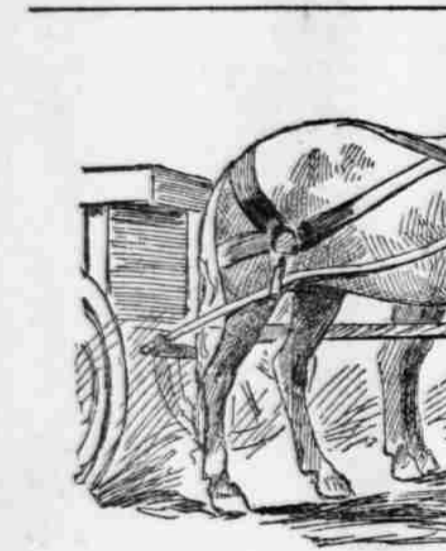


OUR DRAFT HORSES. The Gentle but Powerful Animals That Have Made the Gas City Famous the World Over.

THEY WEIGH NEARLY A TON EACH. Vehicles Used in Transporting the Heavier Products of the Iron and Steel Manufacturers.

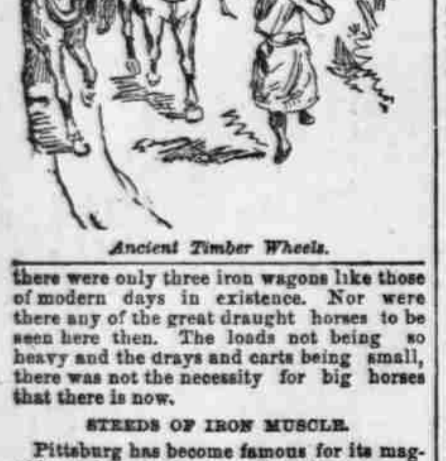


DRAGHT HORSES AND HARNESS.

wheels which now haul iron castings through the streets of Pittsburgh, the ramshackle of a conveyance in Dore's picture certainly was a mere plaything. But one other place in the world can exhibit such strong and massive wheel-trucks as Pittsburgh, and that is Birmingham, in England.

Smaller timber wheels, weighing five and six tons will also weigh a burden of 30 tons. They cost from \$200 to \$400 a piece. Their heavy running gear, ponderous wheels with spokes that look like giant's clubs, iron tires that resemble railroad rails, oak timbers fitted with chains so big and heavy that a man cannot lift them—these are what make one of the ugly-looking cars worth that amount of money.

A CAR OF INDUSTRY. Smaller timber wheels, weighing five and six tons will also weigh a burden of 30 tons. They cost from \$200 to \$400 a piece.

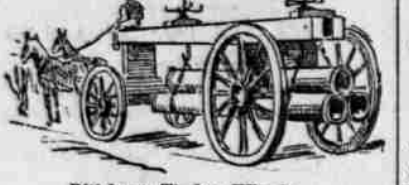


Ancient Timber Wheels.

there were only three iron wagons like those of modern days in existence. Nor were there any of the great draught horses to be seen here. The loads not being so heavy and the drays and carts being small, there was not the necessity for big horses that there is now.

FEEDING THE MONSTER. The draught horse being larger than the average street equine, requires in proportion more food. He consumes a bushel of grain every day, while the greater horse does not get much more than a bushel a day.

Proportionately as much hay is required to keep the big brute. The harness for draught horses is of the strongest leather that is made. For iron hauling extra heavy traces, straps, etc., are needed. Frank Arday uses the old-fashioned harness, with bit-trace, as the best he can find for the purpose of timber wheel and truck hitching. These are the same that were used on the horses of the Conestoga wagons in the days before railroading.



Pittsburgh Timber Wheels.

ment of his teams of to-day approach those of the old-time that during the Allegheny County Centennial Mr. Arday sent out on a search through the mountains for one of the finest old-fashioned Conestoga wagons. Sixty miles from here he finally found the bed of one which was built in 1832, and which was one of the largest that plied between Pittsburgh and Philadelphia.

So by the time you pay \$45 or \$50 for a set of harness, give each horse a bushel of oats per day, and let him lose several of those great iron shoes, you will find that it is slightly more expensive keeping a draught horse than one of the smaller size. These big animals are remarkably docile and gentle.

They are beautiful as a picture. They cannot travel fast, but on the rule that big bodies move slowly they jog along, taking good strides and keeping a steady progress all day if need be, but seldom faster than a walk. When they do trot the effort becomes something tremendous, and anything but graceful.

SOME CELEBRATED LOADS. The heaviest load ever hauled in Pittsburgh on a set of timber wheels was cast at Zettler's foundry, on Twenty-fifth street, eight years ago, for the Siemens and Sons Steel Works on Second avenue, in Frankstown.

A LIVELY TILT. Hitch in the G. A. R. Meeting About Inviting the Sons. A meeting of the Grand Army Day Committee of the G. A. R. was held yesterday afternoon in the Common Council chamber.

