

**ROBERTS' PETROLEUM TORPEDO.**  
**TORPEDOES.**  
**THE ROBERTS**  
**PETROLEUM TORPEDO CO.**  
 Office at the  
**RED PLANING MILL,**  
 Corner of Pine and Second Streets,  
 (Near the Railroad.)  
**ITUSVILLE, PA.**

Owing to the large and increasing demand for the Roberts' Torpedoes, and the late decision of the Commissioner of Patents in refusing to Wm. Reed a patent, and the denial of Grier's opinion sustaining the Roberts' patent they have LOWERED the price of their Torpedoes

**TWENTY PER CENT.**

so that every Operator can afford to try a Torpedo before abandoning a Well.

The following is the decision rendered by Judge Grier on the twenty-second (22) day of September, 1893, in the United States Circuit Court at Philadelphia. The case was argued three days by Charles M. Keller of New York, B. F. Lucas and S. A. Permann of Pittsburgh, for defendants, and George Harding of Philadelphia, and George H. Christy, of Pittsburgh, for plaintiff.

**OPINION OF JUDGE GRIER.**

As I write with difficulty I can only state the conclusions to which my mind has come after a careful examination of this case.

The complainant has exhibited a patent dated 25th of April, 1893. The prima facie evidence of a good title, and puts on the defendant the burden of proof that the patent is void or worthless. I need not repeat my remarks in the case of Good year vs. Day 12 Wall, C. C. Rep. 239, but now apply them as affording a rule of decision which applies clearly to the present case.

As the infringement of the patent is admitted, the only question will be as to the validity of complainant's patent of April 25, 1893.

"It was after speculation had been reduced to practice," and after repeated experiments, that the complainant succeeded in overcoming the prejudice and ignorance of the people on the subject, and persuading the public that his invention was useful; after he had established its great utility and value, and "when his genius and patient perseverance, in spite of sneers and scolds," were completely successful, that Reed, who had before made experiments on the same subject, and was unsuccessful, learned that he had the best right to the invention, and after purchasing one or more complainant's torpedoes he applied on the 1st of November, 1891, for a patent for substantially the same combination of devices and scheme contained in complainant's patent. On the 15th of the same month the respondents formed themselves into a company or corporation called "The Reed Torpedo Company," for the purpose of paying the expense of litigation, and thus defrauding him of the fruits. They have prevailed, even after the preliminary injunction very properly granted by the District Judge.

Let a decree be entered for complainant for a perpetual injunction, and a Master appointed to take an account according to the prayer of the bill.

K. C. GRIER, Judge.

**NOTE**—The passage referred to by Judge Grier in his former decision, 3 Wallace, p. 299, adopted as applicable to this case was as follows:

"It is usually the case, when any valuable discovery is made, or any new machine of great utility is invented, that the attention of the public has been turned to that subject previously, and that many persons have been making researches and experiments. Philosophers and mechanics may have in some measure anticipated in their speculations the possibility or probability of such discovery or invention; many experiments have been successfully tried, coming very near, yet falling short of the desired result. They have produced useful benefits. The invention when perfected may truly be said to be the culminating point of many experiments, not only by the inventor, but by many others. He may have profited indirectly by the unsuccessful experiments and failures of others, but it gives them no right to claim a share of the honor of the profit of the successful inventor. It is when discovery has been perfected by patient and continued experiments, when some new compound, art, manufacture, or machine has been thus produced which is useful to the public, that the party making it becomes a public benefactor and entitled to a patent."

"And yet when genius and patient perseverance have at length succeeded, in spite of sneers and scolds, some valuable invention or discovery, how seldom is it followed by reward! Envy robs him of the honor, while speculators, swindlers, and pirates rob him of the profits. Every unsuccessful experimenter who did or did not come very near making a discovery now claims it. Every one who can invent an improvement or vary its form, claims a right to share the original discovery. We need not summarize Morse, or Blanchard, or Woodworth to prove that this is the usual history of every great discovery or invention."

"The present case adds another chapter to this long and uniform history."—2 Wallace, C. C. Reports p. 302.

