the "Produc-linto a 2½-inch hole was impracticable. tains an interesting account of same the proper size, and fitting the edges The well was located on the Great carefully together wrapped the whole Kanawha River, a short distance from from end to end to fit as nearly as Charleston, Virginia, (now West Vir-practicable water tight in the 2½-inch hole. This was cautiously pressed Several unsuccessful attempts were down to its place and answered the

To keep the lighter water from mixfifteen inches long, the size of the well To penetrate the sand and gravel in hole and open at both ends. This was Six or eight fashion through the formations to the bag was wrapped like the first and the tube was ready for the well. placed in the well, at any depth, the dustry in which millions have been inseed and gum would swell from the vested, colossal fortunes made, and water they absorbed, making a close which, in respect to lighting and other fit and water-tight joint.

face a pump, lever, crank, shaft and Drake had not succeeded in obtaining blind horse or mule, which traveled in oil, what would have been the status a circle around the well, were provid- of the oil business today? This was considered a wonderful achievement in mechanical contrivinger the location of the Drake well mill," as it was called, was the only ple living in Titusville to believe that mode of pumping salt water on the oil in paying quantities could be ob-Kanawha.

Virginia and Pennsylvania (principal-developing the territory. ly near Tarentum) from 1808 to 1859 Drake, of New Haven, Conn., was emfor the purpose of obtaining brine ployed to have charge of the work. from which to make salt. Frequently davs?

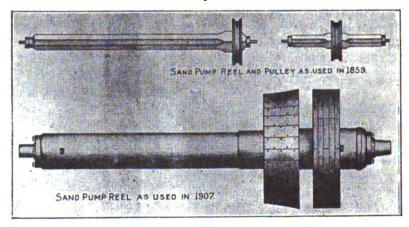
It was not until 1850 that the first the well. well was drilled expressly for the purpose of obtaining petroleum, and from Old and the New," shows the evoluthe time of drilling the first or Drake tion in the construction of derricks and

When well dates the beginning of the oil inpurposes for which petroleum in used, To raise the salt water to the sur-brought about a revolution. If Col.

The many exudes of oil in the valley For several years this "horse (Watson's Flats) led some of the peotained below the surface, and a com-Many wells were drilled in West pany was formed for the purpose of Col. E. L.

The derrick used at the Drake well: natural gas and petroleum were en- which was about twelve feet square at countered, but they were considered a the base and about three feet at the nuisance and often wells were aband-top, thirty to thirty-five feet high, was oned because the oil destroyed the made of four posts. The derrick was brine. How little was known of the framed on the ground and after comvalue of petroleum in those early pletion was raised by hand. It was not enclosed until after completion of

The illustration, Fig. 1, of "The



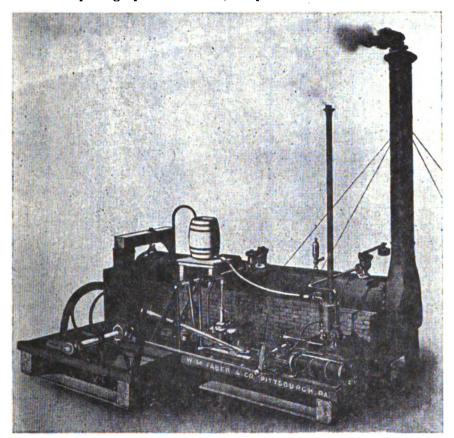
SAND REELS AND PULLEY



thirty-four feet high; the modern der- from a photograph of the Colonel rick is eighty-two feet high. illustration of the Drake well was ville. made from a tintype taken in 1859, after the completion of the well, and Drake well is shown in the illustrabefore the fire. The derrick general-tion compared with sand reels used at ly shown was photographed in 1861. the present time.

rigs better than any written descrip- The "New" shows a derrick, wooden tion can. The derricks are drawn to rig, boiler, engine, tank, etc., such as the same scale (starting from the top.) are generally used at the present time. The derrick at the Drake well was The picture of Col. Drake was taken The made by Mr. J. P. Mather, of Titus-

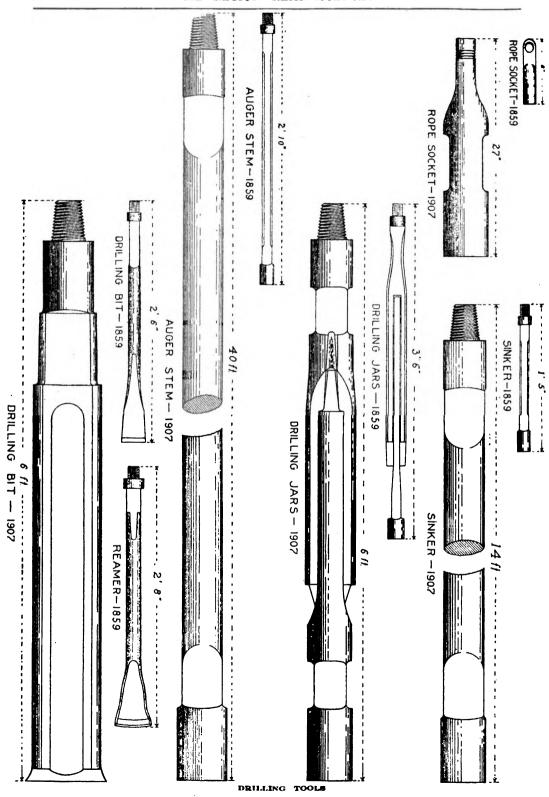
The size of the sand reel used at the



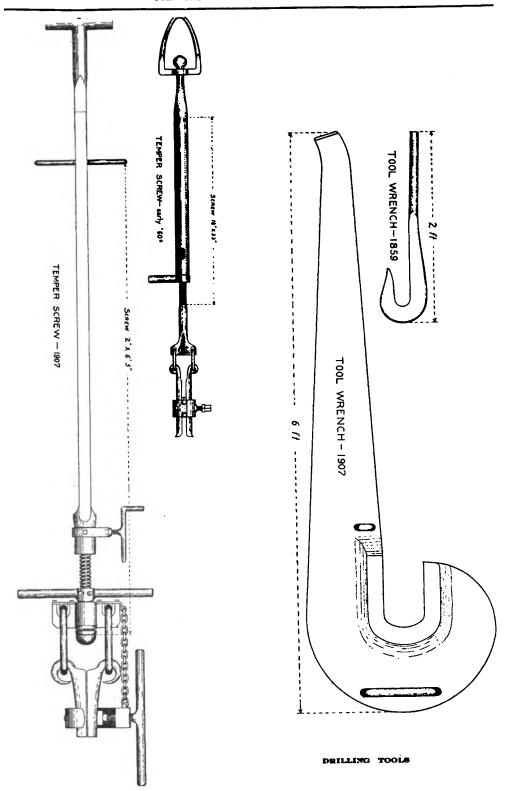
TYPE OF ENGINE AND BOILER THAT DRILLED THE "DRAKE" WELL

that the Drake well was drilled by Pittsburg to Erie and from Erie were means of a spring pole, but this is a hauled overland to the location. John," and a boiler, both made by W. are fortunate in being able to illus-M. Faber & Co., of Pittsburg, and trate the type of engine and boiler costing about \$2,000.00, were used used at the Drake well.

It has been generally understood They were shipped by canal from An engine called "Long railroad had not yet been built.



TEMPER SCREW - 1907



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The boiler was a one-flue stationary type, the flue being near the bottom The boiler was about thirty inches in diameter, twelve to fourteen feet long and was walled up with stone. was used for firing.

The engine was of 6-horse-power capacity and was the type of engine used at that time, and still in use in the steamboats plying on the Monongahela, Allegheny and Ohio rivers. reverse the engine the eccentric rod was disconnected from the lower end of the rocker arm, which was provided with a pin for that purpose, and by means of a lever at the upper end on the rocker arm the valves were manually operated to admit steam at proper intervals to run the engine in a reverse direction. A bell was hung in the engine room, attached to a cord running to the derrick, and signals were agreed upon for operating the engine; that is for running it fast or slow, or stop ping it.

The tools with which the Drake well was drilled were made by the contractor, William Smith, at Tarentum, and weighed between 100 and 200 pounds. They were hauled from Tarentum to Titusville.

In a small memorandum carried by William Smith appeared the following entry, in his own handwriting:

May 14, 1859.

Mr. Drake.

To making boring tools the full set,

2 spear boxes..... 4 spear pins.....

In another memorandum Mr. Smith stated:

"May the 20th, 1859. Commenced work for Mr. Drake."

He received \$2.50 per day.

The various illustrations showing a comparison between the tools used at the Drake well and in the early days of the oil industry, and those of the present time, will give a good idea of the great evolution that has taken place in the manufacture of tools for drilling wells. The taper threads are a great improvement over the square threads as used at first.

Sand pumps were first made, of sheet iron, riveted and soldered, with a flat leather bottom valve—no plunger or suction.

It is an interesting fact that in the early days of drilling wells it was not known that a round hole could be drilled with a bit and it was considered necessary to "run" a reamer immediately after the bit in order to make the hole round. Reamers are no longer used for drilling, a bit only being nec-The style of bits and reamers essary. as used in the 60's is shown in comparison with the kind of bit now in At the Drake well two bits were use. A center bit 1½ inches was used to drill three or four feet, then a second and larger bit was used, and after that the reamer was inserted to make the hole round and of the desired diameter.

Col. Drake expected to drill down to the rock but it was impossible to do \$46.00 so and iron pipe was used for the pur-2.50 pose. This is the first time iron drive 4.00 pipe was used. The pipe was made 16 sucker joints, \$1.50,..... 24.00 of cast iron, plain ends, presumably - 4-inch diameter, but it may have been \$76.50 5-inch, as that was the size used in

iron hands were riveted to the ends of lars a barrel. the pipe.

The driving of the pipe was accompower. plished by means of a wooden maul or ioned windlass turned by hand and completion of the Drake well. day was accomplished.

Saturday, the 27th day of August. 1859, at a depth of 691/2 feet. It was not customary to work on Sundays. When the men left the well on Saturbeen struck. The contractor, William "Billy," as he familiarly known, visited the well on Sunday, when he discovered the hole full of oil. The news spread rapidly and caused great excitement.

have been obtained from him.

a blacksmith named Evans sunk a well with which to do the work, and put in Titusville. He erected a derrick down the well. and by means of a spring pole bored that he could do it if anyone could, so the well to a depth of 72 feet when he a contract was entered into between struck a heavy vein of oil. He then the parties and the following day a tubed the well and commenced pump- derrick consisting of twenty-four feet ing by hand, with a common pump, at of scantling was erected, a spring pole

1861, when the writer visited Titus the rate of twenty barrels per day ville for the first time. Loose wrought which he readily sold for thirty dol-He afterwards purchased an engine and pumped by steam

Henry's "History of Petroleum" battering ram, supported on the sides contains a very interesting account of by guides made of plank. The ram the first well drilled in Tidioute and was raised by means of an old-fash-probably the next one started after the then allowed to drop on the pipe. It states that Mr. J. L. Grandin was the seems singular that with an engine first to inaugurate measures for the close at hand steam power was not production of oil in Tidioute. He had used instead of this slow process. known of the existence of an oil spring after the pipe had been driven, drilling in Gordon Run, one of the tributaries was resorted to and about three feet a of the Allegheny river at that point. from which oil had, in past years, been The well was actually completed on gathered in small quantities. Within a day or two after the Drake well was struck Mr. Grandin, after hearing the particulars of the wonderful success which had attended Col. Drake's efday night they did not know oil had forts, purchased thirty acres of the Campbell farm, upon which the oil spring was located, paying ten dollars per acre for same. He visited the spring, had it thoroughly cleaned out and immediately the oil began to rise to the surface in small globules and be-One of the men who worked on the fore leaving it a pint bottle of the Drake well in 1859, namely, Samuel green fluid was obtained. On the fol-Smith, youngest son of William lowing day Mr. Grandin visited H. H. Smith of Tarentum, the man who con- Dennis, man of superior mechanical tracted to drill the well, is living in ingenuity, to whom he disclosed his Titusville and many interesting facts plans. Mr. Grandin stated he was dein connection with the Drake well termined to put down a well in the center of the oil spring and he asked Soon after "striking" the Drake well Mr. Dennis if he could provide tools Mr. Dennis said he secured, the spring hole was excavated outside of Pittsburg. to the rock, the drilling tool "swung," etc. Mr. Dennis, although a mechanic had never seen a well drilled and knew nothing about rock drilling, but he comprehended the undertaking and supplied himself with necessary implements for the work before him. He had seen the old style "churn drill" used for blasting, and procuring a bar of 11/4-inch iron he soon fashioned it to his needs. One end was flattened to form a cutting bit 21/2 inches broad this being the diameter of the hole to be drilled. Into the upper end of this bar or bit he made a socket into which as the work progressed, he put an inch bar of round iron, tapered to fit the socket and fastened by means of a key. and this riveted and made perfectly straight and solidly fast. These continued additions constituted his drilling tools, jars, auger stem, etc. When it became necessary, as it did ordinarily twice or three times a day, to remove the drill or bit to sharpen or repair it, the rivet or key had to be cut off and the drill removed. Thus every succeeding bit-and he afterwards made several—was operated. Grandin, the owner of the well, ordered copper tubing from a Pittsburg manufacturer, who informed him that the well hole was too small by nearly in diameter in order that tubing and a make it practical and successful. Mr. Grandin that he wanted a bar of never recovered.

Finally Mr. Dennis discovered a discarded axle which had been used on a tram railway. It was six feet in length and two inches in diameter, made of wrought iron, and weighed nearly one hundred pounds. This was quickly transformed into the desired shape, a block of steel run through the bar. welded and riveted four inches from one end, and the steel on either side of the bar was flattened to a cutting edge To the other two inches in breadth. end he attached a 11/4-inch cable and fastened this to his spring pole and thus began the work of enlarging the hole. For a sand pump he used, while drilling the 21/2-inch well, three feet of 1½-inch copper pipe cut from a boiler water pipe used at a neighboring saw mill, fastening a leather valve at or near the lower end, so as to securely hold whatever entered it. sand pump he used successfully until the enlargement of the hole was com-Some days he reamed out six pleted. inches, and other days as much as two He constructed a set of jars to meet the demand by taking 11/4-inch bar iron, two links, similar to the links of a long chain, two feet in length, and attached these to his "car axle" drill and cable, and this constituted his When the well was drilling jars. one-half; that it must be four inches completed and Mr. Dennis lowered the tools for the last time "just to make pump of sufficient power be used to sure that the work was finished," in To some unexplicable manner the tools enlarge the hole Mr. Dennis informed became fastened in the rock and were Mr. Dennis coniron 2 inches in diameter and from six structed a rude torpedo out of the reto eight feet in length. He was not maining portion of his copper boiler able to obtain such a ponderous piece feed pipe and charged this with blastof metal in that section and it was ing powder. After some experiments questionable if it could be obtained with a fuse, as to the time required to

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reach the top of his tools, he made one the kind still employed with threshing accomplished his purpose. The effect tent. of this "first torpedo in an oil well" tools.

of August, 1859, and completed at a October of the same year.

gines and boilers were an expensive in the ground along Oil Creek. luxury. A boiler not exceeding 10horse-power, or an engine 6-horsepower, cost from \$1,800 to \$2,500, be- in the second well drilled in the Bradsides freight and hauling. Muscle was ford field. considered cheaper than machinery Titusville, the inventor of the Crocker and many of the wells during 1860 check valve and other oil well appliand 1861 were drilled with a spring pole. It was some time before boilers and engines came into general use.

A spring pole consisted of a sapling. feet long, attached to the ground at side diameter. short distance from the end, on the ard ever since. The tools were attached to tion was given to the spring pole by hands or feet, a rope frequently being put over the pole in the form of a sling, near the end where the tools This process was called "kicking down a well." It was considered a simple and convenient appliance for shallow wells, but for wells of considerable depth it was too slow and too the engine was much power was required to operate and boiler.

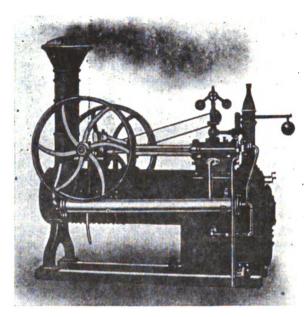
or two efforts to explode it and finally machines, was also used to some ex-

Either a wooden conductor or cast was a failure, as it did not release the iron pipe was used for several years to reach the rock. After the first year or This well was begun in the month two 6-inch inside diameter pipe was the size most generally used. depth of 134 feet in the last days of ends of the pipe were turned off, leaving a shoulder, and a wrought iron Wells were started at various places band was shrunk on between the ends on Oil Creek, and in most cases power of the pipe. Undoubtedly there are was supplied by a spring pole. En- many thousand tons of cast iron pipe

The first wrought iron drive pipe with threads and couplings was used Mr. Frederick Crocker, of ances, prepared the specifications for the first wrought iron pipe and gave the writer the first order that was placed for such pipe. The size orpreferably of hickory, twenty to thirty dered by Mr. Crocker was 7-inch in-His next order was one end, a fulcrum being placed a for 8-inch, which has been the stand-

The next step in the evolution of the other end of the spring pole. Mo-power for drilling wells is shown by the following illustration of the Wood & Mann engine and boiler, which illustration was printed in 1865.

Dr. Eaton in his "History of Petrowere, so that a foot could be placed in | leum" (1866) refers to the manufacturers of this type of engine as having been the first concern of the kind in the field and altho there was a great deal of rivalry it held its own. He says "4-horse power and was considered sufficiently powerful it to any advantage, so the spring pole for the purpose, but the experience of was abandoned in favor of the engine five years has shown that engines of from eight to ten horse power are Horse power precisely the same as best adapted to the purpose, particu-

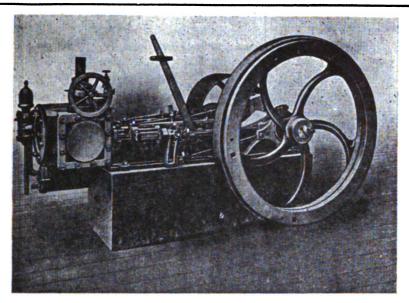


PORTABLE ENGINE AND BOILER, GENERALLY USED ABOUT 1865

larly in pumping deep wells where a used for some years, but the separate vast amount of power is necessary to engine and boiler soon followed, the overcome all the obstacles in the way. boiler being similar to those used on These engines are built upon the side locomotives. It is said that the late or top of the boiler, somewhat on the C. M. Farrar, of Buffalo, N. Y., made plan of a locomotive. the boiler are feet that are screwed to a locomotive type of oil country boiler light wooden frame and the whole ap-lever used. At first the boilers were paratus can be readily transported of 15-horse power capacity; at the from place to place and set in opera-present time they are from 25 to 40tion as soon as it can be set level horse power. upon the ground. engines are built upon iron wheels so Messrs. Wood & Mann are believed to they can be transferred from one point have made the first eccentric or link to another without the trouble of put-reverse engine. At first the cylinders ting them upon a wagon. In adjust-were 7x10, 8x10 and 8x12 inches; toing the engine to the work assigned day the engines have cylinders from to it but little machinery is necessary. 10 to 12 inches in diameter and 12 Sometimes a band wheel with a crank inches long. is geared to the engine, to which a pitman is attached, the upper end of applying power for drilling wells is which is attached to one extermity of the explosive type of engine, comthe walking beam, while boring imple-monly called a gas engine. ments are attached to the other."

Underneath the drawings for the first separate The link reverse was Sometimes these soon attached to the separate engines.

The latest development in the art of these engines have not yet come into This type of engine and boiler was general use, they doubtless will in the



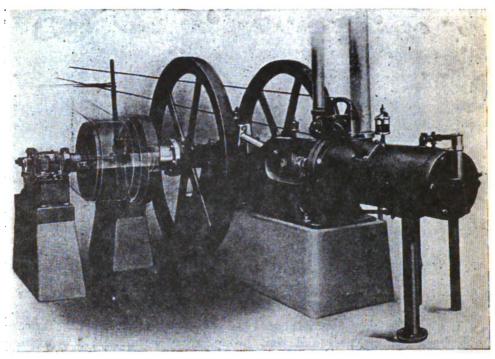
MODERN STEAM ENGINE FOR DRILLING WELLS

one to three in favor of the former. has been very marked. Everything that can be done with a drilling.

Probably the evolution in power for simple in construction. reversing, controlled from the derrick, the business demanded. the amount of steam required to run. The evolution in the tube (tubing)

future, especially where natural gas, the engine fast or slow also being concan easily be obtained and coal or trolled from the derrick, it being necwood is scarce. No boiler is required essary to look after the engine only with a gas engine, and the cost of occasionally; to the explosive type of operating with a gas engine, as com- engine, requiring no steam and reducpared with a steam engine, is about ing the cost of power to a minimum,

The principle of drilling wells today steam engine in connection with drill- is the same as that practiced in China ing wells can be accomplished with a years before it was introduced into gas engine, and like a steam engine, this country (long before the Ninethe gas engine can be controlled from teenth century); the improvements in the derrick. The following illustra- the appliances, however, have been tion shows a gas engine arranged for very great. The drilling tools used in 1859 were but few in number and The differdrilling wells shows a grater advance ence in the kinds, sizes and shapes as in mechanical principle and construc-compared with those used at the prestion than anything else in connection ent time is well shown in the various with "machinery" for producing oil illustrations. Today the number of The advance from a dancing China- tools for drilling and for fishing lost man, to a spring pole, to the crude en- or broken articles out of wells being gine made about 1859, to the engine drilled covers a wide range of sizes specially designed for drilling pur- and devices which have come along poses, with a simple arrangement for one after another as the necessities of



GAS ENGINE FOR DRILLING WELLS

for conducting oil either out of the being driven through the tube to rewells or on the surface is very inter-move blisters. The Chinamen used bamboo -a tube supplied by nature, growing for the purpose was ordered by the freely in the Orient, only requiring a writer in the early 60's. It was made larger piece of bamboo to make a joint, by the Taunton Iron Works of Taunone piece slipping over the other; ton, Mass. It was butt-welded, made holes bored through logs; split wooden in long lengths, with heavy couplings. tubing prepared by Ruffner Bros.; tin the ends reamed by machinery and the tubing supplied by a tinner in Charles- blisters removed. It was sold for ton, W. Va., shortly after 1808, the \$1.25 per foot. Soon afterwards lapends being soldered together as the welded tubing with sleeve couplings tubes were lowered into the well; then took its place, which is sold today at copper tubing, with a connection sol- 15 cents per foot. dered on the end. Copper tubing was couplings, the burrs in the ends of the for many years. pipe being removed by a hand reamer The evolution from the "seed bag" operated by a brace, a steel swedge to the packer, both for the same pur-

The first tubing specially prepared

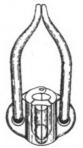
The evolution in the manner of used at the Drake well. It was called hoisting tubing in the derrick so it can "copper chamber," and the process of be lowered into the well is shown in tubing was called "chambering" a the illustration. A swivel the size of well. Next came ordinary iron steam the tubing was first used; afterwards pipe with threaded ends and short came elevators which have been in use

ing down into the oil or gas bearing then came Manila cables from 2 to 21/2 sand, or gas or oil from flowing up inches in diameter. outside the tubing, is well shown in years wire cables have been used quite the illustration. same.



The evolution in Drive Pipe is from the wooden pipe used by Ruffner Bros. in 1806-8; the cast iron pipe used by Col. Drake, which had loose-wrought tions wells are drilled in water. It is iron pipe specially prepared for the Manila rope. purpose by turning off the ends and

pose, namely, to keep water from go- from 11/4 to 11/2 inches in diameter; In the last few The principle is the extensively, particularly in California, where on account of volcanic forma-



iron bands riveted on the ends; cast very difficult to drill in water with

Another mode of operation was shrinking on wrought iron bands sometimes employed in the early hiswhich held the lengths rigidly to-tory of the business, in which a chain gether; then wrought iron drive pipe, was used, causing the most outrageous



A MODERN PACKER

which is used at the present time.

from 30 or 35 feet to 82 feet, the size rible noise it was called by the urchins of the squares being in proportion.

Usually derricks are put together and set up again, are now shipped to drilling wells, instead of cables. countries.

drilling were made of "sea grass" drilled a well near Shamburg, Pa.,

clangor that can possibly be conceived. Derricks have increased in height On account of its unpleasant and horthe "chain-gang system."

In Canada round wooden poles with nails, but derricks framed, ready about 2 inches in diameter, with joints to be set up, the derrick put together similar to those on wooden sucker with bolts, and the whole arranged so rods except that the threads are much it can be readily taken down, moved more tapering, have been used for all parts of the world. Steel derricks two systems are known as the "Pole put together with bolts, and founda- Tool System" and the "Cable Systions, are frequently shipped to hot tem." The Pole Tool System is quite effective for drilling shallow wells. The first ropes or cables used for Many years ago some Canadians with pole tools, but it was soon found should have been granted on such a they were not adapted for deep drill-simple and well known device as weld-The pole tool system has been ing steel to iron. used largely in Roumania, Galicia and Australia and is today used in Canada ant part in the development of the oil for drilling shallow wells, but the Am- industry. The first record we have of erican or Cable system has superseded its use was at the well drilled for oil it in that country for drilling deep at Tidioute in 1859 (the next well wells.

placed in the engine house; later in the the close of the Civil war) was sucderrick.

art of drilling wells when casing was jous attempts had been made by others first introduced, about the year 1868. but without success. It not only prevented the formations tramped up and down Oil Creek, penfrom caving, but it shut off any water niless, with a torpedo on his shoulder. that might run into the hole. To drill frequently disheartened but not disa well which is full of water makes couraged, until by his indomitable will

The torpedo has played an importafter the Drake.) From that time In the early days the forge was until Col. Roberts of Titusville, (after cessful in obtaining an increased pro-A great advance was made in the duction from oil well by its use, var-

Showing position of torpedo after lowering to bottom of well. Anchor. Oil bearing rock or sand. Go-devil.