CHOKED BY UNKNOWN STRANGLER. A verdict was rendered yesterday by the Coroner's jury in the case of the child found among some bushes near Gallagher street, Allegheny, on Sunday last. The evidence in the case was all in on Monday last, and the Coroner held the matter open to give the Allegheny police a chance to work up more testimony.

EXCURSIONS TO THE SOUTHWEST. Reduced Rates to St. Joseph, Mo., via the Pennsylvania Lines, August 24 to 26. For National Encampment, Sons of Veterans, at St. Joseph, Mo., August 26-30. Low rate round trip tickets, good return until September 1, will be sold via the Pennsylvania lines on August 24, 25 and 26.

PIANOS AND ORGANS. At Cost. 7 1/2 octave upright pianos, \$175 to \$200. 75 to 125 Organs and melodians, \$20 to 75. See other local for reason why we quote these prices. ECHOLS, McMEYER & Co., 125 Sandusky st., Allegheny.

EVERY DAY SCIENCE.

A Wonderful Machine That Makes Fine Cloth of Horse Hairs. NEW ARTICLES MADE OF PAPER.

Wire Rolled From Cold Steel Bars is Stronger Than if Drawn Hot. ANCIENT STYLE IN STAINED GLASS.

One of the most wonderful instances of what can be accomplished by ingenious mechanical applications is a loom for weaving horsehair cloth, which has been introduced in England. The hairs, after being sorted and otherwise prepared, are placed in a channel at the side of the loom.

A Wise Precaution. A firm of chemists in Birmingham, England, place upon all poisons sold by them directions as to the antidotes which should be applied in cases where the poisons are taken accidentally or intentionally by human beings.

Chemicals in Japan. Drugs and chemicals are now constituting a very important feature in the Japanese trade, large quantities being used for paper and match making, glass works and other industries.

Supply and Demand. A writer in a rubber journal after treating of the growing demand for rubber and the possibilities of the future supply, calls attention to the fact that one of the earliest references to caoutchouc as a substance capable of practical use was made by Priestley in the preface of his work on "Perispective," published in 1770.

Canal Projects in France. There are now under consideration two projects, which, if carried out, will have an immense effect on the trade of France. The first is the project of making Paris into a port by canalizing the Seine, so that sea-going vessels can make the passage from Paris to the ocean.

Paper Tool Handles. An engineer of Manchester, England, is introducing a novelty in paper, viz., paper file parts and tool handles, which are said to be practically indestructible and much cheaper than wood or metal handles.

THE TICKERS' REUNION. Pittsburgh Telegrapher: Will try to Attend the Old Tickers' Meetings—The latter to be held in Kansas City—Names of the Officers.

Rolling Cold Steel Into Wire. A very important new industry is the rolling of cold steel bars into wire. The generally accepted idea has always been that cold rolling would destroy the fiber of the steel and render the wire brittle as to be of no practical value.

Galvanic Coating for Plaster Casts. Hitherto the galvanic coating of plaster casts has been a difficultly in stopping the pores of the surface so effectively as to prevent the galvanic bath penetrating into the interior of the plaster and there producing first crystallization and then deliquescence. This obstacle appears to have been overcome by the discovery that saturation in tar not only closes up the pores of the plaster, but adds very considerably to its strength.

OUR SHORT STORIES.

How the Almighty Dollar Creeps Into a Man's Heart at Times. SENTIMENT IN KEMMLER'S DEATH.

Heeler's Ideas of the Eligibility of Candidates for Office. NAMING THE TWIN PICKANNINIES.

THEY WERE NOT SUITED. An old negro under a tree, muttering in that indistinct manner so peculiar to his race, when a white man came along and asked: "What the matter, old man?"

NOT ELIGIBLE. "Fellow citizens," exclaimed the quiet-looking man in the drab suit, as he mounted a table at the ward caucus after securing recognition from the Chair.

NAMED THEM AFTER THE LORD. Old Pete Robinson, who lives at Wortham, Va., is a pious negro, who jugged along with his wife for many years, naming a new baby every year until 17 unbleached olive branches bore scriptural names.

APPRECIATION. He was an author, wrapped up in his work, and longing for some little appreciation. She was a matter-of-fact woman, whose head poetry had her limitations.

Special Excursions. The B. & O. R. R. Company will sell excursion tickets to the G. A. R. encampment at Gettysburg, Pa., August 29 to September 3 inclusive.

Bargains. One Meyer piano, \$75 00. One Marshall & Mittner piano, \$100 00. One Parlor Grand Kramlich & Bach piano, \$75 00.

Exposition Notes. Matings, linoleums, oil cloths and carpets made and laid on shortest possible notice. Mullins, satens and silk draperies in stock and put up at short notice.

Admission to All - 10-CENTS-10. A Model Temple of Amusement erected at an outlay of \$50,000, designed and created as a Family Resort for the instruction and entertainment of ladies and children.

OUR SHORT STORIES.

How the Almighty Dollar Creeps Into a Man's Heart at Times. SENTIMENT IN KEMMLER'S DEATH.