**CAUTION.**

The public is cautioned against employing any but the regularly authorized Agents of the Company, since the Roberts' Patent covers the use of the Torpedo and all explosive materials for oil wells, and the use of such materials by other parties is a direct infringement of their rights. Any parties infringing any of the ROBERTS' PATENTS will be dealt with according to law, and as acting willfully and knowingly in defiance of law and the decisions of the Courts.

The Company have re-organized their business with a view to accommodate Oil Men in every part of the Oil Region. They have employed the most efficient Agents and Assistants that can be procured for the business. Each Torpedo is labeled with date of patent, together with the price of the Torpedo, and signed by an officer of the Company, so every Operator wishing a Torpedo may know its price and whether it came from our office.

Operators will confer a favor by reporting to this Office any negligence of Agents.

The following named persons have been appointed Agents and Assistants for the Oil Regions of Pennsylvania and West Virginia.

- LIST OF AGENTS.**
- ITUSVILLE, CHURCH RUN AND VICINITY**—STEPHEN J. GOW, Office, Hamilton's Cigar Store, address Titusville, Pa. Assistant, John Van Sice.
- ITUSVILLE, CHURCH RUN AND VICINITY**—E. B. THOMAS, Office and address, Mansion House, Titusville, Pa.
- SHAMBERG AND VICINITY**—GEORGE H. LIND, Office, Shamberg; residence, Titusville, Pa. Assistant, A. A. West.
- ENVERMORE, PLEASANTVILLE, BEAN FARM AND TIDOUPTON**—GEORGE W. VAN VLIET, Office and address, Chase House, Pleasantville. Assistant, H. G. Huntington.
- TIDOUPTON AND WEST HICKORY**—CHAS. CLARK, Office and address, Exp. Co. Office, Tidoupton. Assistant, E. C. Boardley.
- PETROLEUM CENTRE AND VICINITY**—LEVI MASON, Office and address, Petroleum Centre, Pa. Assistant, Charles Bradford.
- TATE AND BLOOD FARMS AND DISTRICT** lying on Oil Creek and Cherry Run, from Story Farm to McClintockville—JAMES SAUNDERS, Address, Tate Farm, Pa. Assistants, Luther B. Saunders, Charles R. Ayler, and William Hoyt.
- McCLINTOCKVILLE, OIL CITY AND RENO**—A. S. WEST, Address, Oil City or Reno, Pa. Assistant, W. Mend.
- FRANKLIN, ALONG THE ALLEGHENY RIVER**—J. WILBER, Office and address, Franklin, Pa. Assistant, J. S. FOSTER, FARM & PACKERS' LANDS—H. W. REDFIELD, Office and address, Scrubbers, Pa. Assistant, R. W. Portchfield, address, Emulation, Pa.
- WEST VIRGINIA**—C. D. ANGEL, and T. F. COOK, Address, Parkersburg, West Virginia.
- Roberts Petroleum Torpedo Co.**  
 Titusville, Pa.

**OWEN GAFFNEY'S COLUMN.**  
**THE OLD ESTABLISHED**  
**Liquor House**  
 NO. 25 WASHINGTON STREET,  
**PETROLEUM CENTRE**

**OWEN GAFFNEY, PROP'R.**



**BOURBON WHISKIES!**

From S. T. Selt & Co., E. H. Chase & Co., and J. W. Dunn & Co., all of Louisville, Ky.

**Rye Whisky**

The celebrated Overholt and other Fine Brands from Pittsburgh and Westmoreland county.

**Domestic Goods**  
 RUMS, GINS, AND BRANDIES

**FINE LINE OF IMPORTED GOODS**

JAMAICA RUM,  
 ST. CROIX RUM,  
 HENNESSEY BRANDY,  
 COGNAC BRANDY,  
 HOLLAND GIN,  
 FRENCH KIMMEL,  
 All direct from the Custom House.

**Wines.**  
 Port and Sherry warranted pure for medicinal use.

**NATIVE WINE.**  
 SWEET CATAWBA, DRY WINE,  
 RHINE WINE, HAMMOND'S PORT WINE,  
 and LAKE SHORE WINE.

**Champaign Wines.**  
 Cluquot,  
 Mumm,  
 Heidsieck,  
 Diamond Wedding,  
 Carte Blanche,  
 South Shore &  
 Numerous other brands.