Pocket in well below oil sand, to hold detritus.

the process slow and presents many and foresight Since casing came into practicability. general use wells are drilled "dry;" completed until the "go-devil" has set that is, only enough water is used, by off the explosive compound in the oil pouring it into the hole, to "mix" the bearing sand, often increasing many were drilled with wet holes prior to the use of casing.

In 1831 William Morris invented a pipe. since the introduction of steam.

he demonstrated its But seldom is a well About five thousand wells fold the production of the well.

An under reamer is a tool used to drill or ream under casing or drive The bits are forced down until simple tool which has been a greater the tool has passed through the tube. help in drilling than anything else when by means of powerful springs It the bits are released so that a hole can was called "slips," but the oil regions be made as large as the outside diamhave given it the name of "jars." eter of the tube. When raised up, the George Smith at Rouseville forged the bits are forced down on striking the first steel lined jars in 1866 for Leo bottom of the tube. The under ream-H. Nelson. A patent was obtained on er was first used in Roumania and in steel lined jars (welding steel or iron) Russia, and was introduced into this which provoked a great deal of litiga-country by the writer in 1886 after a tion. It seems singular that a patent visit to those countries. It has been



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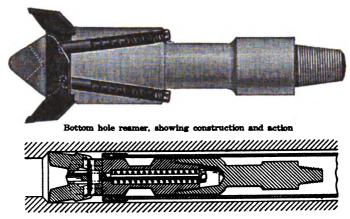


A. A. WRIGHT

largely used in California, where the process was invented, crude at first, formations are of volcanic origin and but today almost the acme of perfeccasing or drive pipe has to be used tion in its simplicity and adaptability from top to bottom to prevent caving. for the purpose. The operation con-The reamer revolutionized the busi-sists in rapidly turning and lowering ness in California. the flood of oil produced in that state which is armed with a steel shoe havthe last few years.

wood or metal, derrick, bull and sand Water is kept under constant high wheels, and everything necessary for pressure in the pipe and the detritus drilling, mounted on wheels, moved is thus forced to the surface, passing by horses, or by their own power, have up on the outside of the pipe with the taken a very prominent place in the water. By this means it is possible to

It made possible a column of pipe, the lower end of ing a serrated edge for cutting the Portable drilling machines made of formation through which it passes.



"evolution of oil well machinery." It sink a column of casing through the is wonderful how efficient they are, most stubborn beds of quick sand or and the number of wells that can be other soft formations, which will not drilled with one machine. tration is shown of a metal portable of the usual procedure of first drilling drilling machine.

as practiced in China, the method used duction of a rotary hydraulic drilling by Drake, and for more than 250,000 outfit in actual operation. wells since, was not suitable for drilling in sand or loose formations. Some ered which require both the cable and entirely new and different process had rotary systems to work to advantage. to be provided to put down wells in A combination rig has been provided, the sea sand in the Texas and Louisi equally effective with either system. ana oil fields.

An illus-through their lack of stability, admit the hole and then lowering the casing "Necessity is the mother of inven- to form the final and lasting wall for The method of drilling wells the well. The illustration is a repro-

Formations are frequently encount-The rotary hydraulic This rig embodies the principles of

Y

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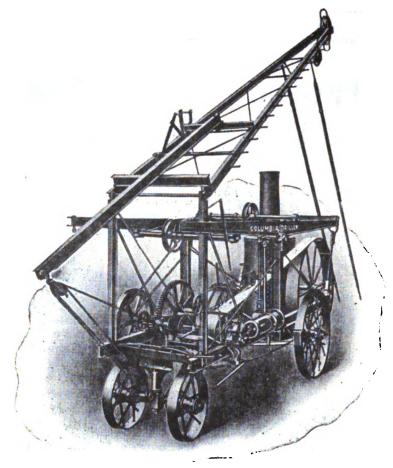
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DRTABLE DRILLING MACHINE

hydraulic rotary rig. With the com-sary to use casing from top to bottom bination rig it is possible to drill thru of the wells to sustain the walls. any formation. The cable tools may larger the diameter of the casing, the be used to drill through hard strata larger the well at completion. Riveted whenever encountered. The walking casing from 22 to 30 inches in diambeam is mounted on a revolving center eter is first employed, and as much of support, and when found desirable to one size as possible is inserted; then use the rotary tools the beam is swung the next smaller size, and so on. aside, thus permitting the free passage of the hoisting lines to the drum. See work on "The Oil Fields of Russia" illustration of combination rig.

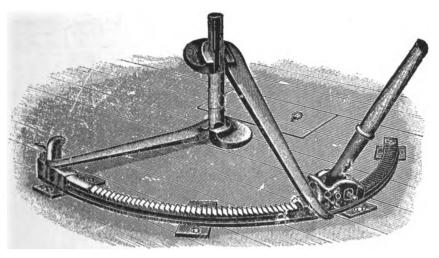
The formations in the great oil drilling wells in that country: fields near Baku, in southern Russia, are largely composed of sea sand and a system of drilling had to be devised Russian boring rig is composed of the

both the standard cable rig and the to meet the requirements. It is neces-

I quote from A. Beeby Thompson's a brief description of the process of

Russian Free-fall System.

"The string of tools for a common



BARRETT OIL WELL TOOL JACKS

For Wrenching and Unwrenching Tools. The Standard All Over the World for Well Work. Made Only by

The Duff Manufacturing Co.

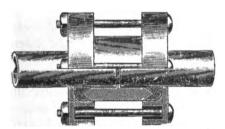
Send for Catalog.

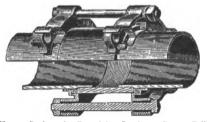
ALLEGHENY, PA.

S. R. Dresser Manufacturing Co.

Successor to S. R. Dresser.

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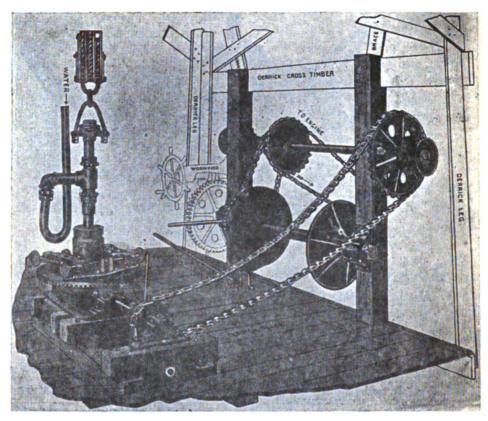




Regular Coupling, Style 1, for Plain End Wrought Iron Pipe. Clamp, Style 4, for Repairing Leaks on Screw Collar.

COUPLINGS and CLAMP PACKERS

All Kinds of Specialties for Gas, Oil or Water Lines. Send for Catalogue.



ROTARY HYDRAULIC, READY FOR USE

chisel or boring bit, under-reamer and tain height and then allowed to fail over 3½ tons.

low, is an ingenious appliance by removal in sand buckets or other clearwhich the chisel, in conjunction with ing tools. the sinker bar, can be raised to a cer- The rate of progress made by pul-

sinker rod; then comes the free-fall, freely again. The internal sliding which virtually separates the string, portion of the free-fall is connected to connected to 11/4-inch square iron rods the rods, and attaches itself automatithat extend to the surface. The whole cally to a projection on the body of is suspended from the extremity of the instrument when the lowest point the walking beam by means of a com- is reached, but it may be disengaged bined temper screw and swivel, which by a slight twist imparted to the rods allows a free rotary motion and deli- at the surface during the upward cate regulation of the feed as the bor-stroke. The consequence is that the ing progresses. The tools, consisting boring chisel, sinker bar, etc., can be of chisel, under-reamer, sinker bar, lifted and released at each oscillation guides, etc., weigh about one ton, of the walking beam, and from twenty whilst 1,500 feet of rods weigh a little to forty powerful blows a minute can be delivered to the rock, which is pul-The free-fall system, illustrated be- verized into a fine powder suitable for

Come and See

Come and hear the good new reliable



we are selling for \$150.00, \$175.00 and \$200.00 cash.

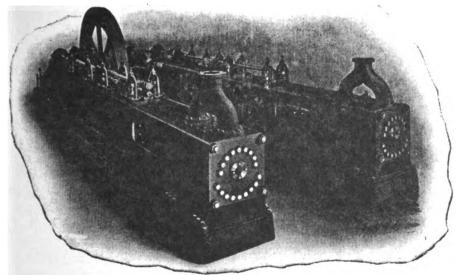
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E. A. WILSON & CO.

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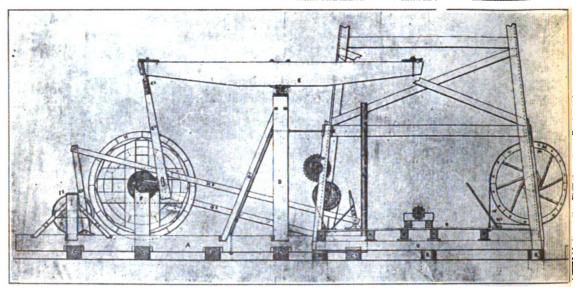
OIL CITY, PA.

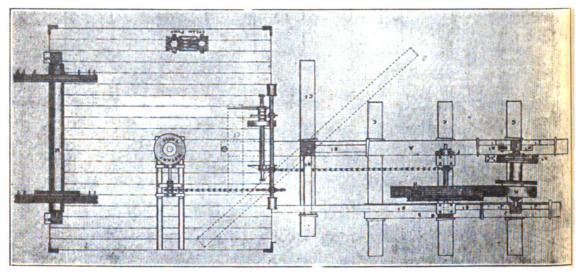


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Heavy Duty Gas Engines and Gas-Driven Compressors For All Purposes up to 2000 H. P. Complete Natural Gas Pumping Stations a Specialty.

RIVERSIDE ENGINE CO., Oil City, Penna.



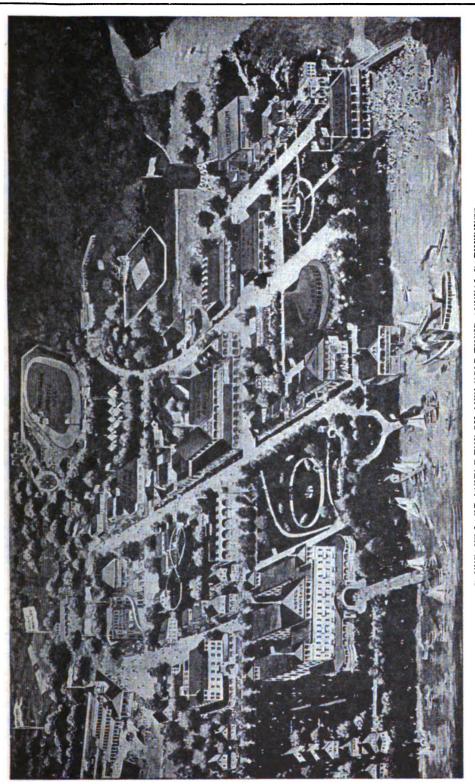


GROUND PLAN OF A COMBINATION "CABLE" AND "ROTARY HIG"

bore-hole, and the nature of the form-siderable depth. ations, for whilst as much as from 20 to 25 feet may be passed in clays and through soft formations is called the soft beds in 24 hours, not more than "mud scow and stove pipe system." one or two feet can be bored in hard Its distinctive features are a portable rock or compact dry sands. As the ladder derrick ranging in height from

verizing the strata in this way depends under-reamers must be resorted to in upon the diameter and depth of the order to secure its freedom for a con-

Another process of sinking wells riveted casing used for lining large 34 to 36 feet, mounted in heavy trucks. wells will not stand much driving, The "mud scow," a tool combining the



CONNEAUT LAKE, WHENE THE OIL MEN HOLD THRIR ANNUAL GATHERINGS

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properties of a cutting bit and sand been designed originally in France by riveted pipe. is placed in the well.

the first consideration is necessarily rock is cut out in a solid core and is that of pipe, or casing. found practicable to substitute riveted from above. pipe for this purpose, in place of the As a substitute for the diamond standard lap-welded screw and socket drill, a combination of hardened steel joint casing. made from staple steel sheets, either rolled under a smooth-edged bit, for No. 10 or No. 12 gauge, in sections hard rock, has been found to be efof two feet. this pipe in double thickness.

to one-half its length, where it is held temper. either by rivets or by dingeing with a This process is used extensively in pick.

ing represented by the inner measure-ed up like cord wood. ment plus four times the thickness of There has been a great change in the plate of which it is constructed, the manner of extracting oil from The manifest advantages are in the wells since the pump was first introflush outside, permitting its passage duced. Formerly each well was suppast obstacles which would catch the plied with an engine and sometimes a couplings of ordinary casing, and in boiler, but more frequently one boiler the constant accessibility of the upper was located so that a number of enend of each section for the attachment gines could be supplied from it. Then or insertion of the working tools. followed a central pumping station to a depth of 1,000 feet through sand capable of pumping twenty or thirty clay, soft shale, gravel and small wells at one time, the connection beboulders.

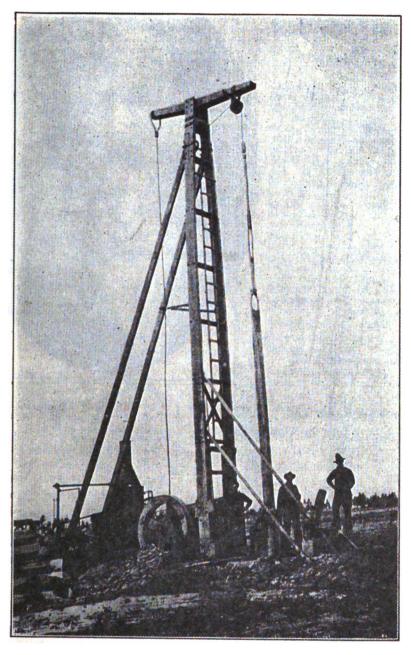
"diamond drill" which is said to have or iron, or by wire cable.

The "stove pipe" casing, or Rudolf Leschand. The drill consists Hydraulic jacks and of a long thin tube or cylinder of steel, chored to heavy timbers and used in in the lower end of which diamonds forcing down the casing. The "per- are set around the circumference; these forator" for making perforations at diamonds are really the cutting instruany desired point in the pipe after it ments. The drill is operated by machinery from above that gives it a In sinking wells of large diameter rotary motion of great velocity. It has been removed in pieces by clamps let down

This riveted pipe is cutters for soft rock, and chilled shot, It is customary to use ficient and much more economical. Water is pumped down the hollow ro-This is accomplished by passing each tating drill rods and washes the dealternate two-foot section, either in-tritus to the surface, at the same time side or outside the preceding section, keeping the bits cool enough to hold

New York City for drilling water Each single section, while being two wells and shafts for hydraulic elevacfeet in length, represents only one foot ors for "sky scrapers." Cores of hard of progress. This pipe is ordinarily granite 14 inches in diameter and ? made in 16-inch, 14-inch, 12-inch, in- feet long, which have been taken out side diameter, the outside diameter be- of some of the holes, have been stack-

Wells have been sunk by this system operated by a gas or steam engine tween the central pumping station and Another device for drilling is the the wells being by rods, either wood



MUD SOOW RIG

...THE ...

Butler Business College

New buildings, new and splendid equipment, a strictly firstclass and up-to-date school that actually places its graduates.
A few of the hundreds of promi-

A few of the hundreds of prominent concerns that employ them:
The Butler County National
Bank, Guaranty Safe Deposit &
Trust Co., The Farmers' National Bank, Butler Savings &
Trust Co., John Berg & Co.,
Standard Steel Car Co., Standard Plate Glass Co., B., R. & P.
R. R. Co., B. & O. R. R. Co.,
Penna. R. R. Co., etc., of Butler.
Pullman Palace Car Co., Westinghouse Electrical Mfg. Co., Na-

inghouse Electrical Mfg. Co., National Tube Co., Union Steel Co., Jones & Laughlin Steel Co., Germania National Bank, Boggs & Buhl, Pittaburg Dry Goods Co., etc., etc., Pittaburg.

"A Word to the Wise is Sufficient"

Catalogue and circulars mailed on application. May enter any time. Fall term opens Sept. 2, 1907.

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First Class Bar and Sample Room in Connection

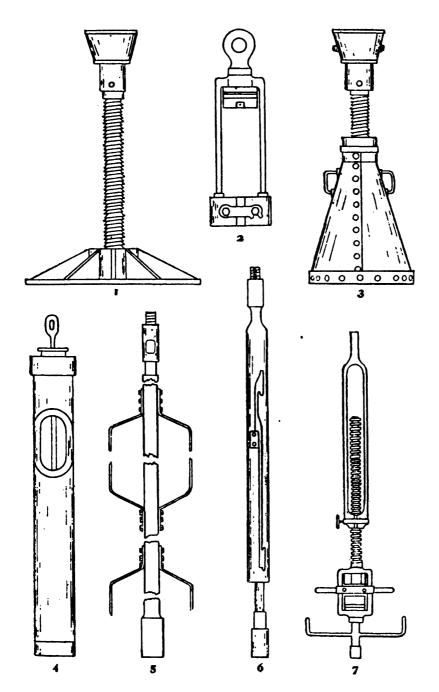
Taylor Thouse

FORMERLY THOMAS INN

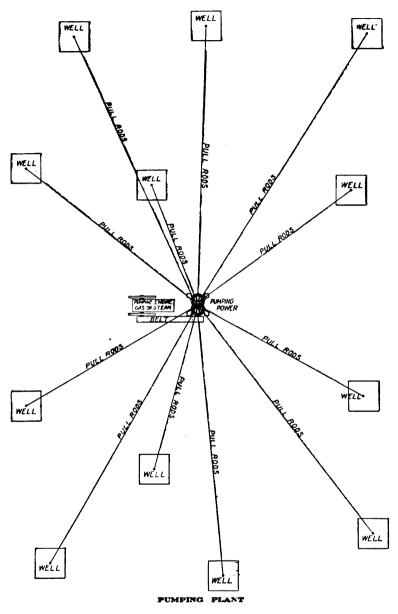
J. W. TAYLOR, PROP.

Oil Men Are Cordially Invited to Visit My Hotel While at the Lake.

CONNEAUT LAKE, PA.

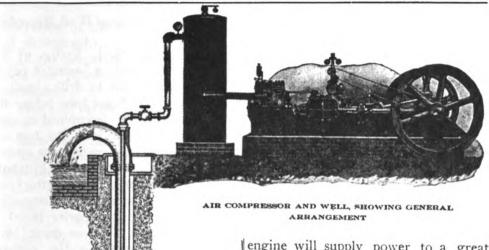


Tools required for Russian Pres-Fall System



same to the wells.

being balanced against another, the Compressed air for pumping wells stroke downward in one case and up- has probably shown the greatest adward in another, a medium sized en- vance in the art of extracting oil from gine was sufficient to supply power to wells. It is more effective and cheappump a number of wells. The illus- er than any other method. One comtration shows a central pumping sta-pressor, centrally located, will blow tion and the manner of connecting the oil out of one hundred or more wells. It requires but a few moments



can be blown out at one time. to conduct the air from the compress-peach tree rod, to point out the localor is inserted into the tubing of each ity of the deposits of oil: The mode well and run to within a short dis- of procedure is to take a natural fork tance from the bottom; the end of the from the trees referred to, having its tubing is plugged, and the tubing is limbs of equal length and size, and to perforated two or three feet from the strip off the leaves within an inch or is turned into the pipe. It has been time extended from the body. to a reservoir.

and effective method of pumping have been indicated by this singular wells.

engine will supply power to a great many motors set at the wells, connected to the working barrel valves. equipment is very expensive, therefore this method has not come into general use. The cost of operating, especially with a gas engine, is very small.

Dr. Eaton's "History of Petroleum" contains an interesting account of a device often resorted to in the to "blow off" a well, and a number early days of the industry to locate oil Pipe wells. "This is the use of a hazel or bottom to allow the oil to flow into it, two of the main stem. The extremities the lower end of the tubing being sev- of these limbs are then grasped rather eral feet below the top of the fluid. firmly in the closed hands with the The oil is soon blown out after the air backs downwards, being at the same found advantageous to use the same supposition is that if there be oil unair over and over again, the air as it derneath, the fork will revolve in the comes from the well, with the oil, be-hands, having the two extremities for ing separated and the air conducted an axis; if not, it will remain erect and immovable in the hands. In-Electricity furnishes a very simple stances are on record where rich wells A generator operated by an mode of manipulation. There may be philosophy in the theory, but it is The First Third Sand Well Recorded. difficult for the uninitiated to perceive it."

It may be interesting to know the cost of a well 600 feet deep in 1866. Dr. Eaton gives the figures as follows:

40 feet of metal pipe at \$6.00	
per foot\$	240.00
Band Wheel and Belting	125.00
I Engine, 10 H. P I	,600.00
I Set of Boring Implements	325.00
Derrick complete, with bull	
wheel, walking beam and	
sampson post	100.00
600 feet of cable and sand	
pump rope	100.00

"In 1863 Mr. S. L. Fertig, of Titusville, employed a small 8 or 10 horse power engine to drill a well to the third sand. Some time before the well was down he determined to tube it, when completed, with the best artesian tubing. He visited the manufactories at Cleveland and Pittsburg o and at last found a few lengths lying in front of a small establishment in the rear of the St. Charles Hotel at the latter place. It was made by a Philadelphia concern. He ordered six hundred feet shipped at once and contracted with a Pittsburg party to take it, on its arrival there, mount







Diming ood reet at 42.30 per	_
foot	th
600 bushels of coal at 50c 300.00	P
	ca
Total \$4,200,00	tc
Total \$4,290.00	aı
And the cost of tubing a well 600 feet	
and inserting pumping apparatus as	eı
follows:	C
Car fact of abombon at 600 \$260.00	w
600 feet of chamber at 60c\$300.05	D
Pump barrel 35.00	tı
600 feet of sucker rods at 17c. 102.00	r
600 feet of chamber at 60c\$360.00 Pump barrel	n
	le
Total \$509.00	-

Drilling 600 feet at \$2.50 per

leach joint with brass thimbles, and at the same time manufacture for him a peculiar discharge pipe, which was to cap the tubing, having four stop cocks to facilitate the conveyance of oil to any desired point."

An association has been formed to erect a suitable monument over the location of the Drake well. The land was owned by the estate of the late David Emery, of Titusville, who contributed three acres immediately surrounding the well for the purpose of marking the birthplace of the petroleum industry.

The above views are an interesting il-

lustration of the evolution of the art of photography.

In the preparation of the above article the following works have been consulted:

Huc's "Travels in the Chinese Empire."

Henry's "History of Petroleum." The Derrick's Hand Book of Petroleum.

leum."

McLaurin's "Sketches I. I. Crude Oil."

Brant's "Petroleum and Its Products."

Wright's "The Oil Regions."

Cone & John's "Petroleum, Its History and Development."

A. Beeby Thompson's "Oil Fields of Russia."

Crew's "Practical Treatise on Petroleum."

Whiteshot's "Oil Well Driller." Bates' History of Crawford County.

> 4116 Baltimore Ave.. W. Phila, Pa., June 5th, 1907.

Mr. John Eaton,

Dear Sir:

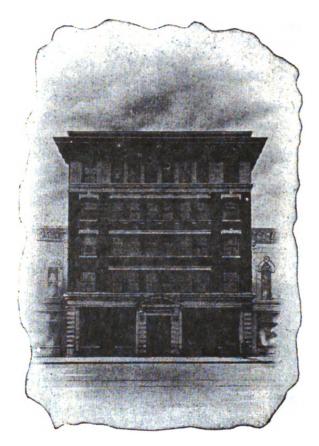
I answered your letter Dr. Eaton's "History of Petro-this morning, perhaps not satisfactorily. After looking and studying in the illustration you sent me I can see it looks more and more like the old engine at the well. My son-in-law, Mr. Harry O. Emory, who tells me he has some acquaintance with you, explained to me what I did not first observe in the picture.

> Perhaps it's not necessary to have written this.

> > Very truly, (Mrs.) E. L. Drake.



HON, JOHN EATON. President Oil Well Supply Company.



FRANKLIN TRUST COMPANY'S NEW BUILDING.

HE people of this vicinity have reason to point with pardonable pride to one home institution that ranks with the leading financial houses of the country—The Franklin Trust Company.

With an organization of comparatively recent date, May, 1901, the rapid advance to first place is rarely equalled in the history of banking.

While chartered and operated under the strict Pennsylvania banking laws, this institution has been dominated by a policy—an unwritten law of its own—to offer a banking service so complete and satisfactory that once served, depositors would not think of going elsewhere.

The gratifying result has been an average yearly increase in deposits of \$178,669.46.

Beginning with deposits of only \$543,188.75, in the short space of six years the deposits have grown to the enormous sum of \$1,615,205.56.

The solid standing of The Franklin Trust Company is indicated by Capital Stock, Surplus and Undivided Profits of \$675,000.00, every cent of which is liable for the protection of its depositors. The total Resources are over \$3,000,000.00.

BANKING DEPARTMENT.

Special attention given to commercial accounts. Accepts deposits of any amount subject to check. Collections both foreign and domestic. Drafts issued payable in all parts of the world. Money loaned on real estate mortgage, judgment or other approved collaterals.

SAVINGS DEPARTMENT.

One Dollar opens a savings account with this institution. By a system of its own, this bank has made it possible for persons living at a distance and of the smallest means to have every advantage of city depositors, depositing or withdrawing small or large amounts with safety and convenience. Four per cent. compounded twice a year paid on savings deposits. Money received before the fifth of any month draws interest from the first of that month

TRUST DEPARTMENT.

The funds and securities of this department are separate and apart from all others. This company now acts in the management of over 200 Trust Estates, the accounts of each being separate and open for inspection at any time.

The Franklin Trust Company acts as Executor, Administrator, Assignee, Trustee, Guardian, Attorney in Fact, Agent, Committee, Transfer Agent, Registrar or Receiver.

SAFE DEPOSIT VAUL/TS.

Absolute protection against fire or theft for important papers, jewels or valuables of any description.

Boxes as low as \$2.00 per year. Keys in possession of the owner only—no other person having access. Desks and special stationery, private apartments for the examination of papers for the exclusive use of patrons.

OUR NEW BUILDING.

E invite any and all who can do so to visit our new building, to which it is believed nothing can be added for the comfort and convenience of tenants.