Heeler's Ideas of the Eligibility of Candidates for Office. NAMING THE TWIN PICKANNINIES.

THEY WERE NOT SUITED. An old negro under a tree, muttering in that indistinct manner so peculiar to his race, when a white man came along and asked: "What the matter, old man?"

NOT ELIGIBLE. "Fellow citizens," exclaimed the quiet-looking man in the drab suit, as he mounted a table at the ward caucus after securing recognition from the Chair.

NAMED THEM AFTER THE LORD. Old Pete Robinson, who lives at Wortham, Va., is a pious negro, who jugged along with his wife for many years, naming a new baby every year until 17 unbleached olive branches bore scriptural names.

APPRECIATION. He was an author, wrapped up in his work, and longing for some little appreciation. She was a matter-of-fact woman, whose head poetry had her limitations.

Special Excursions. The B. & O. R. R. Company will sell excursion tickets to the G. A. R. encampment at Gettysburg, Pa., August 29 to September 3 inclusive.

Bargains. One Meyer piano, \$75 00. One Marshall & Mittner piano, \$100 00. One Parlor Grand Kramlich & Bach piano, \$75 00.

Exposition Notes. Matings, linoleums, oil cloths and carpets made and laid on shortest possible notice. Mullins, satens and silk draperies in stock and put up at short notice.

Admission to All - 10-CENTS-10. A Model Temple of Amusement erected at an outlay of \$50,000, designed and created as a Family Resort for the instruction and entertainment of ladies and children.

OUR SHORT STORIES.

How the Almighty Dollar Creeps Into a Man's Heart at Times. SENTIMENT IN KEMMLER'S DEATH.

Heeler's Ideas of the Eligibility of Candidates for Office. NAMING THE TWIN PICKANNINIES.

THEY WERE NOT SUITED. An old negro under a tree, muttering in that indistinct manner so peculiar to his race, when a white man came along and asked: "What the matter, old man?"

NOT ELIGIBLE. "Fellow citizens," exclaimed the quiet-looking man in the drab suit, as he mounted a table at the ward caucus after securing recognition from the Chair.

NAMED THEM AFTER THE LORD. Old Pete Robinson, who lives at Wortham, Va., is a pious negro, who jugged along with his wife for many years, naming a new baby every year until 17 unbleached olive branches bore scriptural names.

APPRECIATION. He was an author, wrapped up in his work, and longing for some little appreciation. She was a matter-of-fact woman, whose head poetry had her limitations.

Special Excursions. The B. & O. R. R. Company will sell excursion tickets to the G. A. R. encampment at Gettysburg, Pa., August 29 to September 3 inclusive.

Bargains. One Meyer piano, \$75 00. One Marshall & Mittner piano, \$100 00. One Parlor Grand Kramlich & Bach piano, \$75 00.

Exposition Notes. Matings, linoleums, oil cloths and carpets made and laid on shortest possible notice. Mullins, satens and silk draperies in stock and put up at short notice.

Admission to All - 10-CENTS-10. A Model Temple of Amusement erected at an outlay of \$50,000, designed and created as a Family Resort for the instruction and entertainment of ladies and children.

BIJOU THEATRE. UNDER THE DIRECTION OF R. M. GULICK & CO.

WEEK COMMENCING MONDAY, AUGUST 25, Matinees, Wednesday and Saturday.

THE JOLLY GERMAN DIALECT COMEDIAN AND SWEET SINGER CHAS. A. GARDNER

IN HIS GRAND ROMANTIC COMEDY, FATHERLAND.

AN IDYL OF THE TYROL. BEAUTIFUL ALPINE SCENERY.



HEAR GARDNER'S TEN NEW SONGS! INCLUDING HIS GREAT HIT, "THE LILAC."

GENUINE TYROLEAN QUARTET! IN QUANT YODELINGS.

RESERVED SEATS. BIJOU PRICES: 75, 50 and 25c. Sept. 1—Russell's Comedians in "The City Directory."

HARRIS' THEATER. Week Commencing Monday, Aug. 25

Every Afternoon and Evening. Aides Benedict's Spectacular Drama, FABIO ROMANI!

SPECIAL ANNOUNCEMENT! 1890 THE SECOND ANNUAL EXHIBITION 1890

PITTSBURG EXPOSITION WILL OPEN WEDNESDAY, Sept. 3, at 8 P. M.

WORLD'S MUSEUM AND THEATER. GEORGE CONNOR, Manager. EDW. KEENAN, Business Manager.

CURIO HALL. THE DUDE SKELETON. J. W. COFFEE.

SIG. GILLETTS' MARVELOUS MONKEYS. MAJOR LITTLEFINGER AND WIFE.

THEATORIUM. BOBBY HYDES' SPECIALTY COMPANY. GEORGE C. MARSHALL.

JOHN WESLEY BROTHERS. Ed-BANKER AND RICHARDS-Gus. JOE-DEVERE and DEMASY-Jennie.