**CIGARS.**  
 A large stock constantly on hand.

**SUNDAY COMFORT!**  
 TO BE HAD AT ALL TIMES.

**GIVE ME A CALL.**  
**OWEN GAFFNEY.**  
 Petroleum Centre, Pa., Aug. 16, 1870-1871.

**WINSOR BROS. COLUMN.**  
**WINSOR BROS.,**  
**HARDWARE**  
**STORE.**  
 ESTABLISHED 1859.

**Winsor Bros.**  
 MAIN STREET,  
**PETROLEUM CENTRE,**  
 DEALERS IN OIL WELL

**TUBING AND CASING!**

ALSO;  
 WORKING BARRELS & VALVES,  
 STUFFING BOXES,  
 CLAMPS, TONGS,  
 INNIS SUCKER RODS,  
 RIVETED JOINT SUCKER ROD  
 BOILER PUMPS,  
 CISTERN & WELL PUMPS,  
 Every Description of supplies for

**OIL WELL TANKS AND REFINERIES!**  
 BRASS GOODS,  
**STEAM & GAS FITTINGS**  
 BELTING, PACKING AND HOSE  
 KIRBY'S COMPRESSED BUNGS,  
**HARDWARE,**  
 House Trimmings,  
 Carpenters' Tools,  
 Drilling and Plain Laid Rope,  
 Oakum, Nails, Axes,  
 Table and Pocket Cutlery,  
 A full assortment of everything in the Hardware Line.

**House Furnishing Goods,**  
**VENTILATOR**  
 AND  
**Morning Glory**  
**BASE BURNERS.**  
 HOME COMPANION,  
 IRON GATE, and  
 WHEAT SHEAF

**Cook Stoves.**  
 Lamps, Lanterns & Chimneys,  
 No. 1 Winter strained  
 Lard Oil,  
 NO. 1 REFINED OIL.  
**CHAMPION CLOTHES WRINGERS**  
 Manufactured by

**TIN, SHEET IRON & COPPER WARE.**  
**SMOKE STACKS,**  
 Repairing of all kinds done with neatness and dispatch. Especial attention given to

**Steam and Gas Fittings**  
 Purchasing with cash only, our facilities for furnishing everything in our line are superior to any other establishment in the Oil Region. We have a first class.

**TIN AND REPAIR SHOP**  
 Thanking our friends for their liberal patronage in the past, we shall use our best efforts to merit its continuance.  
 GEO. W. KING, Sr.  
 Petroleum Centre, Pa., Aug. 16, 1870-1871.

**LAKE SHORE & MICHIGAN SOUTHERN RAILWAY.**  
**FRANKLIN DIVISION.**  
 Connecting trains at Jamestown and Oil City. On and after Monday, August 22, 1870, trains will run as follows:

**LEAVE OIL CITY.**  
 MIXED TRAIN leaves Oil City 2:10 p.m.; Reno, 2:30 p.m.; Two Mile Run, 2:42 p.m.; Franklin, ar. 2:55 p.m.; Waterloo, 3:05 p.m.; Summit, 3:28 p.m.; Waterloo, 3:50 p.m.; Raymont, 4:15 p.m.; Sandy Lake, 4:42 p.m.; Stoneboro, 4:50 p.m.; Coal Branch, ar. 4:58 p.m.; Salem, 5:10 p.m.; A & G W Crossing, 5:18 p.m.; Jamestown, 6:45 p.m.

**MAIL** leaves Oil City, 9:30 a.m.; Reno, 9:40 a.m.; Two Mile Run, 9:47 a.m.; Franklin, 9:53 a.m.; Summit, 9:58 p.m.; Waterloo, 9:58 a.m.; Raymont, 10:02 a.m.; Sandy Lake, 10:10 a.m.; Stoneboro, 10:14 a.m.; Coal Branch, 10:24 a.m.; Clark's Mills, 10:31 a.m.; Waterloo, 10:41 a.m.; Salem, 10:53 a.m.; A & G W Crossing, 10:58 a.m.; ar. at Jamestown, 11:10.

**FRANKLIN ACCOMMODATION** leaves Oil City, 4:30 p.m.; Reno, 4:43 p.m.; Two Mile Run, 4:52 p.m.; arrives at Franklin, 5:30 p.m.