An inspection of our new banking rooms, massive vaults and other equipments on the ground floor will be most interesting. Visitors will be personally conducted through the various departments and every effort will be put forth to make the occasion enjoyable, whether for the purpose of business or not.

With our additional facilities in our new building it should be quite conclusive that this bank can give you valuable aid and service in any matter pertaining to banking.

Full information on any banking matter will be promptly furwished at any time by consultation or mail.

THE FRANKLIN TRUST COMPANY

Franklin, Pa.



FIRST PIPE LINE PICNIC, HELD JUNE 28, 1867, AT SLIPPERY ROCK PARK



WM. KENNEDY, Proprietor.

Try the NEW PARK under the new management the next time you come to Butler.

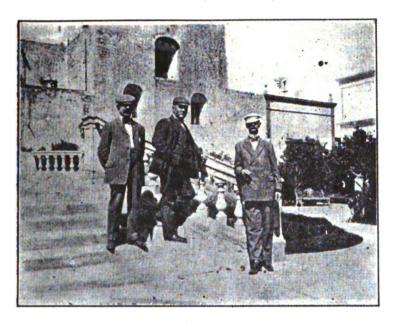
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THE LAND OF MEXICO

By S. G. Bayne,

President of the Seaboard National bank. New York City, a Pioneer Oil Man.



AT MERIDA, MEX. The Author in the Center.

Bird's Eye View of Mexico, Our Neighbor Country-Fabulous Riches in its Forests, Plains and Mountains-Tremendous Possibilities of Development-Merida the Most Wonderful Town in the World—80,000 Inhabitants, 42 Millionaires—A Most Interesting Article.

New York, April 10, 1907. C. R. Wattson, Esq., Secretary, Butler, Pa.

Dear Sir:

In response to your request that I should write you an account of my re cent trip to Mexico, for insertion in your souvenir book commemorative of Lake. I would say:

the 28th, on the steamer "Merida," the famous Barnegat light we bad: hundred weeds.

adieu to the North and shed our winter clothing next morning in the mild and balmy climate prevailing in that latitude. Then we ran down the Florida coast so close to the shore that we could see people at the big hotels bathing in the surf. Later we ran over to Havana and went ashore to spend the Oilmen's Reunion at Conneaut a day. It was more than enough! There is not much of interest there. I started on this trip on February, excepting the giant crabs and the rusty scraps of the "Maine." The Mr. Morse's new liner. We steamed crabs are fine eating. I went through down the Jersey coast and in passing the Punch cigar factory and bought a The owner showed me his men making cigars for Raisun he Yankee argonaut will change all at two dollars each. I smelt the out-that if he is given an opportunity to side of one of them and that's as far as develop the rich possibilities of Cuban I went. The harbor is a little toy place, soil and climate. and is the vilest pool on earth; it has I was glad to get out of Havana a smell much worse than Ragusa, the when we sailed for Progreso in Yu-Montenegrin port, and that cuts you catan. We had a lot of "big wigs" like a razor.

Heber's lines, "Where every prospect controlled a paying streak in the old pleases, and only man is vile," applies "Joe Miller" joke mine. Unfortunwith forceful truth to Cuba. You see ately, I told him I knew Harland, the evidence of "manana" almost ev- Wolff and Lord Pirrie when they be-

on board, including the gentleman The trite quotation from Bishop who built the ships of this line.



ORIZABA MOUNTAIN, THROUGH THE CLOUDS

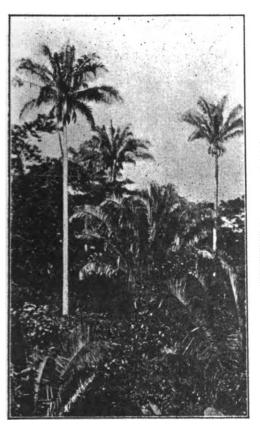
ervwhere. present are tropic If America and the between us. bacco smoke. Americans take hold of its destinies, jority of its people cannot manage gone ashore."

The principal assets at gan to build the White Star line in scenery and to-Belfast in 1865, and that was the bond

I don't know how often he said to Cuba will in time become a great acquisition for this country, but the mayou last night so I concluded you had After the fifth or their own business, much less that of sixth time when he started this joke, an important state. It is one of the the ship's compound reciprocating enmost expensive places in the world to gines groaned so loudly that the noise live in, being almost on a par with the knocked a big splinter off Mount Ori-Klondike in the matter of prices, but zaba as we entered Vera Cruz harbor,

and its fall started an avalanche far railroad for that city. above the snow line, which many thought "quake." me in many ways and I forgave him, though it was but a small village a putting up a standard crockery smile iew years ago. for him as he finished this polished electric trolleys, theatres, clubs, the marine "chestnut," which was whis- best cabs and cab system I have ever pered in fear and trembling by Ham seen, fine hotels, and street all paved to his brother Shem just before he in cement and as clean as a whistle. stepped down the ark's gang plank.

port of Yucatan, and proper "infloo- No men or women are allowed on the



TROPICAL PALMS

and that gave us time to visit Merida. time before replanting is needed. the capital; so we started on the new There are in Merida some forty-two

Merida is the newest and probabwas the beginning of a ly the most wonderful town in the But he was very useful to world. It has 80,000 inhabitants, al-It has water works, The town is laid out up to date on a We duly arrived at Progreso, the flat plain, and it all works like a model. streets in soiled clothes, and I did not see a single exception to this except myself; the women were all in spotless white. There are, of course, not many garments to keep clean, but what there are are perfect. There are twenty tribes of Indians, and the Yucatecos ire made up of many races.

But there is a great big "fly" in this 'ointment;" the place is only five feet above sea level, and being moist and near the equator, the heat is blistering. But how did this Aladdin town, with such perfect conditions, come into exstence so suddenly? By the discovery some years ago that a kind of aloe plant that only grows to perfection in hat part of Yucatan, would produce .. fine quality of hemp. It is called hennequin (pronounced hen-y-kin.) It is of the yucca family, but much larger than the yucca. They cut off the big flowering stem and force the lower leaves, and it produces hemp in seven years. It takes eighty leaves to make a pound of hemp, which sells for seven cents. Under these conditions they do not know how long the tree ence" being brought to bear on the (for it is a tree) will last, as they captain, he found it would take him have not had enough experience to find about a day extra to handle his freight out, but they think it will live a long

Yucatan. rows, and you see nothing else. Fleets burnished gold. are quite an imposing sight. hundred revolutions a minute. to "blow him off." At the conclusion soften my fate. of his promise. Governor of the state of Yucatan was Oh! what a night! is "going some" in any country.

After seeing what a modest aloe plant can do for a new country, we world where one can see the whole started for Vera Cruz. scorching hot, as it is at sea level. As the trip from Vera Cruz to Mexico

millionaires who have made their for-I we went into the harbor we saw Oritunes in some connection with henne zaba about a hundred miles away: i* Merida is the Pittsburg of is nearly 18,000 feet high, and the The trees are planted in rising sun turned its snow cap into We hustled out of of steamers at Progreso are taking the Vera Cruz as fast as the custom ofhemp to all parts of the world. It is ficials checked our baggage and the put up in big white bales and the docks train would carry us, up to the town The of Orizaba at the foot of the mountain land was originally bought for about of the same name. This is a delightfive dollars a square mile, but five dol- ful place, about 5,000 feet altitude, and lars would not buy much of it now. we kept adding to our clothing about The Yucatecos are "dead game" sports every twenty-five miles, till at nightwhen it comes to spending money, and fall when the town was reached we the way they scatter coin would make wound up in overcoats and mufflers. a Pittsburg blood look like a modern! There is a great boom in Mexico, and They invited President consequently the hotels and trains are Diaz to pay them his first visit; he ac-crowded beyond their capacity. There cepted, and they gave him the time of were eighty-seven on the train, and his life. They issued orders to have not a bed at the hotel for them; it was all the houses that he would pass worse than my experience at Porto freshly painted, to build new railroad Rico last winter. It took us four hours stations and docks, and to make things to work out our salvation. At one a. hum generally, on a basis of fifteen m. I concluded negotiations with two He strangers stopping at the hotel for the was proud, and they were happy, ever privilege of sleeping on the tile floor when it cost them a million and a half of their room, with some blankets to They were good of the festivities Diaz made a speech fellows, and we tried to sleep three in and promised them the finest dock their bed, crosswise, using a table to plant on the continent, and arrange rest our heels on, but it wouldn't work, ment are now being made by the Re- and I felt it incumbent on me, as the public's government for the fulfillment intruder, to take my medicine on the Not long ago the three-hundred-year-old Mexican tiles. But, as William returning from Paris with his family says: "Receive what cheer you may, and not wishing to transfer to a small-the night is long that never finds the er boat in order to land at Progreso, day." It wasn't hard for me to leave he gave the captain of the big liner the tiles at five and wander about the fifteen thousand dollars to stop and streets till the gong sounded for cofput him ashore at the landing. This fee and eggs, the Mexican early breakfast.

There is perhaps no place in the It also is range of growing things as he can on

highest point from sea level. You start with rank, tropical vegetation of all kinds, then coffee, plantains, lemons, oranges and all the spices; then the trees, such as mahogany, teak, ebony, etc., winding up with hard woods and pine. The flowers and fruits follow the same range, and the woods are full of them in luxuriant bloom today; they bloom here all the year around, and the flowering treeblooms often meet over the roads like a white umbrella.

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NATIVE WOMEN EN COSTUME

The scenic wonders on this ride are grand. There are many savage gorges called barrancas, and ravines, plentifully supplied with waterfalls; verdure everywhere; while you have always iron trays, and looked like a "rarebit

City, making about 10,000 feet to the go, the three big mountains and a dozen others over 12.000 feet each. The "big three" are Orizaba, Iztaccihuatl (pronounced E-s-ta-cy-wa-tel) and old "Popo," which is the popular name for Popocatepetl. The meaning of Iztaccihuatl is "The White Lady." They are all about 18,000 feet, but Orizaba stands out the best and is the favorite—or at least it is mine. a fine, clean-cut cameo, and reminds me of Fujiyama in Japan. It is said to be the most inspiring mountain on the continent. About a third of their bulk is covered with snow, and they are constantly being enveloped in clouds and mists and breaking out tirough these again, making the scene one of changing interest and keeping ne always on the lookout for new eiects. The best of the scenery from Orizaba to Mexico City is on the left side, and the fight for this side of the ars is like a foot ball wedge. I was andicapped by a big bag, and was shut out on the "first down," but I lieaded a delegation to the Superintendent and had two additional cars I was voted the best seat in the observation car for my services, and so we enjoyed the panorama in peace and dignity.

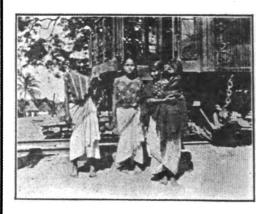
> They have a fine brewery in Orizaba, and its amber fluid would put a dent in any beer "hall of fame," not excluding Munich itself.

On the top of the rim, before we dropped down to Mexico City from the highest point, we had another scramble for a Mexican dinner in a big shed on the summit. While there was plenty of it, in some respects it was unique in cooking and service. The food was catapultized at us from with you, no matter where you may dream." But our troubles were not

wheels contracted a hot-box and we on Sunday) at the "Chapultepec." It had to jack up the car to cool it off is in the park and all Mexico City is twice before we got to Mexico. This supposed to be there. threw us out and made us late in ar- and classical music while you eat. But were full and could not take us in, but Mexico can never be a gay city in the we finally found an old Mexican coal sense that Paris is. Owing to the turned into a hotel. Three of us took done indoors; if you attenuited to the grand suite of the "Lady Prioress," consisting of a reception room, two bed rooms, a dry stone bath without water supply, and a whole lot of other things. The furniture and tapestries were of the Cortez era, and I was tempted to steal some of them and bring them home. The owners put up a big bluff of keeping things up in the style of that era so as to impress us with the value of the rooms, and of course treated us as if they supposed They could not us to be grandees. speak a word of English, and so I had to call them down with "Succo malak: caropachini alapatata!" It worked like a charm, and they all fled before] reached the concluding lines of the first stanza. After I got settled I was almost killed with kindness; one ininterest. ly loud, but most picturesque and be-thousand dollars each. as a Corean umbrella.

ended by any means, as one of our I took dinner (the great function Fine singing The first ten hotels we visited alas! Again the fly in the ointment. zent that covered an acre and had been altitude, everything at night must be sit outside you would soon require an overcoat, to be immediately followed by a drop—at the nose!

> I don't approve of bull fights, but when in Rome one must do as the Romans do, so I was taken to the bull



NATIVE WOMEN--THREE GRACES.

troduction followed another till I ring here; it's the biggest ring in the knew a whole lot of nice people, was world, and there were about fifteen taken out on short auto trips through thousand present. The half who sit the country, and shown everything of in the shade (sombra) pay five dollars, I was in the big Sunday and in the sun (sol) a dollar is the parade in the park. It differed very price. The bulls are bred from fightlittle from the parade in Central park ing stock; like game chickens, they are excepting in the local Mexican cos-thoroughly trained for this purpose tumes and trappings; they are certain and cost from two thousand to three When they coming; tight pants with comic opera dash into the ring a barb (banderilla) designs on them, put on with hooks is stuck into their backs, atached to and eyes, lined down the sides with which are the colors of the ranch silver buttons and buckles, and every- where they were bred. One of the where topped off with the hat as big bulls would not fight, and two tame white bulls were sent in to decoy

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him out. None of the bull fighters to do it. would look at him—they would con sider it disgraceful to touch him; but I thought him the wisest thing in the whole show; he was smart enough to quickly realize what he was up against and acting like a good general made a masterly retreat. He was afterwards sent back to the ranch to be fattened for the market.

These fights are not approved by Diaz, but he can't stop them and re tain his job; he tried it twice. They are like theatrical shows; the company comes to where the rings are and doe: all the fighting. A stock company owns the ring and supplies the bulls and horses, and it divides the receipts The fight opens with a grand flourish of trumpets, then an alleged grandec decked out in ribbons aud superbly mounted rides into the ring and ask: the President to allow the fight to The President leans for commence. ward in his box, gives him a grand salaam and tosses him a silver key for the bull pens. Woe betide "his niles" if he misses that key! The "hoi polloi" will go crazy with indignation and hoot him from the ring. If he catches it, he is rewarded with a ringing salvo, emphasized by hardwood very much like base ball "fans" here: the bungler gets into hot water.

Then four horses are ridden in, away from the bull. derilleros, whose "duty" it is to stick cruelty. Thev barbs into the bull's shoulders. must stick them in both together and Mexico is the pulque (pronounced side by side, or be hissed by the spec-pool-kay) industry. This pulque is a

They hadn't much trouble cators. After these men have tortured and fooled the poor bull into madness, the matador comes in and plunges a long steel sword between the shoulder blades of his victim, piercing the heart and killing him. Before the death thrust is given, a long scene of cruelty is enacted; the picadores on horseback prod the bull with a steel pike; this maddens him and he rushes at the defenceless horse, and with a great exhibition of strength, tosses him with his horns in the air, instantly killing him. Meantime the picador has the skill to slip off the horse's back, un-There are six bulls killed at hurt. each fight, three each by two mata-



WITHOUT FIG LEAVES

dores, and there is great rivalry between them for public favor "The boys" in Mexico are admirers throw all sorts of things icto the ring as gifts—but these are reeverything must be done just so, or turned to them afterwards, so this generosity is not expensive. I could not stand it, and left after three bulls blindfolded so that they can't run were killed; and if I lived in Mexico Then the men for a hundred years I could not be inwith the red cloaks (known as capea-duced to look at another bull fight; it dores) appear, followed by the ban is an elaborated chromatic gamut in

The most wonderful thing about

the maguey, of the aloe family. This tains numerous and spacious theatres, plant produces the sap at the age of and one of the five years, at which time the heart is houses in the world is now being erectcut out, leaving a cup which fills with ed. There are plenty of hotels, but sap. The flow lasts long enough to they run to splendid vestibules and produce about two barrels; this sells spacious verandas, with but little comfor \$2.75 a barrel, and with it the life fort inside. There is a great opening of the tree is ended and it is pulled up, in Mexico for straight American holeaving the money product at about a tels and restaurants. dollar a year for its life. It is a vast The Paseo, or boulevard, extends industry, it being estimated that over from the heart of the city to Chapula million quarts are daily consumed in tepec. It is very imposing and is the city of Mexico and its environs usually thronged with riders and alone, being about two quarts for each drivers. inhabitant. It comes into the city on have a successful device; a secondtrains as milk does with us, as it will class car closely follows the first at not keep and must be consumed when half price; this separates the peons delivered. It begins to ferment in a from the prosperous class without the short time, and if then drunk, it be-slightest friction, and should supersede comes an intoxicant. The peons drink the "Jim Crow" plan in our southern it in this state when it is unsalable to states. The money system is very easy: the better classes. combination of vinegar. matches and yeast, but in spite of this two," is the cry everywhere. sidered healthful. fessed, however, that the taste for it on the train for Cuernavaca. Mexico.

markable for the splendor and number palace. Jose de la Bora was the of its churches. The cathedral is the grand old man of Cuernavaca; he was largest, being 400 feet long and 177 the primeval multi-millionaire, and dug

popular drink made from the sap of and finished in 1626. The city congreatest opera

> In street car service they It tastes like a One American dollar is worth two sulphur Mexican. "Two for one, one for

when taken in moderation it is con- After exhausting the City of Mex-It must be con- ico, I started at daylight one morning is as distinctly an acquired one as the crossed the mountains at an altitude of nibbling of limberger cheese, and re- 10,000 feet on the way out, and dropquires as much practice and Spartan ped down to a 4,000-foot level before determination. For hundreds of miles reaching the station, consequently I on all sides of the city the land is en- found it a much warmer place than tirely given up to the cultivation of the Mexico City, the latter being somemaguey tree; it must be grown near thing short of 8,000 feet above sea the city, as the juice soon ferments level. This is a charming old place There are one thousand "poolkay" and contains many interesting sights shops in the city, and all connected for the traveler. The hotel I stopped with the industry are prosperous. It at was used by both Cortez and the is the biggest thing of its kind in Emperor Maximilian in olden times; in fact, Cortez lived in it in 1521, The City of Mexico is chiefly re- while directing the building of his feet wide. It was commenced in 1573 about fifty million of silver dollars

church hard by. Both are the show elers do to the ocean swell. worth seeing.

stop was at San Luis Potosi, some knew what he was 75,000, was settled as a mining camp is well known to its people. in 1566, and has today a silver pro-duction of three million dollars per Monterey, a large city that is practiccelebrated San Pedro mines. The stat- journey at that point, as I had seen istician will whittle his pencil and tell many other cities just like it. you how much these mines have pro- crossed the Rio Grande, and from duced in all these long years—and the there the trail to Broadway is easy if result gave me a combination fit of you have the price. inflamatory rheumatism and St. Vitus In concluding these brief lines about

banker at San Luis Potosi.

out of the old Mexican rocks. Jose very loosely and had grown as thorwas a great builder and spent a million oughly accustomed to the rocking on a garden and another million on a motions of the earth as Atlantic travplaces of this vicinity and are well time I assumed this to be strong blast of "hot air," but the recent disturb-I left Cuernavaca with regret and ances in Mexico have proven that he set my compass for home. My first was quite in touch with the truth and talking about. three hundred and twenty-five miles However, most of the republic is free distant. It has a population of about from shakes, and the earthquake belt

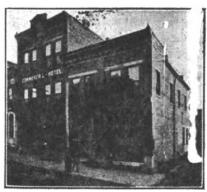
The silver comes from the ally American. I did not break my

dance; something hard to stand for, a country of so many attractions, it even when the reputation of a silver may interest the reader to know that mine is at stake. Were I to divulge it is one of the oldest, if not the oldest. these figures and stand by them, our country in the world. No one knows worthy president would certainly hang what races lived there before the Tolmy picture right beside that of Saptecs, and whoever they were, they left phira in his celebrated "hall of fame." no sign except some of the finest runs I had an interesting talk with a in existence, not excluding those in He said Egypt, Greece or Rome. The excathe banks were very prosperous vations at Mitla now being made by throughout Mexico; most of them pay President Diaz are revealing wonderfour per cent. on deposits in Mexico ful ruins that amaze the archaeolo-City, and lend their money at eight to gists by the splendor of their vast pro-The provincial banks portions and the perfection of minute do not pay any interest, but charge the details. The Toltecs came in 648 A. same rates. The bank stocks make an D., and were followed by the Chichiaverage return of eight per cent on mecs, the Nahuals, the Aztecs, the the investment. I also met by chance Montezumas, and finally the Spanan oil operator whom I knew many lards. As each new race arrived, the years ago in Franklin, Pa. He is now one in possession was pushed out, working a silver mine here, and said till we now find the Mexicans govhis mine was in a "hot spot," as they erned by Diaz, who is the greatest livhad a dozen "shakes" every month; ling ruler of men, with but a few equals but that these did no harm, as they in history. I hate to throw cold water constructed their one-story buildings on a grand old figure like Columbus,

as he stands carved in Carrara marble deed armed to the teeth. at Fifty-ninth street, but if we reason dressed in fantastic style and may be by analogy it cannot be said that he truthfully called "the finest." No one discovered America. He was simply has any chance to be really very bad a very modern visitor, traveling pos- while they are in the saddle. While sibly without a suit case, and landed I was in the country they shot live in the vestibule of a country that was men on the Colima trail, caught in the probably growing melons for its act of ambushing a silver ore mule breakfast when Alexander was shout train. ing that the supply of worlds was Marion Butler, who is an ardent adrunning out and that he would soon mirer of President Diaz. I was told have to take a half holiday if some one that the President had remarked to didn't find a new one for him. Diaz him, with a touch of sadness: has made Mexico what it is today—hope to live long enough to see Mexisafe, prosperous and progressive. An co a real republic. instance of his methods is that when although I don't want to be one. he came into power and found the have now but two classes; the rich states overrun with banditti, he par- mine owners and ranchmen who spend doned these bandits and turned them their time and money in Paris, and the into a rural mounted police, acting poor peon, whose labor supports them. them with a short rifle which is slung We need a middle class, and I look to between their shoulder blades; they America to furnish us with it." carry also a "Colt" on each side and a Brightening up, he said: "Yes, Mexdirk in their belts, while they toy with ico is full of nuts, and we want Yana night stick, a la Devery, for light kee teeth to crack them." practice on the "gringo;" they are in-

They are Talking with Ex-Senator I am a dictator.





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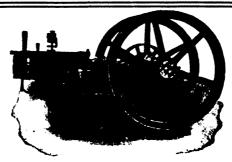
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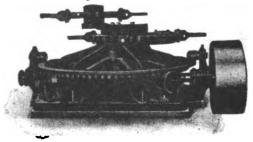
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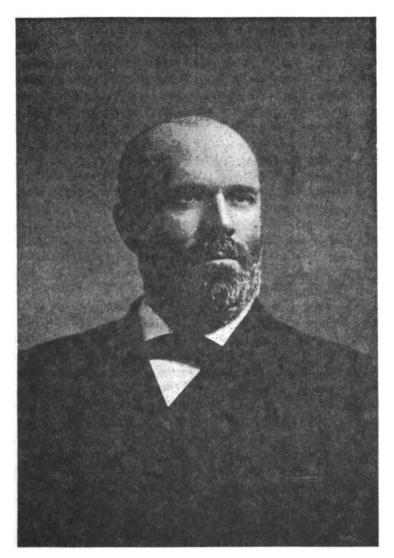
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Parker's Landing, Pa., in the Middle Seventies

By C. W. Archbold.



theme.

I am pleased to have the approval of I have never known a more rep-Secretary Wattson in a proposal to resentative and interesting body of write something for the book of the men-mainly young men-than were Oil Men's Outing Association, not on-gathered together in Parker's Landing ly in a reminiscent vein, but also in the years 1874-75-76 and '77. They chiefly in the lighter vein on the above came there from every point of the compass, but chiefly from the different

because it was difficult not to yield to illegitimate pleasures. the temptation to take what was called roundings.

mon consent at Parker's Landing, re-the drinks. There were always some alizing that place was the coign of who declined to fall in and they would vantage for handling both in a legit- be greeted by the marchers in someimate and speculative way the large thing like this fashion: "Well, be production of the Butler and Arm-virtuous and you'll be happy, but you strong fields on one side of the Alle- won't have any fun." I fear some of gheny River and the Clarion field on the boys found it dear bought fun. the other side. So far as concerns the But enough of this, as there was much personnel of this company, which may legitimate fun which I would prefer almost be described as an impromptu to talk about. gathering of representatives of different branches of the oil business, it is the colony was to "watch the market," not too much to say that they were an there were times, of course, when able and alert lot of young men—there was "nothing doing." At such many of whom have since achieved times the importance of some form of signal success in life. All will agree amusement was apparent and a system it was unfortunate for many of this of practical joking was inaugurated colony to be separated from the re- which in the parlance of the present finements and safe-guards of their day would be called "the limit." In own homes.

impulses and it was easy to get a hat- and yet as a rule the victims mainful of money when any poor unfortun- tained their good nature. ate or worthy cause appealed to their I remember during the summer of charitable instincts. I promised my-either '75 or '76, perhaps the former, self that this little sketch should be no there was a protracted "dull spell" in preachment,—but perhaps I may be the market and the boys were hard excused for saying I some time grow pressed to find adequate sport. a little pensive in recalling the days in ing hot afternoons they would frequestion and from the bottom of my quently congregate in front of genial heart I wish the "boys," of whom I Joe Seep's office instead of the Exwas very fond, had been led to ponder change. Part of the equipment of Mr.

sections of the oil regions as it then carefully and be governed by that imexisted, also from Pittsburg, Phila-pressive Scripture: "Whatsoever a delphia, New York and other cities. man soweth, that shall he also reap." They might be classified, Oil Brokers, I am sure I would not wish to deny Speculators, Dealers, Buyers, Produc- any legitimate pleasure to a young ers and Pipe Line Men. The brokers man but nothing is more clearly estabwere most numerous, though perhaps lished than that there is uniformly a nearly all became at times speculators, bitter price to pay for indulgence in

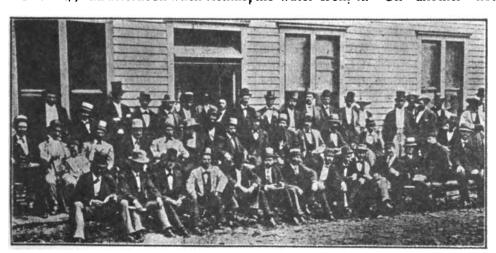
Some times the boys would answer a "flyer" in the market in such a com- the command of some self-appointed pany and amid such exciting sur-leader to fall in line at the Oil Exchange for a march to Dutch John's The clans came together by conlor Bob Taylor's or Fin Frisbee's, for

Although the principal business of fact, I have never known practical jok-The colony was full of charitable ing to be carried to such an extreme,

Seep's office consisted of comfortable were scarce, a well known oil mansplint bottom chairs, the seats of which Billy W.,— was spied coming across had become somewhat worn. Some the bridge from a south-bound Alleadept in practical joking discovered it gheny Valley train. The boys said to would be possible to attach a small me: "Now, Charlie, you and Billy water hose to the spigot in the rear are good friends, and you must get room of the office and convey it along him into the chair." I said: "I'll do by the base-board so as to attract little no such thing. "I'll not treat a friend was introduced into the bottom of the happened, however, that my friend chair from beneath and deftly covered noticed the chair as he passed along with a leaf or a bit of paper. pressure of the water was very strong, it and tipped it back comfortably coming as it did from tanks on the high against the office front. Immediately bluff directly above. The scheme was the water was turned on, but the victo inveigle the victim into the chair tim, being rather conservative and and after he was comfortably settled withal tired and warm, was disposed a sly signal would be given to the man to retain his seat. This was only for at the spigot (usually Davy Laugh- a moment as the pressure was too lin) and the water would be turned on strong and he was heard to say somethe awful impact would usually hold Devil! What the Devil!" and his seat resolutely for a moment and jumping up to look around his hat was then would suddenly jump up and look sent flying in one direction, while he around to see what was the matter and hastily sought the friendly shelter of would be greeted with a powerful Hutchinson and Batchelder's office. stream striking him full in the face and knocking off his hat, when he would of the Oil Exchange many of the ingloriously retreat.

The nozzle of the hose of mine in such a scurvy way." The and immediately swung himself into The victim on first feeling thing that sounded like "What the

As the Allegheny River ran in front sports were connected with the river or One hot, dull afternoon when victims the water from it. On another hot



MEMBERS PARKER OIL EXCHANGE, 1874

my face a powerful stream. One of one. amusement of the crowd.

Perhaps the greatest water event however, was a boat race on the Alle and L. H. Smith. The stakes con sisted of one hundred barrels of "Re-The whole country-side was excited at the prospect of this race and a multitude of the friends of the contestants came at the appointed time to idently guiltless of the tapping. see the race, which was won by Mr. ment of Mr. Smith's friends. whole story with all his old-time interbetween two and three years ago.

tical joking of the Parker's Landing

day a sort of hose duel was arranged rounded by a circle of the boys several between the writer and my Scotch deep, who expressed the greatest infriend, Peter Hutchinson. I hastily terest in my narrative and asked me to donned an old suit and confronted my repeat it in full. Of course, I was antagonist, who was backed by a large delighted with this show of interest number of his friends, as I was by my and began to tell the story again—but faithful friends. I am sure I have noticed that my audience had a sudden never come so near yielding up my call elsewhere and before my story breath as I did when I received full in was half completed all were gone but Of course, in such a case the my special friends, Weston Howland, only thing to do was to "keep sweet Ir., ranged himself on Peter's side for and move on." If one were betraved the purpose of giving me points. This into impatience and should resort to he undertook to do by calling to me what is called in West Virginia, "conhow to direct my hose nozzle—where liending with loud and angry words," upon Peter turned and gave him a or if he should become too verbose or dose full in the face, greatly to the loud-mouthed on any subject he would be quietly advised to "hire a hall."

Among the smaller practical jokes was what might be called shoulder gheny river between Fred Prentice tapping. The victim was approached from behind and tapped on the shoulder farthest from the tapper. The one thus accosted would usually turn quickly only to meet the unsympathetic gaze of a bystander who was ev-

Even men who occupied positions Prentice, greatly to the disappoint of much dignity and responsibility would unbend and have fun with the were legion. My friend, "Smithy," as boys. I have seen General Avery he was frequently called, told me the standing on the little balcony of the Oil Exchange with a fishing rod and est and spirit shortly before he died line in hand and by the aid of an accomplice below, lifting their hats from There was much variety in the prace astonished and bewildered passersby.

Another form of diversion that was talent. I recall having returned once highly popular was the singing of varfrom a trip to Bullion "across the lious songs and ballads and especially country." During the trip to Parker's what were known as Jubilee Hymns something happened, which I do not which were much in vogue thirty now recall, which was of marked in- years ago. Some of the boys were soterest to me and on entering the Oil loists. I shall never forget Phil Goet-Exchange I lost no time in telling it tel's rendering of "Old Black Joe." to a few of my friends. In a short Mr. Seep's specialty was yodeling, but time thereafter I found myself sur-Tommy Hackett was faithful to "Forty Miles a Day on Beans and Hay in chronicler of the chronology of the Regular Army, O" The favorite method in singing was to form a circle and sing with vigor and enthusiasm such favorite Jubilee Songs as "Swing Low, Sweet Chariot," "We'll End This War Down By the River, We'll End This War Down By the River Side." Jimmy Lowe always insisted on singing one stanza of this song in this way:-

If you get there before I do, Down by the river— "Just mention" that I'm coming too Down by the river side.

Some times also such noble hymn as "Nearer My God to Thee" were sung with fine effect. I do not recal that questionable songs were ever rendered.

The writer visited Parker's Land ing early in this year after an intervaof many years. The Oil Exchange building, with its library, which was: source of much pride to the member of a third of a century ago, has long been a thing of the past. I found but one of the old Exchange member: still living in the town-my venerab's Squire Craig and respected friend, known in the old days simply a "Sammy" Craig. He is well past the three score and ten milestone and i living happily surrounded by his chil dren, grandchildren and great grand children. Mr. Craig was the artist of the Exchange and used to "touch off" the various members and visitors with marked skill.

Before closing this sketch I would like to pay my tribute of thankfulness others of the merry company as "Not to the Oil City Derrick as a faithful dead—just gone away."

Oil Regions. This feature of "Organ of Oil," I am sure, is highly appreciated by all its older oil region readers. Scarcely a month passes but some name well known in oil circles in years gone by is included in its necrological record. Only recently I noted in its columns the passing of two who were prime favorites at Parker's Landing thirty years ago, Jimmy Goldsborough and Jimmy Lowe.

As the latter was the last to go, having passed away in March last, perhaps a few words about him may be of special interest in this connection. Like Yorick, he was "a fellow of infinite jest." It was as good as a show to hear him sell a batch of oil certificates. The certificates he handled were usually "fresh as a daisy," and when he had sold one or more he would say, "Come again, come again," in a most enticing manner. He was an inimitable story teller. This is one of his short stories:-

The prisoner at the bar was commanded to stand up to receive his sentence. When the Judge pronounced the fateful words condemning him to be hung by the neck until he was dead! lead! dead! the prisoner bowed low and politely answered: "Excuse me. Judge, but I won't be there! there!"

Those who knew these friends will be fain to think:—

"With a smile and wave of the hand They vanished into the Silent Land."

Also they will think of them and



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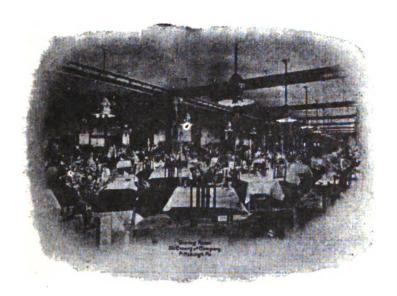
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Wood Street at Sixth Avenue,
Pittsburg.



The Restaurant

NINTH FLOOR

Provides a menu that is appropriate to the taste of its women patrons, and is largely the result of their expressed wishes.

Sensonable dishes—which are obviously the best that the time of year and the market afford—are arranged as the months for certain game, meats, vegetables, etc., arrive.

A "Grill" for men, where they may be specially served and where smoking is permitted, is a feature of the department.

McCreery and Company

Wood Street at Sixth Avenue.
Pittsburg.

THE DEAD, UNBURIED CITIES

By C. F. ALLEN

To the cities of golden visions and hemlock boards; favored more in cheerful drinks than paint; transient, but wonderful; famous for many days, and buried through all the years to come; one who knew your glory, shared your shelter, and (sometimes) drank your beer, lays on your cheerless graves the token of kind and reverent memory.

The snow upon the derrick floor Lies white and cold and still; The ghosts of drillers gone before Crouch down upon the hill, And Magic lifts her wand no more Along the frozen rill.

As on Sahara's darkening sands. The tawney tents erise, Yet all the waste deserted stands. Beneath the morning skies. We saw the work of nimble hands Fade out before our eyes.

The hemlock flung its fragrant shade Above the pumper's door;
The muddy caravans of trade
Toiled painfully before;
And while the chopper swung his axe
The trader raised his store.

A railway shot its line of light Among the slaughtered trees; The derricks burned their lamps by night Like boats on crowded seas; And golden fountains shot in sight On such lone lands as these.

A city built in sixty days Along a single street, Devoid of plaster—while it pays Holds all the rest effete; There is a glamor with the craze Makes such delusions sweet.

And who recalls with wistful eyes Its fortune's ebb and flow, Will see the vanished city rise As in the years ago.

And through its unforgotten skies Hear elfin trumpets blow.

The derricks grow like fairy frames, The golden fountains gleam; A thousand half-forgotten names Ring out as in a dream; And every far-drawn vista flames Through snowy clouds of steam.

Oh, city! fade and melt away, As all thy visions fled; Though all the magic bugles play Thou art forever dead; The rabbits haunt thy brambled way, The owl sits overhead.

The derricks lift against the sky Deserted, black and lone; And sad Oblivion, hovering nigh, Looks down upon her own; And low thy hemlock castles lie As Pharach's halls of stone.

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BUTLER, PA.

Butler Steam Laundry

GEO. KETTERER, JR., Manager.

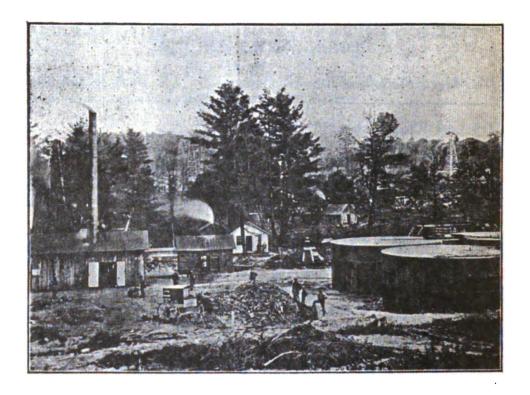
217% W. Cunningham Street, BUTLER, PA.

Peoples Phone 296.

Laundry called for and delivered to all parts of the city.







The above is a reduced reproduction of an artistic photograph taken by John A. Mather, thirty-eight years ago, of the first large pump station erected. It was located at the National Wells about 2½ miles from Pleasantville and belonged to the Titusville & Tidioute Pipe Line Co. The station was equipped with one 50 h. p. Woodbury & Booth boiler and one 30 h. p. portable boiler and two Niagara pumps 10x12. The oil was pumped to Titusville, Tidioute and Pithole. The men shown in the picture are: A. C. Beeson, district foreman; C. A. Hite and Pat Crowe, engineers; Alex James, gauger; Seymour Peck and E. A. Beeson, operators. The news boy is J. M. Place, who afterwards became celebrated as an oil region newspaper man, known to every one in the early days of the Clarion and Butler oil fields.

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Gas and Gasoline Engines

Pumping Jacks for Water Wells, for Gas Wells and Combination Pumping and Pulling Jack for Oil Wells.

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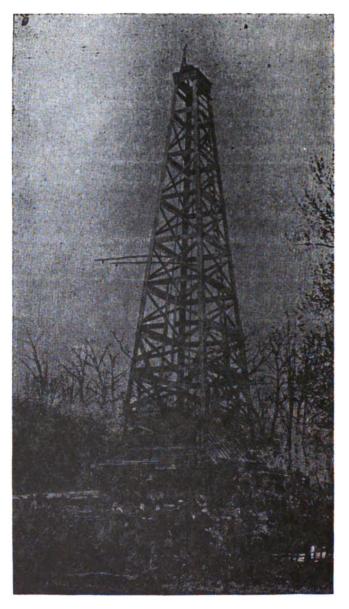
Rates \$1.50

Near Union Station

BUTLER, PA.



"SPOTTY" McBRIDE



THE FAMOUS ">POTTY" MCBRIDE WELL Struck May 9th, 1906. Made 2,000 barrels first day. Sold for \$200.000.

known to his hundreds of friends as visit with his mother to friends in Tit-

A unique personality in the oil coun- "Spotty" embarked in the oil business try is Isaiah L. McBride, familiarly very early in life. It was while on a "Spotty". Born in Butler in 1858, usville in 1865, that Col. Scott employed him and some other boys, that ed out a packer that had been in the "Spotty" was not adverse to turning within a few rods of it. the wolf from the door. Running : lemonade stand at the Fair or faking lemonade or as many potato peelers ever, is now on easy street and being in the prime of life can rest on his laurels. Success did not turn his head own words as follows:

ne saw playing on the streets, to dip well since 1896. While cleaning out B. S. out of tanks at his refinery. we bailed 150 barrels, and the well "Spotty" made two dollars the first finally made a flow over the top of the day but used up his visiting suit of derrick. I said to Jake Leidecker clothes in the operation. This nearly somebody will get a well not far from resulted in a "licking," but on flourish- this that will gauge by the hour. After ing his "shin plasters" his mother was this I commenced to look up the recappeased and let him off. After work-ords of the wells in the neighborhood. ing at the refinery for a few months, I found the Manny and the Schlegal "Spotty" became a newsboy and fol- farm each had about six feet of sand. lowed this occupation until 1872. Com- All the drilling up to this time had ing to Butler county again, he worked been done on the theory of connecting on a farm near Coylesville, remaining the McCalmont track and the Pillow two years as a farm boy. This was farm. I got a map and run a 22 1-2 too quiet a life for "Spotty;" so he got degree line from Renfrew, northeast into the oil business again and has fol- and southwest from Powder Mill Run lowed it up to the present time. Dur-lor Glade field. Both lines went over ing the dull spells in the oil fields, the place where I located the well or his hand to anything honest to keep thing I did was to figure out the theory that these pools of oil lay about I I-2 miles apart, and the sand cut on the streets, he could sell as much almost like you would saw it right off.

"In walking in from there one night as half a dozen men. "Spotty", how lafter looking the field over, I stopped in at the Lyndora Hotel, owned at that time by P. F. McCool. After buying some tobies I sat down and Mr. he did not aspire to emulate Coal Oi McCool came to me and said he would Johnny; he eschewed liquor and has like to get into the oil business. I said continued in the even tenor of his way I'I have no money to put up along side ever since. He owns a beautiful home of yours,' He said, 'Well. I want to on College Hill and has a fine farm take a flyer, anyway.' I then said if a few miles out of the city. The story you mean what you say I can take you of how he "struck ile" is told in his in almost a stone's throw of this hotel where I can make you some money. "Aaron Leidecker owned a well on Parting that night it was agreed to the Roe farm and engaged me to clean look the situation over the next day. it out: the rig was in a delapidated con After viewing the field and expressdition and being repaired I began ing my idea as to how the pool of oil work. We finally got started and fish lay, McCool said 'We will drill this

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THOROUGHLY UP-TO-DATE

PHONES 134 PFOPLES

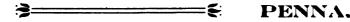
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Opposite Pennsylvania Depot.

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A. F. ROCKENSTEIN, Proprietor

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well ourselves.' I said, 'No, one-quar-1drilling just as long as I can get \$50 ter will cost \$600. You are acquaint- and a calico dress for you; it doesn't ed with the steel people and I know make any difference to me as long as the oil people, you sell a 1-4 for \$1,-250 and I will do the same.' This was going to have something or there is a agreed upon. We then sold threeeighths to Harry B. Redding for \$1,-800. He said, 'Go ahead with the work and I will be ready to settle.' In the meantime his wife took sick and he started for South Carolina. was the last we saw of Mr. Redding. Mr. Finegan and John Galloway were the next men to figure with me. The latter wanted a controlling interest, at which we demurred. Mr. Finegan thought the well was located too far east. After considerable dickering the company was formed with Hinchberger 1-8, P. F. McCool, 1-4: M. Finegan, 3-8, and myself, When the well was completed Mr. Mc-Cool had an investment of \$360 and I didn't have a cent. Previous to this we tried to get Antonio Lutz, the brewer, identified with us. He had about 100 bbls. production. McCool and I had 6,000 acres under lease in Mercer county and the 215 where the McBride well was located. Our scheme was to have Lutz put up his production, create an oil company It filled the tank in less than an hour of \$100,000 and declare 4 per cent. and a half. At three o'clock the next dividend on the stock. weeks with this project. When I was at six o'clock the National Transit Co. about to start the drill my wife said was receiving oil in its lines after a to me, 'I am getting tired of this hard night's work, having to haul the drilling of wells; you have drilled nine pipe a distance of five miles. We lost dry holes since we were married and about 1,500 bbls. When the oil was everything we have is pretty well worn running to waste some of the owners out.' I replied, 'Mary, I have had a were bemoaning its loss, but I said. number of steady jobs in my life and 'Thank God, it's the first time I ever we have usually wound up the year had anything to lose and I am glad with just the same amount of money to lose some.' During the day hunwe began on. I am going to keep on dreds of sightseers visited the gusher

I have a pair of overalls to wear. I am place up there on the hill, House) that the plumbing cost \$23. 000; they have plenty of bath rooms, hot and cold water all over haven't any and when we go they will say there is an old couple that did the best they could.'

"When the well was ready to be drilled in, the old gang was all there. I had provided a 250-bbl. tank against much opposition, and one of the boys remarked after sizing up affairs, 'Why, McBride, you certainly have nerve to put up a 250-bbl. tank in Butler county and make preparations to handle a gusher.' I turned Waldron, P. F. McCool and and remarked, 'these chaps will all be shaking hands and extending congratulations before night. I have had the laugh before, but this time I will have the last laugh myself.'

"The drill struck the pay streak on the afternoon of May 9. 1905, and commenced spouting at a terrific rate. We lost five morning we had another tank up, and

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Renfrew and Brownsdale, Pa.

We sell Groceries, Fresh and Salt Meats and Fish, Flour and Feed, Hay and Grain, Dry Goods, Shoes and Clothing, making a specialty of men's made-to-order Suits. Our sales are increasing yearly. There's a reason. You will find us right on goods, prices and treatment.

We appreciate very much the business given us by our many customers in the past and shall try hard to be worthy of as much and more for the future.

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Lumber and Hardware of All Kinds

Sewer Pipe, Building Block, Field Drain Tile and anything you may want in the building line to complete a house, including the cooking utensils.

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Waldron LYNDORA : PENNA J. BROWN NIXON, PROPRIETOR

Lyndora—Home of the Standard Steel Car Co., largest manufacturers of steel cars in the world. Every commercial traveler who makes Butler, Pa., should call on the merchants of Lyndora. One mile from Butler, steam or trolley cars.

and I was kept busy shaking hands well and leases to the Southern Oil and receiving congratulations."

NOTE:—After the well had pro-proved freakish in its actions. duced about 25,000 or 30,000 barrels majority of wells drilled near it were Mr. McBride and his partners sold the total failures.

Co. for \$200,000. The well did not hold to its original gait very long and

The United States Well



UNITED STATES WELL

uary 8th, 1865, originated dream of romance. and metoric career, it exceeded that of fires hastened the final disaster. struck flowing at a rate of 1,200 bar- mer greatness.

rels per day. These wells, compared with McDonald and Thorn Creek wells of later years appear quite insignificant, but they incited the comtry to fever heat. Capitalists rushed in, money flowed as freely as oil itself, and for three months, anything like a correct description of things seem like a gross exaggeration. postoffice required seven clerks transact a volume of business that ranked third in the state. Philadelphia and Pittsburg alone surpassing it.

The Halmden farm on which the United States well was located had been bought by Prather & Duncan who laid it out in lots. These lots commanded fabulous prices, one of them The United States well struck Jan-Iselling for \$15,000. At the height Pithole. of the fever the Holmden with the U. The history of this place seems like a S. well was sold for \$1,300,000 and In rapidity of resold for \$1,600,000. But the wells growth and excitement during its short declined rapidly and two destructive any other town in America. From a buildings that escaped the conflagrasingle farm house, in May, 1865, it tion were torn down and removed to suddenly expanded until September of more favored towns and with the close the same year, a period of only five of the same year 1865, the glory and months, it had a population of 15,000. life of Pithole had forever departed. A It had its hotels, churches, clubs and visit today to the scene of the once other public buildings on a grand proud city reveals only a rugged, lone-In June the Grant well was ly spot with nothing to indicate its for-

W. S. WICK

BUTLER, PENNA.

KOUGH and WORKED

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Sash, Doors, Blinds, Etc. Oil Well Rigs a Specialty.

Lath, Shingles, Ruberoid Roofing.

One Square From Depot Steam Heat Throughout

Special Attention Paid to Traveling Men

Bell Telephone No. 16 Fine Sample Room

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Pennsylvania

The Peoples National Bank

OF ZELIENOPLE, PA.

Capital,

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NEAR DEPOT

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PENNA. EVANS CITY, ::

Pianos, Organs

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Agent for White Sewing Machines.

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Please remember that I hold a diploma from the best school of piano tuning in the world, and that I guarantee perfect finished work at the lowest charge consistent with the best workmanship.

Recollections of Geo. R. Agate

Secretary and Treasurer of the Cleveland Plain Dealer.

contribution to your souvenir book for which hunters had just brought in. the Pipe Line employes' annual picnic, I can say but little, as mine was but a small part in oil country affairs. However, the years spent in the Pennsylvania oil regions were the most interesting of my life, and reminiscences of the good old times bring back prec-The best I can do is ious memories. to relate some boyhood experiences.

I went to Prof. Bailey's school in Pithole. His brother was postmaster. When the big fire destroyed the postoffice and a great part of the business portion of Pithole. I searched in the ashes for coins and relics. With school-mates I dipped oil from the creek, for which we received \$4.00 a barrel. Once the gravity pipe line from Pithole to Oleopolis sprung a leak and by digging holes we collected This was fine "digging" and the oil. a bonanza for us.

We explored the back country, and in the small streams caught good strings of brook trout with common hooks and such bait as we could find always keeping a sharp lookout for rattlesnakes, which were then rathe plentiful.

I saw the Pithole Opera House and large hotel buildings dismantled and the material taken to Pleasantville to be used in building up that town From Pleasantville I rode with a farmer on his bob sled to New York state and came back on a load of hay, the snow being so deep we had difficulty in getting through and at a back

Complying with your request for al woods tavern we saw several deer.

From Pleasantville we moved Ohio and then back to Butler county in 1876, where I had a pumping job with a rather irresponsible party who gave me just money enough to keep alive on by "shantying." When I quit he paid me with a "shirt tail" note. which I afterwards collected of him in the Bradford district. We had great times in the shanty, which a moonlighter used as his headquarters frequently had nitroglycerine stored there.

Foss Pew was my brother-in-law and had charge of the U. P. Station at Criswell. One winter he got me a job on the gang which took up a line from Bear Creek to East Brady and this was the hardest work I ever did for the United Pipe Lines Co. An engagement I once had on a well in the woods at Armstrong Run was sudlenly terminated. We were cleaning out, and at night left the tubing and tools standing in the derrick. turning in the morning we found but a heap of burned machinery and twisted tubing. The rig had been struck by lightning and no one witnessed the

An annual visit to relatives in the oil country is my greatest pleasure, but somewhat tinged with sadness as I drive to old haunts and find nothing but barren fields where once thriving towns teeming with life and Yours very truly, activity.

GEO. R. AGATE.

KESSELMAN & CO.

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Patent Hydraulic Feed Drill

Replaces Temper Screw.

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Repair Steam Engines, Pumps and All Kinds of Machinery.

WORKS AT

Butler, Pa., and Parkersburg, W. Va.

The Oil Fields of Butler County

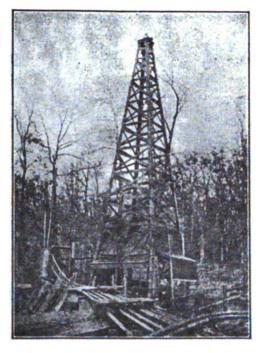
Compiled by C. R. Wattson.



Butler county stands out prominent [dispelled. After drilling on the banks ly in oil history as a wonderful oil pro ducing field. It is without a peer in the matter of its rich third and fourth sand pools that have been developed within its borders. Its obituary as an oil producing center has been written time after time, but the active, tireless Butler operator has always been equal on the map, so that after 40 years it is still producing sufficient amber oil from its subterranean vaults to keep it a factor in the business.

Creek and the Allegheny river. ran parallel with the streams. Parker in the latter 60s this idea was ker &

of Bear Creek, the operators gradually pushed inland. One of the first wells drilled in Butler county was owned by J. Η. Heiner Co., on the Stevenson farm, near the Stone House, in Parker township, just over the line from Armstrong county. The well was completed in the fall of to the demand to keep the old county 1868. Pipe line facilities at this time were very limited and slow in advancing to the front. The oil from this well and several others that in mean time had been completed, was hauled In the early days of the oil business on wagons and dumped into tanks lothe first wells were drilled along Oil cated where Donly station now stands. The at a cost of 75 cents per barrel. prevailing belief then was the oil belts pipe line then pumped it to the river. At where it was loaded on barges. Thompson and John Haines



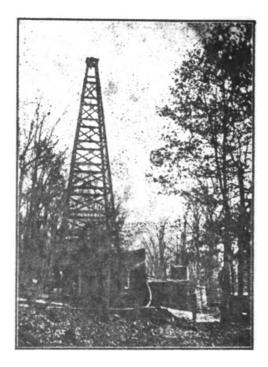
ARMSTRONG NO. 8 WELL, THORN CREEK

terwards became known as the Empire had great longevity and productive Pipe Line. The charge of 25 cents qualities. per barrel was made for piping the oil a dstance of two and a half miles.

Oil Co., composed of Richard Jen-lively about Fairview. The drill was nings, Col. W. D. Slack, J. Mc. also started in several parts of the Creighton and other Bradys Bend county simultaneously, Thorn Creek, Iron company officials, struck a big West Sunbury, along the zigzag Conwell at the head of Armstrong Run. noquenessing and in the vicinity of The oil was a peculiar light amber Millerstown, but the greatest results color, unlike anything that heretofore were found in the vicinty of Fairview. had been found and brought to the All these other points, however, had surface in any of the developed fields, their innings in after years. The horizon from which the oil was Petrolia and Karns City within a radobtained was subsequently known and ius of three miles sprang up as if by identified as the fourth sand. sand has proved Butler's long suit, country was transformed into a bustand to it are due the many exciting ling, busy center with all the convenscenes incident to the opening of rich liences and the appliances of old estaboil pools and the many millions of bar-lished towns. Petrolia bloomed into rels brought to the surface. Wells a town of 5,000 souls, with a postoffice

were the owners of the line which af-producing from this formation have

In the summer of 1872 the oil tide swept over into Butler county in earn-In April, 1870, the Armstrong Run est, and things became exceedingly This magic and this former quiet pastoral



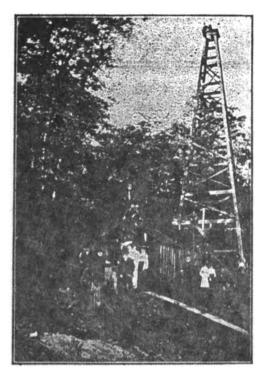
PHILLIPS NO. 1. THORN CREEK

transacting a business equal in extent were soon established. to towns of twice its population. Ar- however, was short lived. gyle had a brief existence. former life gone forever.

on the Morrison farm. Concord town slip, was struck. It was a fine well rels per day all through the shut-down movement. months it was still making 150 bar rels. This well gave birth to Greece decessors. City. In the spring of 1873 it blossomed into a full fledged oil town. It causing a loss of \$200,000, in which soon had a population of 1,000 Brothels, gambling and drinking dens Today there is nothing to suggest that were numerous and did a thriving Modoc had ever had an existence. business. commodate the many guests that the cosmopolitan crowd drifted back sought it. A bank and a newspaper to Millerstown, Petrolia and Karns

Greece City. Petrolia well struck on the Troutman farm and Karns City are quiet villages to- took the oil crowd in that direction day with the glory and glamor of their and a new town, Modoc City, made its advent. A destructive fire early in In August, 1872, the Jameson well December of the same year ate up the greater part of Greece City and its sun went down, never to rise. Modoc. and maintained an output of 200 bar lits rival, became the active center of attraction. It was a typical oil town At the end of four with all the accompanying tough element and went like the rest of its pre-

> A fire swept the place March, 1874. nearly every house was destroyed. Three hotels could not ac With the destruction of these towns



BUGABOO WELL

City, and these places were consider rushing business. ably augmented in population.

road was opened up for passenger towns. excitement and rejoicing along line.

On April 1st, 1874, was visited by a terrible fire. lives were lost and nearly every busientailing a loss of \$200,000.

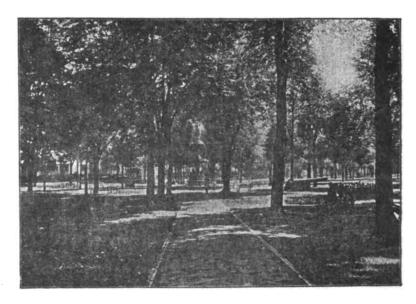
The year 1874 was a disastrous one duced 145,000 barrels. to the oil trade, and Butler county suffered with the others. dropped below the fifty-cent mark and Batemen, wife, son and four daughthe sheriff was kept busy issuing ex- ters, and N. Brown, a traveling salesecutions against the unfortunate pro- man of New York, perished. In three months 700 executions were issued and ten or a dozen boarder at the hotel and had a room deputies were required to transact the next to the Batemen family.

During this year the Cross belt, which was the only one On February 12th, 1874, the Par of its kind, was discovered, and Crisker & Karns City narrow gauge rail well City was added to the galaxy of The Boss well, owned by traffic and ran its first train amid great Satterfield & Taylor, came in at 2,000 The Lady Hunter, on the its barrels. Sidney Crawford farm a few hundred Millerstown feet away, followed with a 3,000 bar-Six rel output. This well was owned by Hunter & Cumings and had remarkness house in the place was burned able staying qualities; at the close of a period of 18 months the well had pro-

> On March 5th, 1877, the Batemen The market Hotel burned at Karns City, and F. E.

> > The compiler of this article was a

FRANKLIN



FRANKLIN PARK

Franklin, the Nursery of Great Men and the county seat of Venango county, situated somewhat like Rome, in the valley surrounded by seven hills, located at the confluence of the Allegheny river and French Creek, owes its present commercial prestige to the discovery of petroleum. Franklin is closely connected with history and historical recollections are numerous. Following closely upon the discovery of oil by Drake on Watson's Flats, the first well drilled in Franklin was sunk by James Evans. a blacksmith who made his own tools and used a water well for a conductor. hole penetrated seventy-five feet, striking a cavity which produced twenty-five barrels a day for several weeks. Thus begun local oil operations. Here is located the Eclipse works of the Atlantic Refining Company, covering acres of ground and employing hundreds of men and which is the only refinery in the world manufacturing every salable product of petroleum. Here is also located the Galena Oil Company, of which Ganaral Charles Miller is mediant the action mediant of the house which General Charles Miller is president, handling the entire product of the heavy oil pool. This company furnishes 95 per cent of the railroads of the United States with lubricating oils. It is truly said that "The unrivaled Galena works must be ranked among the noteworthy representative industries of Uncle Sam's splendid domain." Franklin is noted for its natural beauty, its commercial activity and general progressiveness. In the past few years many large and substantial business blocks have been erected; several manufacturing plants have located there and the hostelries are noted throughout the state. EDITOR OF SPECTATOR

WM. EICHHOLTZ

A. G. EICHHOLTZ

STOKEY HOUSE

ZELIENOPLE. PA.

WM. & A. G. EICHHOLTZ, Proprietors.

THE OLD RELIABLE STOKEY HOUSE.

Bell Phone 86. RATES \$1.50

Remodeled, Refurnished and Reopened for the Entertainment of the Public.

mere chance he was absent from his completion of a 1,000 barrel well on room on the night of the fire.

Butler county had had things pretty much its own way, oleaginously speaking, until the opening up of the Eullion field in the summer of 1877, which sent a great portion of its floating population in that direction. The latter part of the same year the Bradford field came into prominence and the exodous from Butler to the northern field became a panic. Wells that would be considered a fortune now were ruthlessly pulled up and the material shipped to the new eldorado.

From 1878 to 1882 the Butler oil fields were neglected. Bradford and the northern districts occupying the center of the stage. In the latter year Cherry Grove made its entrance and also its exit. This was the year when the oil country went mad over speculation; everybody was in the whirl. Butler, Millerstown and Petrolia each had its so-called exchange. When the mad flurry was finally over, many bank accounts were wiped out there was a sadder but wiser people This was the beginning of the end of oil speculation.

On March 18th, 1882, Simcox & Myers struck a well at Baldridge (Renfrew) in virgin territory which started off at 50 barrels. July of the same year Andy Shidemantle struck the "Bugaboo" well that started 800 barrels. (See view of well.) This well is now owned by R. M. Bowser and Gilbert Brown. having been purchased by them in 1890. The old well has cleared them \$15,-000 and is apparently good for many years to These come. wells marked the of renewal activities in the county. With

completion of a 1,000 barrel well on the Wallace farm, the excitement was on in earnest. The old town of Butler that had slept through all the exciting scenes enacted in other parts of the county, began to awaken from its 80 years of lethargy and to sit up and take notice.

"But then the spirit roused by honest shame Shook off that lethargy and soared to flame."

The oil people permeated its quiet precincts, the hotels began to take on life, money flowed like water and the boom was on to stay. It was not long ere the influence of the wide-awake oil man was felt; streets were paved and the mud era was over; sewerage established, fine school and church buildings erected, and the result is seen in the beautiful city of today.

The Thorn Creek field dates its importance as a factor in the problem of oil production with August 29th, 1888, when Phillips' well on the Williamson Bartley farm began its markable career. This marvelous well, which up to that time had had equal, made the unparalleled record of 108,000 barrels in 90 days. proved the forerunner of a series of gushers which assorbed the attention of the trade and kept the market in a perturbed state to the exclusion of everything else for a long time. greatest of these wells was the Armstrong No. 2, which made approximately 10,000 barrels the first 24 hours. Thorn Creek was succeeded by Glade Run; this field proved a rich find. It produced as high as 10,000 the barrels per day and the wells were



THE

LAMBERTON



NATIONAL BANK

Offers the Most Approved Methods Known to Modern Banking, Together With 47 Years of Successful Experience.

The Only Bank in Franklin

Issuing Coupon Certificates of Deposit Bearing 4 Per Cent Interest.

Use One of Our Checking Accounts

For Your Business Convenience.

We Pay 4 Per Cent Compounded Semi-Annually in Our Savings Department.

We Loan Money on Leasehold Mortgages.

OLDEST AND BEST

The Lamberton National Bank Franklin, PA.

Saxonburg came into existence today. great stayers. prominence the same year, the wells existence.

Jefferson Center was opened up in Forest Oil Co. 1889, but like Saxonburg, the field durable. while rich had a short life. Connoquenessing township the attraction. owned by the 100-Foot Oil Co., locat- was again neglected. ed on the Wm. Humphrey farm. over 200,000 barrels before giving up izon in Butler. made no response.

Three days later while being cleaned many thousands more. the first hour. field, and very few of the wells are in goes without saying.

Cooperstown was the next place to while big gushers for awhile yet soon attract attention, the lucky ones in this frothed and fumed themselves out of district were those who received a big price for their production from The field was not In 1891 Harmony In the Muddy Creek broke into the game; same year the 100-foot district in also Callery and Zelienople attractbecame ed considerable attention. It was in One of the largest this year that the McDonald field bewhite sand wells ever struck was gan its sensational career, and Butler In 1893 It Brownsdale, 1894 North Washington, made approximately 5,000 barrels the and 1895 the Adams pools were the This well produced leading features on the petroleum hor-Lack of space prethe ghost. The well in some respects vents the mentioning of the numerous resembled the Armstrong No. 2, by its little streaks and pools that have been queer antics. It was drilled through developed in the last few years. The the sand and did not show for a well. Speechley field has proved the most After being shot with 40 quarts it important; it has produced about three million barrels and is still good for Dr. W. R. out the well broke loose and com. Cowden, the indefatigible hustler, has menced to spout, making 300 barrels opened up a nice pool at Fenelton Fresh water, due to which is still under development. improperly plugging of abandoned That many more pools of greater or wells, caused the destruction of this less degree will be found in old Butler

Samuel S. Atwell, Esq.

Samuel S. Atwell, Esq., a rising young attorney of Butler, Pa., is the Republican nominee for District Attorney. In a field of five, at the recent primaries, Mr. Atwell carried off the honors with a substantial vote, and no doubt at the coming election, November 5th, 1907, will be triumphantly elected. Oil men are respectfully solicited to give him a vote.



"Be it ever so humble, there's no place like home"

Meither is any news so interesting as home oil news to local operator and oil men. The Venango Spectator is the only reliable local review, published weekly. It is now extending into adjacent fields. Other original and exceptional features: Condensed weekly general news for the busy man; complete quota of vicinity news; spicy and apt editorials; local market report; something always that will interest everybody—always new, never old, published successfully for 59 years. Rate \$1 per year. Published by

SPECTATOR PUBLISHING CO.

FRANKLIN, PENNA.

If you see it in The Spectator, it's so.

Oil, Farm and City Properties Bought, Sold and Leased

Fire, Accident and INSURANCE Written in the strong-Life: ::::: HISURANCE est and best companies FOR TERMS, PRICES AND RATES ADDRESS

ELLIOTT C. SMITH

Rooms 222-223 Trust Company Building FRANKLIN. PENNA.

I. H. BORLAND

__DEALER IN_____

Fine Vehicles, Sleighs, Sleds and the Best Makes of Oil Country Wagons. The Neatest, Speediest Piano-Box Buggy on the Market. Ask for Prices.

WAREROOM and OFFICE:

COR. Eighth and Liberty Streets

Franklin, Penna.

Lafayette Cafe

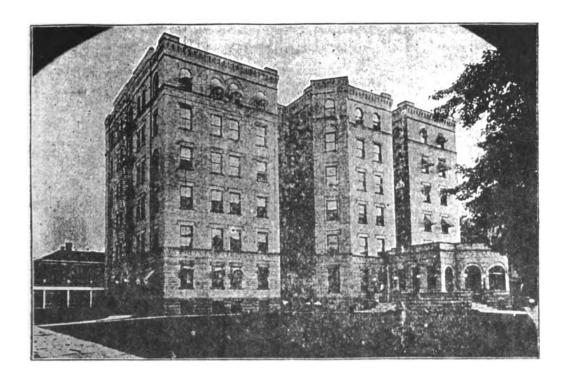
Seasonable Delicacies—Service Unsurpassed—Centrally Located.

OPEN DAY AND NIGHT

Both Phones

DANIEL KAYLER & SONS,

No. 1242 Liberty Street, Franklin, Pa.



This Hotel is Conducted on Just One Line---To Please You

We have arranged and contributed everything possible for your comfort and pleasure—even luxury.

Light, pleasant rooms, with tasty furnishings and 'phone service.

Table supplied from the very best-service faultless.

Prompt 'bus and baggage transfer.

THE PARK HOTEL

(FORMERLY THE ALSACE)

FRANKLIN, PA.

WM. H. MARSHALL, Manager, Franklin, Pa.

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PARIS STEAM LAUNDRY

FRANKLIN, PENNA.



F. O. BODAMER, Proprietor,

Shirts, Cuffs and Collars a Specialty-Family Washing.

In the laundry business the scientific method is the only way that perfectly cleans the garment and precludes the wear and tear. By adhering to the above, F. O.Bodamer, proprietor of the Paris Steam Laundry, Franklin, Pa., has justly earned the high reputation of being the foremost laundryman in this section of the state. For the past sixteen years Mr. Bodamer has made laundering a careful study, and a visit to his new cement-block plant on South Park street, which is thoroughly equipped with the most modern machinery for expedient and good work, will repay one well for the trouble. The building is sixty-five feet square, two stories high and con-structed on modern plans. Two 32-horse-power boilers and a separate hot water heater are installed. The hot water is forced into a 40-barrel tank on an upper floor and from there distributed to all parts of the building at a temperature of 200 degrees. The machinery is driven by a 35 h. p. Wright gas engine. From the main office, which is thoroughly up to date, you enter the marking room, 15x15 feet square. Here the goods are classified. For instance: Hotels, lodging house, private residence, bundle work and special one-day work are each kept separately. Next comes the washroom, with the maximum capacity of 23x33 feet. In this department are four of the best washers manufactured. On being washed the clothes are wrung out by scientific extractors, thence to the tumblers and automatically shaken out. From the washroom the work is taken to the mangle department, 40x40 feet, where clothes pass through a one-pass five-roll Hagen mangle, when they are packed in baskets ready for delivery. The starch work is conveyed to the starch room, where the goods are properly starched and hung up in the dark asbestos lined dry room, which prevents the fading of the most delicate tinted garments. From the clothes are then taken to the different dampening machines. the From These chines are entirely new features and fill a long-felt want in the laundry trade. By this process air and water are chemically combined so that a fine mist is sprayed on the clothes that pass through the machine, which gives a uniform dampness to the garment and entirely eliminates the wear or tear and expedites the ironing. They are now ready for the C. & C. ironing machines, which are kept at a uniform heat, being very essential to satisfactory work. In short, the capacity of the plant has been so much enlarged that Mr. Bodamer is ready and prepared to attend to all out-of-town orders, and respectfully solicits the same.

CONDENSED REPORT OF THE CONDITION OF THE

First Mational Bank

OF FRANKLIN, PA.

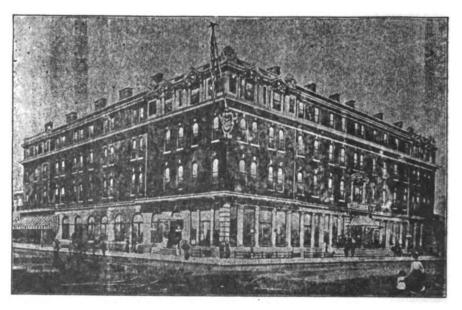
At the Close of Business, May 20, 1907

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RESOURCES.	OFFICERS.
Loans and Discounts\$477,440.77	CHARLES MILLER, President.
Overdrafts 63.52 U. S. and other Bonds and Securities 336,565.11 Banking House 25,000.00 Due from Banks and U. S. Treasurer 243,849.34 Cash on hand 42,058.01	F. W. OFFICER, Cashier. F. M. McDONALD, Ass't Cashier.
\$1,124,976.75	
### ##################################	GEORGE C. MILLER O. D. BLEAKLEY BRYAN H. OSBORNE WM. McC. WILSON
\$1,124,976.75	F. W. OFFICER

EXCHANGE HOTEL

FRANKLIN, PENNA.



The Exchange Hotel, an imposing and beautiful structure, located at the corner of Thirteenth and Liberty streets, is known from the Great Lakes to the Gulf, and men of National reputation have honored it with their presence, and during the early development of petroleum it was the headquarters for operators. ever a noted hostelry, at no period in its history has the hotel been placed on as high a plane of excellence as under the present proprietorship of T. F. Wasser, who has attained a wide reputation for his ability as a hotel man. Mr. Wasser was born on a farm near Greenville, Mercer county; pastoral life gave him a rugged constitution and the early training of his parents to do all things well in life's calling, has been closely adhered to by Mr. Wasser, who took his first step in the hotel business as clerk at the Fell House, Greenville, Pa., which later on he purchased. Under Mr. Wasser's management the hotel, now known as the Arlington, became one of the most favorably known of public houses in Western Pennsylvania. Two years ago Mr. Wasser took charge of the Exchange Hotel and began at once to perfect a system by which his guests were given every consideration. Being amply with suitable guests' rooms, parlor, reading, smoking and sample rooms, and one of the finest dining rooms in the country, all sanitary to a degree, Mr. Wasser has today one of the most modern, up-to-date hotels in the oil regions.

T. F. WASSER, PROPRIETOR.

Rates \$2.00 ana Up

McClure Hotel

F. LEACHBURGER, Proprietor.

FRANKLIN, PA.

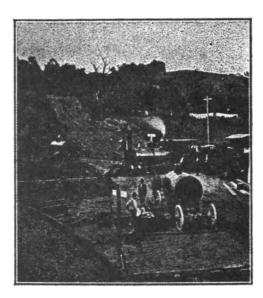
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Rates \$1.50 to \$2.00 Per Day

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No hotel in Franklin is conducted on better lines or methods than the Hotel Mc-Clure, corner of Elk and Thirteenth streets. The building is modern in architecture. handsomely furnished throughout with the most approved hotel furniture. The guest rooms are elegantly fitted, well lighted, while the attendants are prompt and courteous. Mr. Leachburger, the popular proprietor, was born in Germany in the year 1859. He accompanied his parents to the United States in 1884 and settled in Pittsburg. For two years he held the position of head roller for the Oliver & Roberts Rod and Wire Mill, when he was called to New Castle by the Hartman Manufacturing Company. For several years he was employed as boss roller in their rod mill until 1888, when he moved to New Castle to take charge of the American Wire & Nail Company's plant, which position he filled with credit until it was closed, when he embarked in the hotel business. His debut in the hotel line was in taking charge of the Commercial House, New Castle, Pa. Mr. Leachburger had now attained his calling. Geniality, combined with straightforward business principles soon placed the Commercial Hotel second to none in the Mahoning valley. With his proprietorship of the McClure Hotel an entirely new order of things was set in vogue. Although he has been proprietor of the McClure but a short time, he has made many warm friends among the traveling public.

Pipe Line and Railroad War



The first pipe line in 1865, from Pithole to the Oil Creek Railroad, a distance of four miles, was guarded by armed sentinels along its entire length, to prevent its destruction by teamsters who saw their occupation gone.

The line of the Columbia Conduit Co., from Millerstown to Pittsburg, was opposed for the same reason, by the West Penn Railroad Company. (Whose road it was obliged to cross.) The line was laid along the bed of a stream, crossing the railroad and was torn up by the railroad employes. It was re-laid by a large force of men; and again destroyed by the railroad company. To overcome the difficulty the oil was transferred across the track in tank wagons of 25-barrel capacity, which transferred 8,000 barrels per day. It took only two minutes to fill the tank from a pipe six inches in diameter, leading from a storage tank, and was emptied in the same manner, through a rubber hose underneath into a trough leading to another tank, from which it was pumped.



The United States Hotel

FRANKLIN, PENNA.

CHARLES W. GEARING, Prop.

SERVICE UNEXCELLED

One of the most historical land marks of Franklin is the United States Hotel, conducted by Charles W. Gearing. While a number of modern hotels have been recently built in the city, it can truthfully be said that the United States Hotel, built a century ago, stands pre-eminent. The popularity of this house is largely due to Mr. Gearing, whose excellent management has placed it among the leading hotels in Western Pennsylvania.

Charles W. Gearing followed the oleaginous trail for a number of years, taking his initiatory degree at Bradford in 1878. Prior to this he mastered boiler-making and tank building.

Like Ella Hanrahan in "The Driller's Dream:

"He breasted Bradford's frozen snow
On many a wild cat well,
And climbed the derrick oft at night
When the rain in torrents fell."

His first work was dressing tools on the Foster farm. When the Tarport gushers cut loose Charlie was there with his steel sledge making the "welkin ring." The Standard Oil Company, recognizing his ability as an iron tank builder, made him tank inspector of the Bradford district, in which capacity he served for three years. He was called to Oil City by the late M. Geary, who placed him in charge of a gang of men sent out to erect tanks in the different oil fields. Severing his business relations with Mr. Geary, he accepted a position with Cahen & Hammond, proprietors of the Lake Erie Boiler Works, at Buffalo, where he remained until transferred to the Eclipse Oil Refinery at Franklin, where he was employed at his trade for six years, when he resigned. His next venture was as proprietor of the United States Hotel. Charlie had now struck his gait. The old hostelry that had sheltered men of note in peace and war was thoroughly overhauled and refurnished. The kind attention shown patrons and the home atmosphere that prevades has made the hotel popular throughout the oil regions.



C. H. GREER

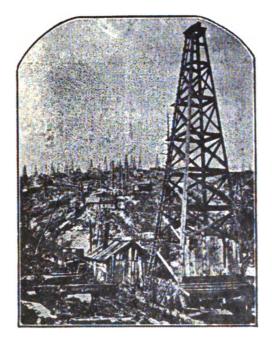
DEALER IN

Tin, Slate Roofing and Galvanized Spouting

FRANKLIN, PENNA.

As a representative dealer in tin, slate roofing and galvanized spouting Mr. C. H. Greer stands prominently to the front. Mr. Greer has from a small beginning built up a flourishing business and has made for himself a reputation of which he may be justly proud and which is envied by many of his contemporaries. This he has acquired by doing honest, square work and using nothing but the best of material. He is now reaping from the struggle of his embryonic days, and, as above stated, his small beginning has eventuated into a business of large proportions and today he has as fine and complete a plant in this line of business as you will find in many of the larger and more pretentious towns than Franklin. He is now prepared at any time and upon the shortest notice to accept any kind of a contract, no matter how big, to furnish all material and execute the contract with despatch. Serving his full apprenticeship at his trade, he graduated with high honors, and has always been recognized as one of the most expert, skilled and polished workmen in this line of trade to be found anywhere. He is thoroughly conversant with every phase of the business and is always abreast of the times, adopting anything new that may tend to better and perfect work in this line., Mr. Greer is deserving of much credit for what he has accomplished. He began his trade a beardless boy of 13 and with no capital but his energy, grit and perseverance and with honesty as his metto. owner of a fine, flourishing plant, located in the third ward of "the nursery of great men." Mr. Greer has executed some very large contracts, not only in Franklin and vicinity, but also in the adjoining counties. He always gives the best of satisfaction and guarantees his work. He is always ready to make estimates free of charge, whether he gets the contract or not. He has acquired a high reputation in the manufacture and erection of skylight cornices as he also has in steel ceiling. wanting anything in Mr. Greer's line of business will surely consult their own best interests by consulting with him before placing their order elsewhere.





East Side of Triumph Hill, Near Tidioute, Pa.

This view represents one of the busiest spots in the early days of oildom. In this view and on the west side of the same hill there were over 150 producing wells. These wells were drilled to an average depth of 800 feet, and through a very porous sand rock over 120 feet thick. This magnificent stratum of oil-bearing rock was but two miles long, less than one in width, and tho pierced at intervals of but few rods, it furnished each of its tappers on the average 25 barrels of oil daily for a period of a year.

Take a Trip to The

International Clothing Co.

1260 Liberty Street, Franklin, Penna.

For your next Suit, Rain Coat, Overcoat, Hat or anything you want in men's or boy's wear.

We are the sole agents for the famous Kuppenheimer Clothing and Imperial Hats. We also handle the D. Jones & Son's Fancy Shirts, also Faultless Shirts.

High quality, combined with low prices, has made our store popular in this section of the oil country.

DR. R. L. ARMSTRONG

DENTAL SURGEON

FRANKLIN, PA.

One of the best equipped offices in Pennsylvania, with the latest methods and appliances for painless dentistry. Extractions under gas, somnoform, ether and chloroform. One price to all. Lady attendant.

P. S.—We do not advertise, but this was given upon the solicitation of a friend.

The Exchange Bank of Franklin

Capital, \$100,000. Surplus, \$160,000.

Loans money on leasehold mortgages at six per cent interest, allowing monthly payments on debt.

C. HEYDRICK, President.
DAN'L GRIMM, Vice President.

- F. P. HEYDRICK, Cashier.
- E. K. MYERS, Assistant Cashier.

FURNITURE—CARPETS

We carry a complete line of Furniture and Carpets at prices ranging from the lowest to the best. A call at our store will convince you that our stock is complete. No trouble to show our goods whether you buy or not.

Homer Brumbaugh

74 Thirteenth Street

FRANKLIN, : PENNA.



The Optical Store of Franklin

We Make All Kinds of Eye Glasses and Spectacles. All Lenses Ground in the Store.

The Keplinger Store

THIRTEENTH STREET

FRANKLIN, PENNA.

Call For Monkey Run Beer!



It is pure, so the Doctor says.

The Oil Men's Favorite Beverage.

Private Families Supplied.

On Draught Everywhere

When you are thirsty and cannot wait, tell the lady at Central to call up

88

BOTH PHONES

Monkey Run Brewery, Franklin, Pa.

Butler Oil Men and Oil Men Everywhere



be Butler Times

It Gives the Oil News and Gives it Correctly—Up to Date Every Day—Always Leads, Never Trails.

Daily \$4.00 a Year

Twice a Week \$1.00

JOB ROOMS With a Capacity for All Kinds of Work. This Book is a Specimen of Our Book Room Products.

THE TIMES. Butler. Pa.

J. W. KERR & SON GRANITE AND MARBLE WORKS

Manufacturers and Dealers in

Monuments and Headstones

First-Class Work at Lowest Prices—Pneumatic Tools for Lettering and Carving.

Opposite Park Hotel, Franklin, Pa.

Cor. Main and Relief Sts., Oil City, Pa.

J. W. Kerr, the senior partner of the film of J. W. Kerr & Son, who have extensive work in both Franklin and Oil City, is the oldest monumental dealer in this section of the state. From a small beginning, by honest practice and fair dealing, this firm has built up an extensive trade. Some of the finest mausoleums and monuments erected in this vicinity are credited to their workmanship. Their business is not confined, but extends to a wide radius. Those wishing fine and substantial work will find it to their interest to correspond with the above firm, who will kindly give any information desired.

ON OLD VENANGO'S HILLS

While sitting all alone, Tom,
My heart with gladness thrills
With memories of the early days
On old Venango's hills.

Where Allegheny's waters flow
I see those derricks stand
With tanks of wood to catch the oil,
Bound with an iron band.

As with a mighty spurting rush,
And one continuous roar,
It came a gushing through the pipes.
A thousand feet of more.

Well do I remember, Tom,
And never can forget
How you and I worked o'er those hills
Through winter's storm and wet.

But when the summer's showers came, And decked the earth in green, In all their natural beauty Those sloping heights were seen.

While sitting in the boiler house Amid the grease and dirt, Enjoying life as best we could, There came a sudden jerk.

And loud above the rattle bang
We heard the timbers crash;
Full well I knew that awful sound;
A "V" had gone to smash.

The double lines would oft times break.

The Bull wheels come apart,

The rockers o'er would topple,

The power refuse to start.

And when the evening shadows fell Across our shanty door, We'd fill our pipes with natural lead And talk our troubles o'er.

Long years have passed since then, Tom:
We both are growing old;
No more the whistle calls us out
To breast the winter's cold.

No more the sputting of the pump Our ears with music fills; Time has changed the early scenes On old Venango's hills.

J. L. HUNTER.

City Hotel

OIL CITY, PA.

The Oldest Hotel in the City Remodeled and Refurnished

ゆかうううぐぐぐぐぐ

Table Service Unexcelled.
Rates Reasonable.

A. GILBERT, Proprietor, South Side, OIL CITY, PA.

Abraham Gilbert was born in Clarion county in 1838. His introduction into the hotel business occurred in '64 at Blair's Corners, Clarion county, Hotel Frederick's. Later on he accepted a position with William Gregory, proprietor of the Fox House, Foxburg. In making the circle he worked two years at the Phillips' House, East Parker. The Phillips' Hotel was destroyed by fire and today an oil derrick stands on the site of the bar-room. The oil field was at its zenith and Mr. Gilbert, with a view of bettering his condition, went to McKean county and worked on wells for Streeter and Roheder. His first and last venture as a producer was on Hogue Hill, Venango county. The lease comprised 200 acres; the well drilled started off at 15 barrels a day, which was encircled by seven dry holes. Following this they sold out to A. P. Dale, of Oil City. From an oil producer he decided to return to his first love, hotel keeping, and in 1885, with D. A. Fritz as a partner, he rented the City Hotel, Oil City, which finally led to his buying the property. Lately he has fitted this hostelry in the latest and most accommodating manner, supplied with the latest conveniences, and has ever been a rendezvous for oil men and farmers.

CONNOR & CO.

Corner of Thirteenth and Buffalo Streets

FRANKLIN, PA.

WHOLESALE DEALERS IN

FINE WHISKIES

Imported and Domestic Wines, Gins and Brandies. Sole Agents for Anheuser-Busch Brewing Association, the Pabst Brewing Co. and the Erie Brewing Co.

Phone and Mail Orders Given Prompt Attention. Both Phones.

The Phipps Pharmacy

Carries the Largest Stock of Drugs, Chemicals and Toilet Articles in the City, with a Guarantee of Purity.

PRESCRIPTIONS CAREFULLY COMPOUNDED

By a Registered Pharmacist. Mail and Phone Orders Promptly Filled.

Charles Phipps, Prop.

1266 Liberty Street

Both Phones.

FRANKLIN, PA.

Provident Life & Trust Company

PHILADELPHIA, PA.

The Mortality of The Provident Life and Trust Company for 1906 was in amount only 58.9 per cent. of that expected by the Combined Experience, or Actuaries' Table of Mortality. Since organization (1865) the mortality of the company has been only 61.1 per cent. of the expected. Such a percentage of gain in mortality was never before realized by an American company having so large a volume of business, covering so long a period. The very large savings arising from this source are available for dividends, thus reducing the net cost of insurance to policy-holders. With a continuance of the same careful methods which have produced this remarkably favorable result in the past it is expected that each succeeding report will show a death-rate far below the expected.

CHARLES R. GALBRATH GENERAL AGENT

FRANKLIN, PENNA.

Bell, 398-L.

Residence Phones:

Petroleum, 748-6.

AUGUSTUS PEASE

MANUFACTURER OF

Nitro-Glycerine for Shooting Oil and Gas Wells

Orders by Wire or Telephone Receive Prompt Attention.

MAIN OFFICE: FRANKLIN

Branch Offices: Clintonville and Hendersonville.

Carriages for Calls and Funerals.

First-Class Turnouts a Specialty.

Fred & N. B. Myers, Jr.

Successors to N. B. MYERS

Livery, Feed and Sales Stables

Courteous Treatment and the Best of Service.

Thirteenth Street, Opposite Lamberton National Bank FRANKLIN, PA.

Producers' Supply Co.

MANUFACTURERS OF

Iron Pumping Powers, Cast Iron Working Barrels, Iron
Sucker and Pull Rods, Pumping Outfits, Drilling
and Fishing Tools, Rig Irons,
Boilers and Air Tanks,

Dealers in Pipe, Casing, Cordage, Fittings, Etc.

We are prepared to furnish anything needed for an oil or gas well on short notice.

YOUR INQUIRIES SOLICITED

Producers' Supply Co.

FRANKLIN, PA.

Early Days of Pipe Lining

By Hon. A. W. Smiley.

Line, which was the first successfully mechanical engineer. He was a genoperated pipe line, was built from it in his line, and his death was a the summer of 1865, a distance of completed and the first oil successfully about six miles. The owners were pumped through to Miller Farm about Wood, Ohlen, Reed and Cogswell, of portion of the people believed it a vis-New York. VanSyckel was the rul-lionary scheme, that the projectors ing spirit, and to him belongs the were crazy, and that it would be a credit of carrying to completion and a iailure as had been a line previously successfully operated. He was in now Rouseville, to the Humboldt remany respects a remarkable man. was intimately acquainted with him of three miles, the line having been for a long time, both socially and in a abandoned as not being a practical confidential business way, handling many thousands of dollars of his money. His failure early in 1867 left his mechanical ingenuity, were firm in me quite a heavy loser, yet I desire to add a tribute to his memory, by stating he was an honest, kind-hearted man whose misfortunes were caused not so much from his own faults as by the faults of those from whom should have received better treatment. He died at Buffalo, N. Y., March 2d, 1894.

Reed & Cogswell furnished the pumps and machinery for the line. The pumps were the old style wheel pattern; against a pressure of two or three hundred pounds they would handle about thirty or forty barrels per hour through a two-inch line a distance of six miles. pumps would cut a small figure beside the giants now used by the National Transit Co.

The Pithole and Miller Farm Pipe has been dead many years, was the Miller farm on Oil Creek to Pithole in loss to the oil country. The line was Samuel VanSyckel, of Titusville, Pa.; the first of September, 1865. A large fair success the first oil pipe line ever laid from the mouth of Cherry Run, I finery, located at Plummer, a distance way of handling oil. But VanSyckel, with his perseverance, and Snow, with the belief that success would be the result and went ahead. I was young and ambitious, with enough self-conceit to join in carrying out the working part under direction of Snow. When the line was found to be a success the teamsters, seeing their occupation was going, tore up and destroyed the pipe in many places, and the company had to appeal to the sheriff of Venango county for protection. A guard of deputies was then placed along the line to prevent further depredations. All the officials of the company, including the writer, were threatened with transportation to a warmer clime. I still live, however, to enjoy the memories of those exciting times.

After the completion of the line I I was employed as time keeper for was made assistant superintendent the force of workmen engaged in and general agent, having charge of building the line. Wm. B. Snow, who the buying department at the Pithole end for Mr. VanSyckel, who dealt ex-I trunk lines of the National tensively in oil. My largest purchase Co. at Pithole was 100,000 barrels in one nected tanks at wells and transferred lot from the United States Petroleum the oil to different dump tanks of the Co., at five dollars per barrel. pipeage charges were one dollar per transfer was twenty-five cents per barbarrel from Pithole to Miller Farm, rel, and in some cases the transfer was six miles; this rate was gradually re- ess than a stone's throw. Cartage by duced when other lines were built and teams for the same service was fifty came into the business. This was done cents to one dollar per barrel. as soon as the Miller was found to be mode of transfer and cut of rates was a success and they were hurried completion in order to get a share of many were the threats against the Acthe Pithole trade. One was built from commodation line and its owners. Pithole to Henry's Bend, on the Alle- After the little line had lead the way gheny river, known as the Henry's and demonstrated that to connect dir-Bend Pipe Line Co. built from Titusville to known as the Sherman & Pickett line: it afterwards was merged into Empire Transportation Co. The lines from Miller Farm, Henry's Bend and Titusville were all two-inch common wrought iron Butt weld pipe, a very inferior quality to that used at the present time.

A six-inch cast iron lead jointed pipe was also laid to Oleopolis on the Allegheny River up Pithole Creek to Pithole. This line at first had no pumps, the oil running by gravity from the dump tanks at Pithole to Oleopolis, a distance of seven miles.

I claim the credit, if there be any. of being the first to suggest and put into operation the idea of connecting the pipes direct to tanks at wells. the early spring of 1866, in company with Mr. George E. Coutant, of New York, I built what was known as the Accommodation Pipe Line owned by press a book containing a detailed ac-Smiley & Coutant. This line extended over the Pithole field, and held the exciting period of the early days of same relative position to then through oildom. These Memories will be very lines as the United Pipe Lines and entertaining and every oil man should other gathering lines do today to the secure a copy.

The Accommodation line con-The through lines. Our pipeage for this to to teamsters their last straw. Another was ect to tanks at wells was the proper Pithole, thing, all through lines followed suit and not only was the teamsters' occupation gone, but also the business of the little local line. From this time the handling of oil by teams and barrels faded into history.

> I was half owner and manager of the Accommodation line during its existence; also assistant superintendent of the Pithole and Miller Farm ine. For some time I have been earnestly trying to locate, if living, any of the official or working force connected with the first pipe line. The result of my inquiries is that I am unable to find a single one living but myself. Therefore, with due modesty, I believe, I am in point of first data the oldest pipe line man now living, having started in the business July 1st. 1865.

> Note-Mr. Smiley has count of his recollections during the







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AN HISTORIC ANVIL

Used by Wm. A. Smith When Drilling the Drake Well



Dented and worn by long usage, this silent witness of the first well drilled for petroleum in Pennsylvania and upon whose hardened face was shaped the primitive tools that unlocked nature's vaults, enriching the world's coffers, is now the property of Charles H. Oliver, a resident of Butler, Pa.

The authenticity of the above is without a doubt. The following story is true in every particular: At the time of Col. E. L. Diake's appearance at Titusville, W. A. Smith, or "Uncle Billy," as he was more familiarly known, was running a black-smith shop at Salina, a small town on the Allegheny river near Pittsburg. On being informed of Mr. Smith's success as a salt well driller, Colonel Drake went to Salina and gave him the contract to drill the well. Loading his tools on a wagon, "Uncle Billy" started on his journey for Watson Flats, stopping over night at his brother's, W. L. Smith, who lived on a farm eight miles west of Butler, and who was also a blacksmith. Before resuming his journey he exchanged anvils with his brother, the horn being broken off his own.

After completing the well for Col. Drake he returned home, and six months later brought the anvil to his brother's. Several years ago Mr. Oliver, gauger for the National Transit Company, who was acquainted with the history of the anvil, tried to purchase it from the Smith family, but it was not until recently that it came into his possession.

The cut shows the anvil surrounded by bottles filled with samples of oil representing the petroleum fields of the world and said to be the largest collection of samples owned by any one private individual in the country.

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They enter into every life history. No one can hope for fair weather to the journey's end. No sun of prosperity shines perpetually. Cloudbursts of adversity come to al sconer or later. They come when least expected.

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CHICORA, PA.

Fagundas in 1872

Mannington, W. Va., June 8th, 1907.

It was in 1872 I left the employ of Brown Bros., at Pleasantville, for Fagundas as telegraph operator for the New York Pipe Line, the main, a two-inch line running from Gillespie to Garland. With a single acting Cameron pump the oil was forced through to the delivery point at a rate equivalent to about thirty minutes with modern equipment, as compared with twenty-four hours at that time; even at that it was thought we were going some. Inexperienced with life in the "oil regions," in fact, with not much experience of any kind, I had quite a battle with myself to become reconciled to the excitement and manner of living; but with me it was a hustle to try and better my condition, with resources one hundred and thirty pounds avoirdupois and fairly good health.

With crude oil four dollars per barrel and benzine at a nominal price, there were great times in trying to keep the wells clear, so it was said, but the greatest trial was on the part of the pipe line companies, and my recollection is there were three, if not more, different companies trying to impress on the minds of the producers that we

were in the business of transporting crude oil and not benzine.

John Fagundas was a factor in those days, and when he came into possession of his interest in the Fagundas farm, he said: "Why, I am going to buy a twenty-five dollar suit of clothes." He did buy peanuts and candy by the wholesale, and the children knew him well. The "old timers" will recall that John wanted to wrestle with every man he met on the street; there was only one street. The restant was a hummar every dent portion of the town was in the fields, and the one street was a hummer; everything was wide open. No lack of anything but water, which at one time sold for fifty cents per barrel with crude oil down to forty cents.

Still, as I remember them, they were good old days, happy days, happy days long gone by.

W. J. ALEXANDER.

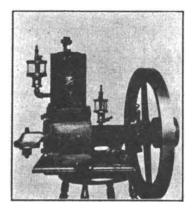
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"Big Injun Well"

Struck by Crawford, Mitchell, Lee & Co., on the Charles Henderson farm, Clinton township, Venango county, June 18th, 1877. Made 3,500 barrels the first twenty-four hours, and at the present time is pumping five barrels a day. Caused a slump in the oil market from which it has never revived; now owned by Gregory & Crawford, Emlenton, Pa.

The white-bearded pumper shown in the picture has been in charge of the well for the past 20 years.

Bullion in 1876 and 1877

By J. L. Hunter.

One and one-half miles from where Bullion run, a small stream flowing down through a narrow valley, blends with Scrubgrass creek, there was until recently a time-worn, oil-besmirched derrick that for a quarter of a century stood as a monument of Clinton township's enrollment in the oil fields of the state.

In the spring of 1876 a company, of which Thomas W. Phillips was the leading spirit, leased several hundred acres in Clinton township, it being Mr. Phillips' belief that beneath those rock-ribbed hills was a pool of petroleum waiting for the drill to pierce the thick walls that for thousands of years had been confined to its dark prison.

Prior to this time Jonathan Watson, the Crawford county oil king, had part of the territory under lease. Failing to discover oil in paying quantities he sent for a lady spiritualist who located a number of wells, but it seemed that the Petroleum Center oil smellers, who had crossed the divide, must have been on their vacation and some fellow of Ananias' make-up answered the 'phone, for the wells located by the medium were dusters of the pure type. Failing to receive the much-needed help from the unseen world Mr. Watson pronounced the territory dry and decamped for other fields.

When Thomas W. Phillips landed on Clinton soil and began the search for petroleum, the wise-acres said it was a waste of time and money, for had not Jonathan Watson proved that there was no balm in Gilead? But with a faith that could not be shaken he went boring for oil. Hole after hole was added to the duster column, costing thousands of dollars, and the Phillips company was financially embarassed, but with General Grant's bull-dog tenacity he kept pegging away on the 22-degree line with a determination to strike the fountain-head if it took all the summer.

When the clouds of adversity seemed about to encompass them, John Taylor and R. C. Cundle sub-leased from the company a part of the William Gailey farm on Bullion run and proceeded to test their holdings. Slowly down into Mother Earth sank the never-tiring drill, eating its way through rock and sand, and on the ninth of August. 1876, the oil-bearing strata was reached. Among those who crowded the derrick floor that autumn morning was T. W. Phillips, waiting for the end of a chapter that meant much to him. When the drill had penetrated the pebbly rock several feet with but a faint showing of oil, Mr. Phillips turned to R. C._Cundle, saying: "I guess it's a forlorn hope, Bob. You might as well take down the tools." However, Cundle loath to admit defeat, "It may be, but I'll hit it again for luck." As the unexpected oft-times happens, it was so in this case. A few more strokes of the drill, a low, rumbling noise, and up through the casing, impelled by volumes of gas, rushed a stream of oil, and the long-kept secret was out. Thomas W. Phillips had proved his belief to be well founded. The news of the strike spread like wildfire and from city, town and hamlet there came hundreds of men eager for a chance to whirl the wheel of fortune. Well after well was struck, ranging in calibre from 50 to 300 barrels until Gailey No. 10 cut loose at a 500 barrel gait, which greatly augmented the interest in the field, and the advance guard of the oil brigade was reinforced by thousands.

SUMMIT CITY

On a commanding eminence one mile south of Gailey No. 1 the late Shadrick Simcox, a Clinton township farmer and operator laid out a town. Although the history of Shamburg, Petroleum Center and Pithole was fresh in the minds of the people, there was a scramble for lots and buildings costing thousands of dollars were erected by business men who dreampt not that history would repeat itself, that the subterranean wealth would ever cease to flow. A bank, hotels, stores, drinking dens and gambling hells sprung up in a day as it were." Ben" Hogan was there also, with his gilded palace of sin, luring men and women on to eternal ruin, and Summit City, a second to Pithole, the wickedest city of modern times, swung its banner to the breeze.

Past Summit City, on and off the scent like hounds upon the trail, operators fought their way, now deluged by success, again covered by defeat. The G. W. Berringer farm was the next to fall into line and proved to be a rich find. The town of Berringer now opened its eyes upon the oil-greased hills, followed by Dean City. From the latter place to Summit City, one mile distant, a gravelled walk was built six feet wide, called the "Devil's Lane," or "The Road to Ruin," as a man would have a reserve force of self-will who could run the gauntlet of an hundred and one gambling dens, speakeasies, etc., that lined the path.

THE BIG INJUN WELL.

The high-water mark was reached when Crawford, Mitchell, Lee & Co. brought in the "Big Injun," on the Charles Henderson farm, which spouted 3,500 barrels the first twenty-four hours. To use the words of an old-timer who was on the ground at the time, "It was a holy terror," and the night following its initiation was the wildest in the history of the Bullion field. The people were frenzied by excitement; whiskey was carried around in buckets, all you could drink for ten cents—if you had not the "wherewith," drink anyway. The lockup, 12 by 22 feet, built of 2 by 4 scantling, was soon filled with drunken, cursing men and the morning sun revealed numbers handcuffed around trees and telegraph poles.

As a "spouter" territory the "Big Injun" was the beginning of the end. The gusher ceased to gush. New fields were being opened up and all that now marks the spot where once stood Summit City, the Gotham of Venango county, is the old lockup, with its iron-barred windows.

A wondrous change has taken place, The grass and daisies grow Where once the town of Summit stood Just thirty years ago.



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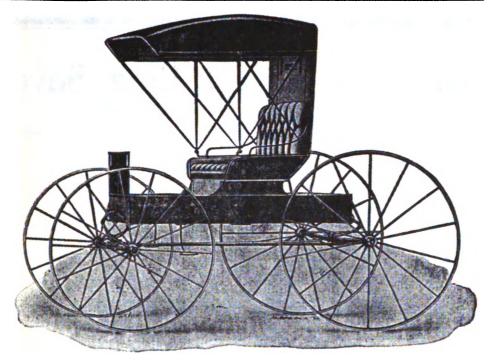
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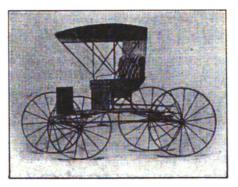
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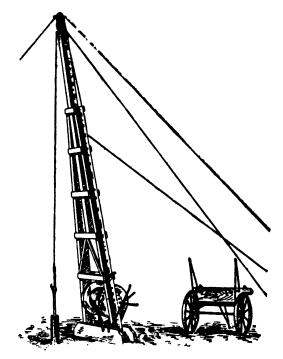
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Price of No. 1 machine, complete, \$168.50 f. o. b. factory. This machine guaranteed for territory up to 1,200 feet. Price of the No. 2 machine, complete, \$212.00 f. o. b. factory. This machine guaranteed for territory up to 3,000 feet.

The No. 1 machine weighs about 1,500 lbs, and No. 2 about 2,100 lbs. These prices are complete with all guy lines, 200 feet of drum line and combination sucker rod and tubing line,

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Bell Phone, No. 35.

Arthur B. Seaton, one of Pennsylvania's pioneer oil and lumber men, was born near Murrinsvirie, Butler county, in 1836. At the age of 14 he was employed by the Purviance Powder Mill Company, hauling powder to the Great Western furnace, and was an eye-witness to the first train of cars that steamed down the Ohio valley. specurative make-up and a determination to win, which were characteristic, at the age of 19 he struck out for himself, embarking in the manufacturing of barrel staves at Franklin, Pa., in which business he was engaged until his marriage to Miss Eliza Simcox, of Sandycreek township, Venango county, in 1860, when he removed to Titus-vine and accepted the contract of drilling nine wells on Pine Creek for Samuel Pol-lock, of Pittsburg. While sinking the first hole, business called him to the village of Titusville, three miles distant, one evening, where he noticed considerable excitement among the citizens. Upon inquiring of a bystander the cause he was accosted by a burly backwoodsman with, "Where have you been? Haven't you heard the news? The South has seceded and the d- rebels have fired upon Fort Sumpter." At the postoffice he found several letters from Mr. Pollock requesting him to report at Pittsburg at once, which he did, settled up the company's business and returned to Franklin. Upon his arrival he took the contract of drilling two wells for Plumer McCalmont and two for DeWoody & Lindsay, on French Creek. When completed Mr. Seaton concluded to go into the oil business on his own hook and purchased a two-acre block near the sight of the old graveyard, corner of Elk and Fifteenth streets, Before starting to drill he took in a partner, James Overton, of New York City. As but little oil was found, both gentlemen were averse to spending more money in the enterprise. After drilling two wells for a Baltimore company on Sugar Creek, he leased an island six miles below Franklin, comprising three acres, formed a company and drilled one well that started off at 15 barrels a day. As the island was being rapidly washed away, the company, fearin; it would be a matter of only a short time until it would have to be abandoned, sold out the lease to an Eastern man by the name of McCrea. He then, in company with the late Aaron Raymond, of Raymilton, leased ten acres from Shedrick Simcox on Bullion Run, but a short distance from where the Gailey No. 1 was struck, which opened up Bullion field, and drilled a dry hole. During the years of 1863-65, in company with Thaddeus Brigham, of Franklin, he was heavily engaged in shipping oil from Oil Creek to Pittsburg. On one occasion John Lee, brother of Senator Lee, of Pittsburg, who was operating wells three miles below Franklin, paid \$13 a barrel for crude oil, loaded in bulk on a barge and started for Pittsburg. It was a cold day in December, 1863, when he cut loose from the moorings. By the time they reached the mouth of Red Bank the river was running so full of slush-ice they were compelled to tie the barges to the abutments of a bridge. In the morning they found themselves stranded high and dry with no water within ten feet Leaving the pilot, Gabriel Smith, in charge of the barge, he walked to Kittanning, a distance of ten miles, took the cars to Pittsburg, purchased five hundred empty barrels which were shipped to Kittanning. Conveying them in wagons to the barge they were filled with oil, transported back to Kittanning and shipped to Pittsburg. the expenses were paid Mr. Seaton found that he had lost \$45 in the deal. In the days of 25-cent oil, when the Story farm was covered with 100-barrel tanks, rick Simcox and Mr. Seaton built a number of wooden boxes at Tidioute for the transportation of oil. When the queer-looking flotilla arrived at the Story farm it caused no end of merriment among the oil men. Six thousand barrels were loaded into these so-called egg shells, and with "Gabe" Smith and Eli Vanderlin as pilots, the trip was made to Pittsburg without the loss of a single gallon of oil. Since 1879 Mr. Seaton has been actively and successfully engaged in the lumber business, with headquarters at Zelienople.

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Exposition Park, Conneaut Lake, Pa., is the most attractive summering spot in the Keystone State. This was the verdict of over 250,000 people who visited there last season. The lake abounds in natura, and artificial advantages. It affords excellent boating and fishing, while Exposition Park, the most attractive spot on the water's edge, covers one hundred acres beautifully wooded and terraced, added to this the fine climate, makes it a most healthful place to spend a summer.

Acres of camping sites are also to be found at Exposition Park, and on the other side of the lake pretty spots surround the lake.

We give below a list of hotels and boarding houses to be found at Conneaut Lake.

HOTEL ACCOMMODATIONS AT EXPO-SITION PARK.

Postoffice Address, Exposition Park, Conneaut Lake, Pa.

HOTEL CONNEAUT—H. O. Holcomb proprietor; accommodations for 400; rate. per day \$2.50 to \$4.00; per week \$12.00 and up.

HOTEL VIRGINIA—H. O. Holcomb proprietor; accommodations for 200; rates per day \$2.00 to \$3.00; per week, \$10.00 to \$14.00.

LAKESIDE INN—James Reany, proprietor; accommodations for 100; rates, per day, \$2.00: per week, \$10.00 and up.

HOTEL BISMARK—Julius Furhmann proprietor; accommodations for 150; rates per day, \$2.00; per week, \$10.00 and up.

PARK HOTEL—G. W. Phelps, proprietor; accommodations for 75; rates, per day \$1.00; per week, \$7.00.

THE PURITAN—Ed. McGuire, proprietor; accommodations for 40; rates, per day. \$1.50; per week, \$9.00.

THE COLONIAL—Fred Jackson, proprietor; accommodations for 20; rates, per day, \$1.50.

VICTORIA COTTAGE—Miss M. L. Lawrence, proprietress; accommodations for 50; rates, per day, \$1.50; per week, \$9.00.

GERMAN HOTEL—John Bangart, proprieter; accommodations for 100; rates, per day, \$1.50; per week, \$9.00 and up.

THE ALDINE—Fred Foust, proprietor; accommodations for 150; rates, per day, \$1.50; per week, \$10.00.

GARDEN HOUSE—Levi Westfall, proprietor; accommodations for 20; rates, per day, \$1.50; per week, \$8.50.

GROVE COTTAGE—M. J. Graff, proprietor; accommodations for 20; rates, per day, \$1.50; per week, \$8.50.

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The Sharon, Greenman & Keiser, pro-

prietors.

The Log Cabin, Ralph Jackson, proprietor.

Long's Cafe, John B. Long, proprietor. German Restaurant, John W. Long, proprietor.

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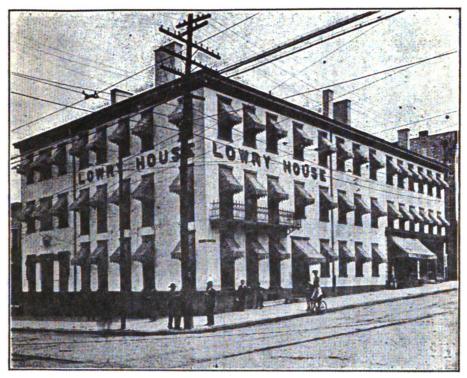
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CONNEAUT LAKE, PA.

William B. Hunter

Bullion, Penna.

sketch, was born in Armstrong county, Pa., his parents moving to Clarion county when he was quite young. His early training in the public schools was rounded out by a full course at the Reed Institute, Clarion County, where he was graduated with hon-



WILLIAM B. HUNTER.

His ors. first step oildom with the Blyson Oil Company. operating on Blyson Run. He was next employed by J. T. Reamer, operating at the mouth of Deer Creek. In those days the high stool and nallet were yet in vogue and the reamer was used to round the hole. Drifting to Parker when the boom was on, he took part in the development; likewise at Elk City, Edenburg, Turkey City, arriving at Summit City in 1879, when the field was covered with the rack and ruin of the venturesome wildcatters. Mr. thousands were struggling here for riches, producers of the Keystone State.

William B. Hunter, the subject of this | hoping against hope. In his determination to get his share of the twelve baskets of fragments. Mr. Hunter accepted a pumping job from T. W. Thompson, of Butler, at the same time keeping his eyes on the scrappile. His next move on the checker-board was to purchase the Bullock & Hawkins well on the Charles Henderson farm from A. J. Woods. He soon added to his holdings two wells on the McCalmont farm, then No. 7 on the Kennerdell farm was added, all of which he put in good repair and sold at a nice margin, giving him a start. In 1890 he, in company with others, purchased the George Gailey farm, which tract was divided among the company.

Upon gaining possession of the Gailey tract he immediately went to work fixing up the old wells that through neglect had so fallen off in production that they were considered almost worthless. His efforts in this direction met with success. Deciding to remain in the Bullion district, he commenced to build for himself a home. Here, on almost a level plateau overlooking the once chaotic Bullion field the nature lover finds a constant tendency to note more and more the beauty of the environments. It is like an oasis in the desert. Around his elegant home are beautiful groves of pine and spreading oaks through which wind gravel walks that adorn the large and well-kept lawns. Looking northward through a rift in the hills that rise one above another like billowy waves, are seen the rugged bulwarks of the Allegheny river, in all a picture of more than passing interest. In the proximity are the oil wells that are continually adding wealth to the owner. The interior of his home also tells the story of culture and refinement. In addition to his holdings in the Gailey farm, which, pays a handsome yearly dividend. Hunter Mr. Hunter has valuable holdings in other says the field resembled his idea of Gold- oil and gas fields of the state, and is rated smith's deserted village; but a year before today among the prominent and successful en e

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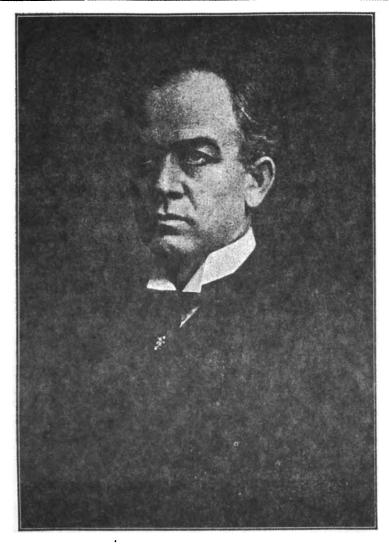
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Frederick L. Kahle, Esq., of 202 Bakewell building, Pittsburg, Pa., was born in Jefferson county in 1862, the son of Frederick P. and Isabella Kahle. In 1868 the family moved to Tarentum, Allegheny county, and in 1869 to Venango County, where the subject of this sketch was educated. After receiving a liberal education in the High Schools, Normal Schools and Seminary of his local county, he taught school at President, Shamburg and other boroughs. He was elected principal of the High Schools of Sugar Grove, Warren county, in 1882, which position he held until 1885, when he entered the law office of Hon. J. H. Osmer, at Franklin, Pa., and was admitted to the Bar in 1886. In 1888 he was elected on the Republican ticket to the office of District Attorney of Venango County and from 1900 to 1905 was city solicitor of the city of Franklin, Pa. When the bankrupt law was passed in Congress in 1898, Judge Joseph Buffington appointed Mr. Kahle referee in bankruptcy, which position he filled until he moved to Pittsburg in 1904. In December, 1895, he was admitted to the several courts of Allegheny county, and in the same year to the Supreme Court of Pennsylvania. Mr. Kahle is now a member of the Bar of the Supreme Court of the United States, and enjoys an extensive and lucrative practice and is well known over the entire state. Mr. Kahle owns one of the largest and most complete law libraries in the entire state, and, with his wife and two children, live in their own beautiful home, of which East End is so noted, at No. 5513 Margaret street, Pittsburg. Time has indeed dealt with a kind and generous hand to the subject of this sketch, but it is only the result of a life of continuous labor, for Mr. Kahle is an untiring worker,

Wm. R. Cowden, M. D.



Wm. R. Cowden, M. D.

The accompanying cut is an excellent likeness of Dr. W. R. Cowden, one of the younger set of oil men. He was born in Portersville, Butler county, Pa., January 21st, 1868. His father was a prominent physician of the county and was one of the first to engage in the oil business in that field. He drilled the famous "Big Medicine" well, located near Troutman, 34 years ago. This, well started off at 2,500 barrels per day and is still producing oil at a profitable rate. It is not surprising, therefore, that the subject of this sketch should naturally turn to medicine and the production of oil.

Having been graduated from the medical department of the University of Kentucky in 1894, he hung his shingle to the breeze in Zelienople, afterwards removing to Renfrew, where he first embarked in handsome profit to the fortunate owners. the oil business. years ago, he, with his brother, Jno. V. Cowden, M. D., opened offices and began look like wheat in the barn. the practice of their profession. The fascination of the oil business, however, was dence on North Main street and is respecttoo great to keep the senior member very ed by all who know him.

close to his office and in consequence the duties of looking after the sick and disabled devolved upon the younger brother, while the senior member of the firm scanned the oil horizon for favorable leases. Success came to the brothers when they on February 15th of this year opened up the Fenelton pool, in Clearfield township, Butler county, Pa., by bringing in a 250barrel well on the Jacob Fennell farm. It proved the largest well struck in county since the famous "Spotty" McBride caused such a furore of excitement two years ago. Since then the brothers have drilled three other wells in that field that may be classed as gushers. This pool is only seven miles distant from the well drilled by the father so many years ago.



Cowden No. 1 Well,

These Fenelton wells have yielded a Coming to Butler five They are also interested in a number of other leases in that part of the county that

Dr. Cowden lives in a handsome resi-

Samuel A. Beam

banks of the Connequenessing is the old that formerly stood where the bar-room of historic town of Harmony, Pa. It was laid the present commodious hotel building out by the Harmonyites 105 years ago.

one of the most popular and leading hostelries in Butler County.



SAMUEL A. BEAM

Beam, is the genial proprietor. No man to L. W. Young, Jr., who is connected with in the county has a wider acquaintance or the Prairie Oil and Gas Co., residing at a larger circle of friends than he. Born Bartlesville, Indian Territory.

Located in a beautifuly valley on the in Harmony April 1st, 1847, in a building now stands, Mr. Beam has lived continu-Here is to be found the Beam House, ously in his native town ever since. Early in his business career he was engaged in the coal trade and later was associated with Al Wise in the livery business. About 25 years ago Mr. Beam embarked in the hotel business. Sam had now struck his vocation in life, which has been amply attested to by long and continued success.

> The kind attention shown patrons and the home-like atmosphere, well appointed rooms and excellent home cooking, has ever made the old hostelry a pleasant place to stop, which it has maintained to this day. During the Harmony oil excitement Mr. Beam took a flyer or two in the oil business, but has not followed it to any degree, being rather content to manage his hotel and see that the oil fraternity was well cared for. Mr. Beam has also been quite successful in his real estate deals.

> Fond of out-door life, Mr. Beam usually spends his vacations during the hunting scason in the wilds of West Virginia or elsewhere; thus rejuvenating a strong constitution that will last him for many years to come.

Mr. Beam was married some thirty years ago to Miss Sarah Miller, the result of the union being two sons, Charlie and The subject of this sketch, Samuel A. Howard at home, and Josephine, married

Notes From the Diary of an Old Pipe Line Man

W. H. H. Fithian

C. R. WATTSON, Esq., Secretary:

MY DEAR SIR:—Having been requested to contribute to the souvenir book gotten up by the Oil Men's Association on the occasion of their annual reunion and outing I submit the following:

I emigrated from Washington, D. C., to Titusville, arriving there June 1st, 1871. The town was then an active and progressive one, for the oil producer was getting good wells, and the price of oil was rang-ing from 4 to 5 dollars per barrel.

Old heads still remaining on earth must remember some of the amusing happenings, one of which was the joke played upon one Bachus, a German who kept a restaurant on Spring street, near the corner of Washington. They probably remember about the clams; the pies that his good wife baked, and the joke the boys played on him by substituting small cobble stones for clams. They had the cobbles sent to the "Cafe," and then began piling in ordering clams. Well one can imagine what followed when the gentle Bachus began to open what he thought were clams. The air was full of people breaking for the door. Bachus soon saw the joke and assured the boys it was all right, for he never lost anything financially through their funny doings.

The Commercial Club was in existence, and the old American Hotel was running at that time, conducted by Samuel R. Stratton, successor to Major Mills. The hotel had a good patronage. The sitting room was provided with an old fashioned fire place which attracted the attention and comfort of the old timers as well as the

Tom Goodwin kept a restaurant on Spring street, near Franklin, which was patronized by the leading men of the town and outside operators. The Mansion Hotel, corner Main and Franklin, conducted by Zed Martin, also maintained a good patronage. The Oil Exchange then located on idea of the amount of the purse, raised it condition and brokers and speculators were doing a land office business.

I entered the employ of the Titusville Pipe Line Co., (owned by the Empire Transportation Co., of Philadelphia, of which Mr. John Potts was president, and Chas. P. Hatch was the general manager) on May 1st, 1872.

The Empire Transportation Co., hav-

were transferred to that concern. A. E. Pearce was the cashier; Josh Norris, agent for Brundred of the Green Line; McDonald, an old timer and formerly a member of the old Swordsmen's Club, of Pithole; J. G. Crane, Ed. Ogilby, the last Pithole; J. G. Crane, Ed. Ogiloy, the last two coming to the office shortly after its establishment; Col. Brady and your humble servant. Brady soon resigned to take charge of Phillips Bros.' producing business. A. W. Smiley was superintendent, and Ira Allen assistant. The name was and Ira Allen assistant. then changed to the Union Pipe Line Co. Most of the business was done at Foxburg. The morning train from Parkers Landing brought crowds of operators, brokers and speculators, among the number was O. J. Greer, who represented Fisher Bros.; Payne & Nicholson, representing Egbert & Brown; R. D. Conn, some New York firm; Warren Gray, also from New York; Larry Tack, for the Tack Bros. (Frank, Theodore and Gus) and several others whose names I cannot now recall. Samuel Graig (still living at Parkers Landing) was a hustler Joseph Seep in the brokerage business. had an office next door to the pipe line office, also Joseph and John Bushnell.

Foxburg at this time contained a most genial lot of oil people and many pleasing events were pulled off. The young men organized a boat club, the navy consisting of all kinds of craft, from a common flat bottom scow to an eight-oared barge. The barge was 42 feet long and was bought from the Undine Club of Erie; it was shipped by rail from Erie to Franklin, and five members of us went to Franklin and brought it down to Foxburg. One evening after a row on the river, the writer was challenged by David Steele (a prominent operator, and brother of John A. Steele, afterwards of the firm of Gukert & Steele) to row a race for \$2.00 a side. I accepted and we immediately went into training. The Oil City "Derrick" got wind of the affair, and either as a joke or a mistaken Washington street, was in a flourishing to \$200; anyway which ever it was it tended to make the occasion more interesting.

On the day of the race there must have been assembled at Foxburg and vicinity something like 1,500 people; they seemed to come from every and any where; St. Petersburg was represented by M. L. Lockwood, Harvey DeRousse and S. E. Wilson; the latter was early in the oil business and superintended the laying of the first pipe ing bought out the Mutual Pipe Line Co., line across the Allegheny river for Dunc of Foxburg, owned by Martin & Harmes, Karns in 1869; Parkers Landing sent its line across the Allegheny river for Dunc the office force with most of the field men quota, as did Oil City, Franklin and other

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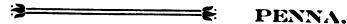
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the race was meant merely for a day's fun lifficult ship to manage. The day of the for the people of Foxburg. Neither of us knew any more about rowing a boat than one who has never seen the water; however, we braced up and made up our minds to do the best we could.

On the appointed day, Mr. Steele having borrowed a light tin ducking boat from Ed Grant, and I a Clinker built, from W. H. Nicholson, now of Erie, we prepared for the contest. The course lay from the abutments of the unfinished bridge to about the signal to start, and both men were imone and a half miles down the river near the old Ark well, where a buoy was anchored with a flag attached, as the turning point and back to the bridge. our appearance on time, clad in our light act as a ballast. He took advantage of it, underciothes, and after being properly struggled to the flag in about two strokes rubbed down we donned our colors; of his oars, thus winning the race. The Steele's being a red handkerchief; mine a course was about a hundred yards long blue one. We got off in good shape, being and neither of them went a quarter of the started with a signal from Smiley by a distance. The race was decided in favor, pistol shot. Down the river we were pret- of course, of Prentice. ty evenly matched, but after rounding the U accepted a position in the winter of buoy the Clinker forged ahead and Steele '74 with the Grant Pipe Line Co., T. Mcsung out, "Don't beat me too badly," so I Connell, Jr., principal owner and superinlet up. I remember that M. L. Lockwood lendent, and remained with that company was so interested that he hired a white until the winter of '77, when the Grant horse from the livery stable and rode down Pipe Line with a number of other small on the Foxburg side to see how the old concerns were combined with the United thing looked at the turning point. The race Pipe Lines. I was transferred from was ended by the Clinker coming in under Parker to Bullion, where quite a field was the wire about a boat's length ahead, and opened up, and assumed the agency for the you can bet your boots there was some- company, succeeding Seymour Peck. Bulthing doing at Foxburg that night. I im-lion did not last long, but it was a boisteragine three-fourths of the people thought ous place while it did last. Zack Bruner it was a genuine, up-to-date boat race. was the superintendent, and the principal Well, it didn't matter, as everybody seemed operators were Phillips Bros., McCalmont to enjoy it and were consequently happy. I was no better rower than Steele, but had the advantage of the boat.

on account of so many accidents occurring on the A. V. R. R. Hardly a day passed but that somebody was not either killed or injured. Jim Bonner was one of the passenger conductors and he got so disgusted with the responsibility thrown upon him that he resigned his position. The Derrick in one of its issues about that time called the road "The Valley of the Shadow of Death." In the fall of 1873 the producers butting up against an over production and the transportation facilities being congested, a general shut-down was ordered by the Producers' Association, which resulted after a while in better prices. In the spring of '74 the writer was transferred to Co. Although, as remarked before, the the Parker office, that being the principal field soon played out, business was on the point of business in the down river district, rush and the firm of Kerr, Geider & Co. did Those now living and who were doing its share. Some of the wells there, I unbusiness then must remember another boat lerstand, are still producing. race participated in by L. H. Smith and F.

Prentice. I think the stake was 50 or 100

barrels of oil. The race was to be rowed in working boats used generally for prace.

After the collaspe of Bullion I returned to Parker and shortly afterward was transferred to the Bradford office of the National Transit Co., and in 1882 became a member

places along the river; and to think of ice by some club of Pittsburg, from whom poor Dave and I facing this crowd, when hey were purchased, and they were a very race all business was suspended. Smith and Prentice came in from Petrolia, alighted from the train and headed by a brass band marched down the street as far as Fin Frisbee's place with a following of a nundred and fifty to two hundred people. The race was a funny and jolly affair. The boats were held in position until the contestants got firmly seated; then Jimmie Lowe, who was managing the affair, gave mediately dumped into the river. wo or three attempts to remain in the boats Prentice was given a tip that a We made couple of inches of water in the boat would

Oil Co., Geo. H. Nesbitt, McKinney Bros., as no better rower than Steele, but had Geo. Conwall and W. T. Baum, of Franklin, advantage of the boat.

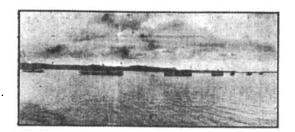
Those days must be remembered, too, his being a big-hearted, kind, congenial soul, whom everybody liked.

Mr. Baum was always a firm believer in the extension of the Bullion field to the west, and from what I can learn, his faith has been recently confirmed. Members of some of the leading firms used to assemble there to adjust their business affairs at the end of the month. There was nothing doing when they got through! Oh, no! Common little white chips were not in it; they were red and blue.

Some of the men who used to come to Bullion, as I remember, were David Kirk, Gus Tack, Al Dilworth, Isaac "Farmer" Dean, all members of the McCalmont Oil

of the Bradford oil exchange. It would not be particularly interesting to go into the ins and outs of the Bradford field, and later on McDonald, etc. I merely started vay, who has not joined the Celestial in to give some away-back incidents as I remember them of the days passed and gone. I think the majority of the oil men I knew in those days are dead. Joseph coming reunion and outing may be even Seep is still breathing the pure air of more successful than the preceding ones.

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PENNSYLVANIA EMLENTON,

By Way of Dreamland

Oil and Natural Gas Developments Due to Shadowy Dreams

In that half-way house of the brain, where the mind halts 'twixt sleep and curred at Waterville, Ohio. waking, have been born phantasies that dreamed that beneath his farm was a solid have left their imprint on the histories of seam of gold. He was visited in his sleep nations. In all ages significance has been by sprites, who told him to drill a well, attached to, by some, to those illusions of and he would get gold in great quantities. the half-resting brain called dreams, and Being of a practical turn of mind he conthe development of oil and natural gas is cluded that it must mean oil or natural marked with instances where this faith gas. He told the dream to his neighbors has led to important results. In the early and each contributed a share of land to days along Oil Creek the dream book was have the matter tested. They then tried to to be found in every boarding house, and raise money to drill the well, but only sucthe price of "interests" was largely gov- ceeded in getting \$500. erned by the readings therein. Not that | ered the lease of the land and the \$500 as the hard-headed, practical men who built a bonus to induce some one to drill a well. up the oil industry were believers dreams as a class, for they were not. But superstitious adventurers swarmed in the region then who invested their money according to the interpretation of their dreams.

An instance of the location of a well on account of a dream is found in the history of the famous and erratic Coquette well, on the Hyde and Egbert farm, and perhaps its success added not a little to the faith which was placed in dreams at that time. In that instance a young man, jilted by a girl in a small town in Eastern New York, resolved to go to the oil regions. He dreamed the night after his refusal by the young lady that he stood in a wild mountainous spot alone. An Indian, hideous in war paint, sprang from a thicket and rushed toward him with up-lifted tomahawk. He resigned himself to his fate, when the coquette who had jilted him appeared with a rifle, which she handed him and disappeared. He covered the Indian and fired. When the smoke cleared away the Indian was gone, but at the spot where he had stood there was a gushing oil spring. The young man went to the oil country and while walking on the Hyde and Egbert farm with his brother one day the cost of the well and he said he would he saw a spot just like the one of his sell for the amount. dream, and on that spot the Coquette gusher was drilled, a well that proved as coquettish in its production as the young lady was in her affections.

The Pleasantville field had its origin deposit.

A number of years ago an instance oc-They finally ofin A guileless appearing contractor closed with the offer, drilled a well, and sold out for \$10,000 to the Vandergrifts. The well proved a mere flash in the pan and never paid out. The dreamer knew there was money in it for someone, but he evidently thought the contractor got the lion's share.

A story is told of a Dutchman who drilled a well in the Oil Creek valley in the early days. He did not believe much in dreams, but he studied the dream book. When his well was down near where the sand should have been found, he became depressed in spirits and lost his customary cheerful optimistic manner. He feared he would get a dry hole, he said, and wanted to sell out, but none wanted to buy. morning he related a dream which he said he had had the night before. went out his landlord and landlady looked up the dream book. He had dreamed the best dream in the book. But he was still looking gloomy when he sat down to dinner. The landlord inquired about his prospects, and he said he feared they were bad. Then the landlord asked how much he would take for the well. He figured up Chuckling at the prospect of buying so good a dream at such a bargain, the landlord counted out the money. After two days' drilling the well was measured up and it appeared that it must have been considerably below sand in a dream of Dr. James, in which he said level before the transfer was made, and the spirits told him where to find the rich that the Dutchman had not dreamed in vain.

Dom Pedro d'Alcantara

An Incident---By C. C. Cochrane

when Parker was the hub of oildom, and cars. the picturesque Allegheny Valley from Oil City to Bradys Bend was a hive of industry, pened to be at Foxburg on that day, and on with its shricking pulleys, its bull wheels, | receipt of the message started, in company and the resounding anvils, beaten by the with fifty others, ladies as well as gentlebrawny tool-dresser, and often aided by men, for the "certain well," located about his no less brawny mate, the driller, made half a mile below Foxburg along the railthe night as well as the day hideous with road track, where I pre-empted a reserved their din of conflicting noises.

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made of natural gas, except to light up at | gather a head of oil and when the imperial night the surrounding country with a party hove in sight was started to pumping lurid glare, which made the oil derricks and was doing its nicest, throwing the rich look like gigantic ghosts of some past age. amber fluid into the tank in a two-inch This part of this beautiful valley was at stream in the presence of the great Emthat time the cynosure of all eyes. The oil business was a budding industry that attracted attention of the entire world and Dom Pedro at that time will remember him brought visitors from every point of the as a very large, imposing and France; from Germany; from Japan and He was dressed in some kind of uniform, far-off China added to their itinerary a trip with a fatigue cap, which he doffed galover the Allegheny Valley railroad from lantly in the presence of ladies. Immedi-Titusville to Pittsburg, through the heart ately on descending from the train he was of the Pennsylvania oil regions, where, to taken familiarly by the arm by Mr. Jesse use the language of a foreigner, there were Smith and conducted to the top of the tank, oil springs from which pure oil flowed like where he looked down into the foaming

zil, was making a tour of the United States remark. I could not help wondering what and of course his program included a trip were the thought of each of the strangely to the oil regions. Mr. Thos. M. King was assorted pair, superintendent of the Allegheny Valley rail-great Emperor arm in arm with the unasroad at that time and had charge of the suming Pennsylvania oil producer—an in-"special" which carried the Emperor and cident that could not have occurred at that his suite.

The firm of Jesse Smith & Son had the United States. some pumping wells near Foxburg, and Superintendent King wired the senior the train, from the platform of which as member of the firm that an arrangement the train moved away, with a wave of his had been made by which they would stop | cap, Dom Pedro bade adieu to the asat a certain well of his, which was produc-sembled crowd, as well as to the Pennsyling at that time about 20 barrels per day vania oil region, never to return again. of fine "Amber" oil, to show the Emperor the process of producing oil from the Pedro abdicated his throne and went into ground. This was before the Seaboard exile, while his empire joined the grand Pipe Lines existed and all the oil was galaxy of Republics.

It happened away back in the 70's, I ransported from the region by rail in tank

I was then inspector of oil and hapseat on a large oak stump to see the show. At that early day but little use was The well was immediately shut down to

Those who had the good fortune to see Travelers from England; from looking man, with flowing white beard. fluid silently for some moments and then Dom Pedro, the then Emperor of Bra- as silently turned away without a word of "Bons time in any other country on earth except

The imperial party quickly boarded

Soon after his return to Brazil Dom

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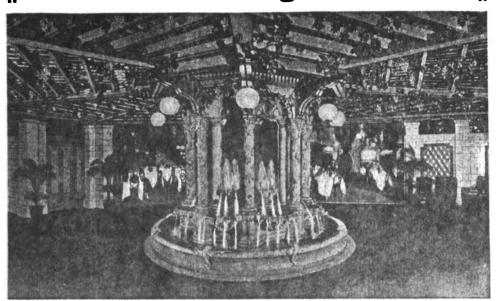
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THE CAFE FULTON, located in the Fulton Building, Sixth Street and Duquesne Way, and occupying the entire lower floor, is the most perfectly appointed restaurant in Pittsburg, under the direct management of Paul N. DcCrette, formerly of the Hotel Schenley, thus assuring that the same standard of excellence will be ound throughout for which he has been formerly distinguished.

The attractive features of the Cafe Fulton are the superb Ladies' Dining Room, opening from the Pompeilan Garden, with its ornamental Roman stone fountain of exquisite design, presenting a dazzling decorative effect. Every detail is in perfect accord with its neighbor; the lights, the carpets, the hangings, the art pieces the decorations all in glorious confusion, yet one harmonious whole.

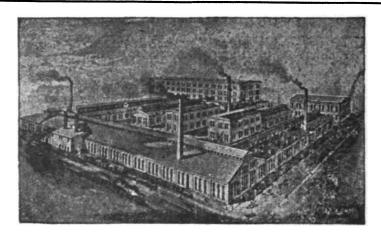
A handsome Retiring Room, entering from the foyer hall and Pompeian Garden, has been tastefully furnished for the convenience of ladies—maids in attendance, writing materials and all appurtenances dear to the feminine heart. Next the main Dining room is the Gentlemen's Cafe.

A notable feature of the Cafe Fulton is the Sea Food Department, where good oysters, faultlessly cooked and served, and where steamed oysters, terrapin, stewed snapper and broiled live lobsters are standard specialites which cannot be approached in their epicurean excellence. The wine vaults are stocked with the finest and most famous vintages, as well as choicest products of the leading foreign and domestic distillers.

To see the Cafe Fulton at its best, one should visit it during the rush after the theatre.

Special tables are prepared for parties and the capacity of the restaurant is taxed to its utmost. An orchestra provides music during the day and evening.

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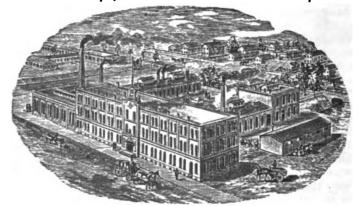


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School Days in the Olden Time

By L. P. Walker, Esq.

Jefferson street building lot stands a little denly on a hard wood chair or bench within one-story building, now occupied as a meet- a week or ten days afterwards. ing place by the school directors of Butler borough, in which Thomas Berry teaching school seventy years ago.

The average attendance at this school was about one hundred and twenty. look at this building now you will wonder how so many scholars ever managed to get inside.

room; each one, boy and girl, had their wooden peg to hang their cloak and hat

world.

A few years ago a reunion of the pupils of Thomas Berry's school was held, after the school had been closed 45 years; at this would come to where I was and punish me; reunion 58 scholars answered to the call of so he came and told me to take off my coat. their names; they came from every point I shed my coat and he took a good hickory of the compass and from almost every state rod and commencing at my heels he in the Union. They were all old men and dressed me up in pretty good shape to the old women; I, myself, being in my 75th year; born in Butler March 10th, 1833.

Mr. Berry taught this school thirteen hickory ram-rod used to shove bullets down the old-fashioned rifled guns in use then.

On the southeast corner of the East | tell where it was if we would sit down sud-

He often said it gave him great pain to whip a scholar; we differed with him then, for if he did not whip twenty-five boys in one day, it was a poor day for whipping. I think the pain was in our end of the rod or ruler.

The last whipping I got in school was There was partitioned off across the for missing three words in spelling. front part of the building on the East Jef- I was about fifteen years old at the time. ferson street side a room about . six feet He called all the boys up who had failed in wide, which was used as a cloak and hat spelling; all went up and took their medicine straight but one boy beside myself; the teacher told him that he was too old to be whipped, and he would not whip him any I began my educational course in this more. I turned around, sized him up, and building in 1839. Quite a number of our came to the conclusion I was about his size, best citizens had the same experience, and so after dressing them up in good shape who have since made their mark in the and all had gone to their seats, he asked me if I was not coming up to be punished. I said no; if he wished to punish me any worse than I wished to be punished, he shoulders and down several times to the heels.

I never flinched, shed a tear, or said a years, until 1851; he was an excellent word; then he went back to his seat and teacher; we that sometimes he used the sat down in his chair and told me that I hickory rod too much; this rod was about could take my seat. I told him I had a few four feet long, resembling the old-fashioned words to say before taking my seat, which he said I could say. I told him I would have to be excused, as well as my friend He also used a two-foot ruler, and if you and neighbor, from any more whippings for missed three words in the spelling class missing three words in the spelling class. you had to walk up to the teacher and get I told him I never would permit myself to three strokes on the open hand, one for be punished in school for such a flimsy each word you missed, and if the two first charge again, and if I did not obey the rules ones hurt very bad we would sometimes of the school, he could call a meeting of Jerk our hand to one side, and the ruler the directors and expel me from school, but would fly out of his hand and he would I never would suffer such an indignity in jump up and gather up the ruler and take this school again. He never whipped me us by the collar of our coat and give us again; he could not accomplish the task if three licks in a new place—don't like to I did not permit him to do so—perhaps he tell you where it was, but we could always hot so, too.

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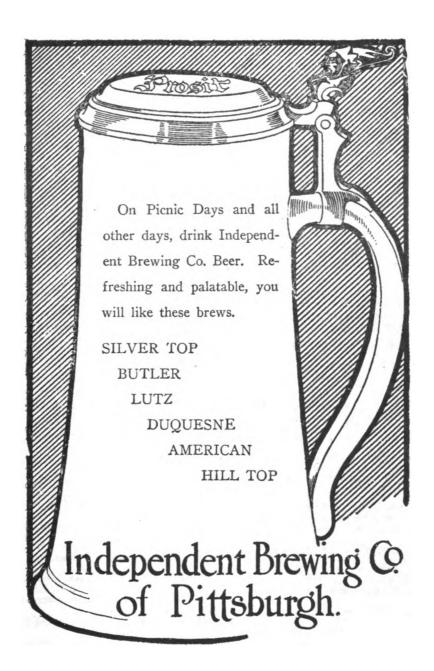
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The Oil Man's Way

By Chuck Henry

Written for the Oil Region Reminiscences

The guager sat on the old tank steps, And he swore, and swore with a will; Things hadn't been coming his way that

It was like trying to gravity oil up hill.

And as he sat there in the shade, He thought of the many things he tried to do

Since he came to the oil country In eighteen seventy-two.

It was first in a glycerine factory He found something to do; Stirring the batch, hauling stock, And putting in a shot or two.

Then he got a regular job of shooting, From Bradford to Olean, At ten dollars a day, which is good pay, And a percentage on every can.

Now shooting oil wells is a calling Chosen by a very few. One day the handle pulled off a loaded can, And that was a hunch to get something else to do.

So he wrote the manufacturer That his day had come and gone, And if he had another man, To send him right along.

He told him that he was done with shooting;
To count him down and out,
And to send another man
By the very shortest route.

For he had dropped his last go-devil; He had run his last line shot; He had tamped with sand his last jack squib And his last glycerine headache he had got.

So he bade farewell to the blow-up wagon, The factory and the magazine, And everything pertaining To nitro-glycerine.

Next he got a job at dressing tools
With an old-timer named Pat McCune;
At the end of the second well he learned to
drill,

He had learned it most too soon,

Now he hired out for a full-fledged driller; Knew the biz from A to Z; Could make more hole on a twelve-hour tour Than any driller you ever see.

His first attempt at drilling was in the hundred-foot.

Just back of Petersville,

Across the Connoquenessing,

And up on the Dambach hill.

He made good time to the black sand,
And to the clover seed good time he made,
that
But twenty-feet in the white sand, a mud
vein,

And the tools commenced to wade.

He raced her fast and he run her slow, With a hundred pound of steam; He shook her up and he shook her down, Enough to break the beam.

But that string of tools had waded; Had waded in to stay, And to the best of that new driller's knowledge They are there unto this day.

Of the new string of tools he bent the auger stem,
And then he broke the jars,
And then he lost a fishing tool
Just from the shop at Mars.

Then the toolie burned the boiler,
And he swore it was the last he'd ever try
to dig,

And then they froze the water line, And when they went to thaw it out, burned the rig.

When the contractor reached the lease next morning,

There was no smile upon his face;
He was not singing hymns; he was not
chanting psalms;
He was not saying grace.

What he said isn't fit for publication, And he said it with a vim; He soon convinced that unfortunate driller That he had no further use for him,

I have drilled midst the frozen hills of Bradford; I have drilled on the flats of Illinois; On the sunny plains of Kansas, In Oklahoma, among Indian boys.

I have dressed and drilled for the Mikado, On the Island of Japan; I have brought in many a good producer For the little brownie man.

I have drilled mid Alaska's snowy peaks, One hundred miles from Nome; When the crew of four swore they'd drill no more, For them it was Home, Sweet Home.

I have turned the temper screw in Russia; I have drilled on the Isle of Borneo; This the first one I ever contracted for, And I couldn't make it go. So, Mr. Newdriller, you had better mosey, Of course, I'm not feeling sore; But if you're not off the lease in twenty Took off every hair and bristle; minutes.

You'll get all that's coming to you, and just a little bit more.

Then he came to the pipe line superintendent

With his weary tale of woe; All his hard luck stories Of how he couldn't make it go.

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So they put him on at gauging In a district in Bullion, on Trailing Arbutus Run;

Here, he thought, is the end of my trouble, But it had really only begun.

One morning he was presented With a message rather rude-"Your three-inch gravity line has busted, And you have lost 200 barrels of crude.'

Now the pipe line people have made a rul-

And made it plain as day,
That if you lose oil and haven't walked your line, For that oil you'll have to pay.

So he waited for the superintendent; There was blood in his eye, he could see: It is back to the plow and the harrow; It is back to the farm for me.

Next morning he was halted by a woman Till he had them by the score. old and gray, Armed with a cane and palm-leaf fan, And she waved them at him flercely

As she demanded, "Be you the pipe line's hired man? Your darned old pipe line is busted;

It has spiled the best spring on the farm: I want \$500,00 damage And that won't pay all the harm.

The cattle drank the water; It made them hollow-eyed and lean; The milk and cream, 'tain't fit for table use, And the butter looks like vaseline.

The ducks and geese swam in the pond; Their feathers—such a sight you never seen-

Even the eggs the chickens laid Are tinted an oily green.

The hogs they wallowed in the mud-hole. Just below the break; Took off all there was to take.

Then that little cherry tree, Just below the spring; Last year we got two bushels cherries-It will never bear another thing.

Now, bring out the money, Mr. Pipe Line Of course, you'll say the price is most too much. But we need the money; We're the Pennsylvania Dutch.

You needn't send no right-of-way man, A different price to make; Five hundred dollars, that's the damage.

And that's the least we'll take. Of course, he'd come and set around and

figure, And say it's worth about so much a rod: We will settle; if we settle, We will settle by the job.

So he laid away the monkey wrench and gauge pole, The thermometer and thief went on the shelf:

He leased the Humphrey farm And went to drilling for himself.

His first well was a gusher; It did five hundred barrels or more, And he kept right on at drilling

I saw this same fellow one Sunday, Looking nobby, handsome and game, And he was driving an auto, And owned several of the same.

If I would name this individual To the old-timer, he would need no introduction; He lived in a fine house on easy street,

And had three hundred barrels production. He spent his money like an oil-king would, Without a thought for the morrow:

He found it out when it was too late; He found it out to his sorrow.

For some of the wells had watered out, And the others their production ceased; He has come back to run the amber and the amberine, And lives in a board shanty on the lease.

Samuel Walker, Esq.

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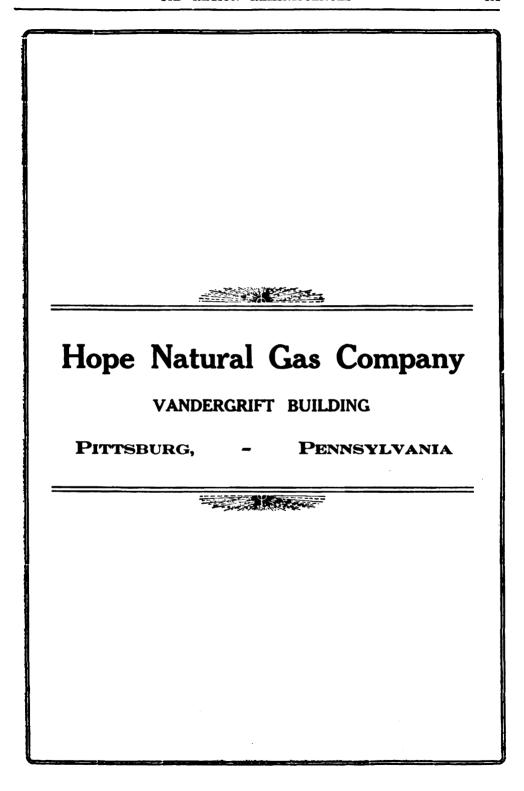
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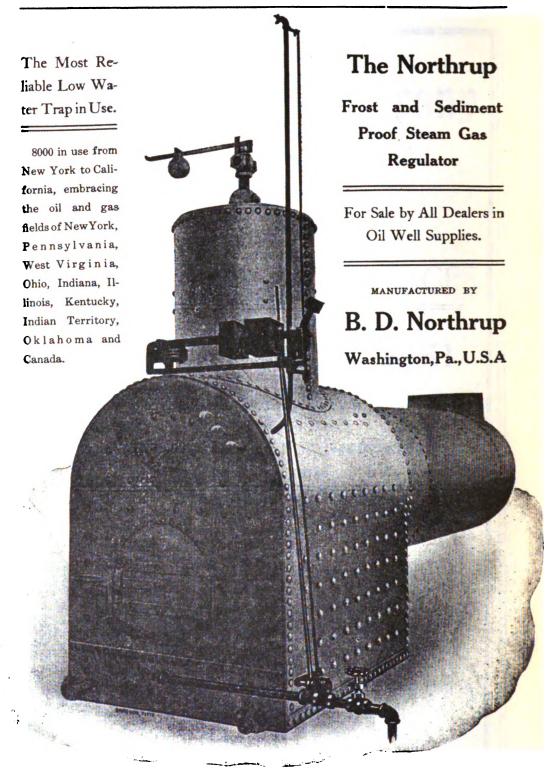
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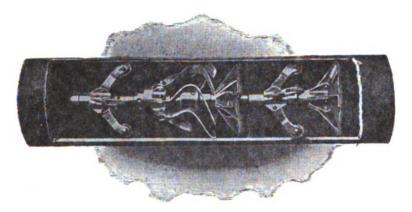
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That Hen Sneck sertenly is a wonder. He "Hen Sneck, Hinkels Korners: has been bizzy since last fall makin a nue pattent medisin witch he calls Sneck's Yuniversal Elixer and Kure for Ayl Diseases. horse reddish oil and a haf duzzen uther koffs, colds, roomatizm, heeves, grip, spavens, spazms and awl dizeases that flesh is air 2. Hen left three duzzen bottles of his elickser over to the Transit offiss at Oil Sitty and haz got a hull lot of strong testimonials that he is goen 2 have printed in book form and rap around the bottles. He sez he kin produse his medesin for about four and 2-thirds sents a bottel. I tell you he hez got things figgered down fine. Hear is sum of his testimoniels that I hev koppied awf:

"Oil Sitty, March 17.

"Hen Sneck, Hinkles Korners:

"Dear Sir-I wuz trubbled with the pip affel bad for nerly 17 yeres. It hurt me so much that at times I wuz unable to sit up in Kounsels and taik notiss. I tuck 23 bottles of your wunderful elickser and the pip skiddooed. I always kepe a bottel in the hez the itch now.

(Signed.)

"Tom Brown."

"Oil Sitty, March 9.

"Hen Sneck:

"Dear Sir-I hed the hives so bad that a swarm of beze got after me and I only eskaped by krawlen into a tank of oil. After taken 1 bottle of your great medesin I felt like a nue man and I hev bin treetin the nue man ever sintz.

"Yours truly,
"T. J. Richards."

"Hen Sneck, Hinkles Korners:

"Dear Sir—I wuz in offel bad shaip with snaik bite and ring bone. Kuddent see the "Hen Sneck: figgers strate on mie gage pole without sitten down. Tom Brown gave me a bottel of and mie fase was badly bunged up. I tuk your elickshur and I am now in gude shaip 3 bottuls of yure eleckser and you ot to see agin. I wish yu wood send me tue moar me now. bottels.

"J. Monighan."

"Hen Sneck:

"Dear Sir—I right to let yu noe watt your magniffisent meddisine haz dun fur me. I hed a bad case of gapes. It bothered me su mutch I cuddent slepe in the daytime. I tuck about 2 pounds of waist, satturated it with yure elickshure, and tied it around mie neck. It kured me extemperaneously. Wishing you sucsess, "Yours truly,

"Frank Williams.

"P. S.—What will you talk fur a quarter hev derived grate benefits from it. interest in the biznes?"

"Dear Sir—Have bin trubbled with spine in the back for several yeres. One bottul of your wonderful medisun made me forgit He ses it is a combinashen of hard sider, I ever had any back. I am now kompletely kured. Please send me a dozzen bottuls. things that is a sekret. It is guaranteed to I want to take same along tu the pipe line kure hedake, stummick trubble, ringbone, piknik an give em to the boys down thair. I know yue will have a big sail in Butler. "W. S. Ferguson.

"Hen Sneck:

"Dear Sir-Billie Fergueson haz bin tellin me about a nue chicken kolery kure he haz invented, but yure elickser nedes to be desired. I bote a bottul in Franklin last Spring and hev got it yet. Its a gude thing to kepe on hand. I thot it wud be useful in kase of kolleywobbels, but non of us hez had it sintz I brot your medisin in the house. It sertenly is grate stuff.

"Geo. L. Best."

'Hen Sneck:

"I am pleezed to furnish you with mie rekomendation fer your grate medicine. Mie dog hed the fleez and after taken tue bottles he wuz kompletely kured, but he

"J. W. Donovan."

"Hen Sneck:

"The automobele habit is very waren on the nerves, and the only thing that we've ever found that gives releaf is yure powerful remedy. Do you put it up in gallun jugs?

"W. V. Miller
"J. E. Robinson
"F. G. Boyer

"H. R. Sheldon

"A. B. Steen

"J. B. Crawford "F. D. Williams

"F. O. Wright."

"I got in a little mix up with a gas engine

"W. H. Case."

"Hen Sneck:

"I fell off a 250 barul tank resently and wuz very mutch surprized. I hed a bottul of yure elicksure in my pocket. It wuz nearly emptie, so I didn't lose mutch. It is grate on falls.

"H. B. Miller."

"Hen Sneck:

"I wud like to get the agensy for yure Billie Lemelixer for Warren county. mun sez he noes menny pipe line boys that

"J. M. Mills."

"Hen Sneck:

"Pleze send me six duzzen bottuls of yure pattent elickser immediately if not sooner. Sum of the Clarion boys are threttened with spontanus kumbustun and we nede a big supply.

"M. J. Newton."

"Hen Sneck:

"Dear Sir:—For plumbago in the back yure medicen betes awl. The hull nayborhood is inkwiren ware they can git sum sampels fer nuthing.

"E. J. Sayre."

"Hen Sneck:

"I hed an awful pane in me stummik and a littel gentel rubbin from an emptie glass bottel that hed kontained your elickser kured me at wunst. I'm sorrie I couldn't find the kerk.

"A. L. LeGoullon."

"Hen Sneck:

"I kant begin to deskribe the wunderful things your elikser hes dun for me and mie family. Wen you have eny more bottel to leve with Tom Brown, mark won for me. "W. J. McKee."

Hen Sneck:

"I had a pimpel on me rite ere that hed Three apbeen werryin me very mutch. plikashuns of your elickser removed the pimpel spontanously. Dock O'Day seys mie ere will be all right agin in bout 16 days.

"B. O'Brien."

"Hen Sneck, Hinkles Korners:

"Deer sur:-I had a turrible case uv Sunburn an Springfever, brung on by Overexershun an workin on my Farm on institoothill. Three Cases uv ure elickshur Kured me uv the sun-Burn. I am Trubbled sum yit with the spring-Fever. Plees send me by freight 3 More cases; ef tha Kure me i can sel more uv it, ez Nerly all uv the Boys in butler er trubbled the same wa.

"Ures in haste,
"George Galmish."

Hen is bound to make a big thing out of his medesin. He sez wen he sells enuff he iz goen to bie a 40-kandle power aughto-He sold fore bottels in Franklin mobiel. last week.

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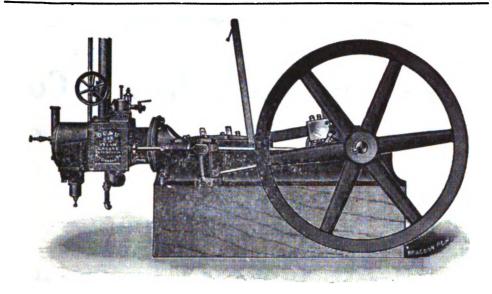
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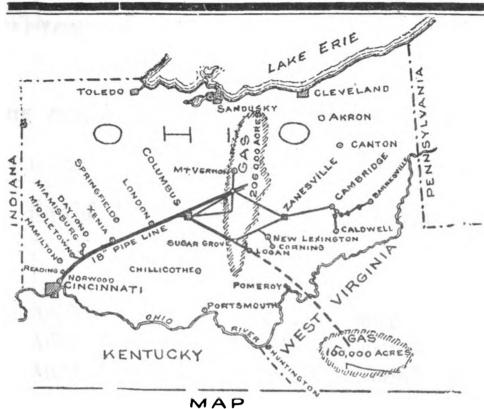
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Program of the Day's Events



Thursday, July 25th, 1907

THE MOVEMENT OF TRAINS

Thursday, July 25th, 1907, will be as follows:

OVER THE LAKE SHORE AND MICHIGAN SOUTHERN RAILWAY THURSDAY, JULY 25th, 1907. TIME OF SPECIAL TRAIN.

		Standard	
Leave Oil City U. D			
Leave Oil City W. S		7:15	a, m.
Leave Reno	. .	7:22	a. m.
Leave Franklin			
Leave Polk		8:00	a, m.
Leave Raymilton	• • • • • • • •	8:10	a. m.
Leape Sandy Lake	• • • • • • • •	8:24	a. m.
Leave Stoneboro			
Leave Clarks Mills		8:40	a. m.
Leave Hadley		8:47	a. m.
ARRIVE Exposition Park		9:45	a. ni.

RETURNING SPECIAL TRAIN WILL LEAVE THE PARK AT 7:00 P. M. CENTRAL STANDARD TIME.

First train, consisting of 11 cars and a combination or baggage car, to leave Butler at 7:45 a. m., running to Exposition Park without stopping for passengers.

Second train, consisting of 9 coaches and combination or baggage car to leave Butler at 8:00 a. m., stopping for passengers at Main Line Stations, excepting Queen Junction to and including Grove City, thence to Exposition Park without further stops.

Third train, consisting of 9 coaches and combination or baggage car to leave Dewey (Brady's Bend) at 7:00 a.m., making all stops for passengers to Queen Junction inclusive, thence to Exposition Park without further stops.

Returning, trains leave Park at 7:00 p. m. for Dewey, making all stops on the

Western Allegheny where there may be passengers to let off.

Second train at 7:15 and third train at 10:30 p. m. for Butler, making necessary stops at Grove City and south thereof to let off passengers,

SOUTHERN TRAINS.		Queen Junction	7:55
SPECIAL TRAIN LEAVES-	A.M.	Euclid	8:00
Zelienople	.6:30	Keister	8:10
Harmony		Branchton	8:12
Harmony Junction	6:35		
Evans City			A.M.
Callery	6:50		7:45
Watters	6:53	Butler	8:00
Glade Run	6:58		7:45
Ribolds	7:03	Jamisonville	7:55
Renfrew			8:40
Arrive Butler			
Returning, leave Lake at 7:30 p. m.	• •		
SPECIAL TRAIN LEAVES-	A.M.	Special Cars, Pittsburg & Butler Stree	t Ry.
Foxburg	6:00	LEAVE—	A.M.
Parker	6:10	Hoffmans5:07 and	6:07
Bruin	6:25	Wildwood5:12 and	
Petrolia	6:34	Bakerstown5:17 and	6:17
Karns	6:39		
Chicora	6:53	Downieville5:38 and	6:38
North Oakland	6:56		
St. Joe		Rosebaugh5:48 and	
Carbon Centre	7:10	Adams5:54 and	6:64
Returning, leave Lake at 7:30 p. m.		Hartzel6:00 and	7:00
SPECIAL TRAIN LEAVES—	A.M.	Country Club6:05 and	7:05
Dewey	7:00	Renfrew6:12 and	7:12
Kaylor	7:05	McCalmont6:15 and	7:15
Fairmount	7:15		
Buena Vista	7:20		aving
Starr Crossing	7:30	at 10:30. Excursionists will thus be	given
Hooker	7:35	an opportunity to remain for the eve	ening
Thorn Crossing		dance and festivities.	
THOUSE CLOSUS THE			

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