**ARRIVE AT OIL CITY.**  
 MIXED TRAIN will leave Jamestown, 6:50 a.m.; A & G W Crossing, 7:15 a.m.; Salem, 7:25 a.m.; Waterloo, 7:32 a.m.; Clark's Mills, 8:08 a.m.; Coal Branch, ar. 8:30, de. 8:50 a.m.; Stoneboro, 9:08 a.m.; Sandy Lake, ar. 9:50, de. 10:00 a.m.; Raymont, 10:05 a.m.; Waterloo, 10:25 a.m.; Summit, 10:40 a.m.; Franklin, ar. 11:20, de. 11:30 a.m.; Two Mile Run, 11:42 a.m.; Reno, 11:53 a.m.; arrive at Oil City, 12:10 p.m.

**MAIL** leaves Jamestown, 1:00 p.m.; A & G W Crossing, 1:14 p.m.; Salem, 1:20 p.m.; Waterloo, 1:28 p.m.; Clark's Mills, 1:40 p.m.; Coal Branch, 1:58 p.m.; Stoneboro, 2:02 p.m.; Sandy Lake, 2:08 p.m.; Raymont, 2:25 p.m.; Waterloo, 2:37 p.m.; Summit, 2:44 p.m.; Franklin, 3:03 p.m.; Two Mile Run, 3:12 p.m.; Reno, 3:18 p.m.; arrives at Oil City, 3:30 p.m.

**FRANKLIN ACCOMMODATION** leaves Franklin, 8:15 a.m.; arrives at Oil City, 8:30 a.m.

Mail and express will stop at all stations except Two Mile Run, Summit, Coal Branch, Clark's and Salem, and at these stations to have passengers, and on signal to take passengers.

Mixed trains will stop at all stations.

CHAS. H. B. HALL, Gen. Supt.  
 GEO. H. Mc NEE, Supt.

**Philadelphia & Erie R. R.**  
**SUMMER TIME TABLE**  
 On and after Monday, May 30th, 1870, the trains on the Philadelphia & Erie Railroad will run as follows:

**WESTWARD.**  
 Mail Train leaves Philadelphia, 10:20 p.m.; " " leaves Cory, 6:00 p.m.; " " arrives at Erie, 7:30 p.m.; Erie Exp. leaves Philadelphia, 10:50 a.m.; " " leaves Cory, 5:50 a.m.; Warren Accommodation leaves Warren, 8:00 a.m.; " " leaves Cory, 9:40 a.m.; " " arrives at Erie, 11:30 a.m.

**EASTWARD.**  
 Mail train leaves Erie, 8:50 a.m.; " " leaves Cory, 10:40 a.m.; " " arrives at Philadelphia, 6:30 a.m.; Erie Exp. leaves Erie, 9:00 p.m.; " " leaves Cory, 10:45 p.m.; Warren Accommodation leaves Erie, 4:30 p.m.; " " leaves Cory, 5:55 p.m.; " " arrives at Warren, 7:30 p.m.

Express, Mail and Accommodation, East and West, connect at Cory, and all West bound trains and Mail and Accommodation, East at Levidale with Oil Creek and Allegheny River Railway.

WM. A. BALDWIN, Gen'l Supt.

**ALLEGHENY VALLEY R. R.**  
 New line to Buffalo, through the Oil Regions.  
 JUNE 6, 1870.

**GOING SOUTH.**  
 Oil City, Franklin, Parker's Mt., Pitts' Mt., 9:00 a.m. 9:55 a.m. 12:30 p.m. 6:30 p.m.  
 Day Exp. 2:00 p.m. 2:55 p.m. 4:35 p.m. 8:30 p.m.  
 Night Ex. 9:30 p.m. 10:35 p.m. 1:00 a.m. 7:00 a.m.

**GOING NORTH.**  
 Pittsburg, Parker's, Franklin, ar. Oil City  
 Day Exp. 7:30 a.m. 11:45 a.m. 1:00 p.m. 2:50 p.m.  
 Night Ex. 7:30 p.m. 4:25 p.m. 6:20 p.m. 7:05 p.m.  
 Night Ex. 9:00 p.m. 3:00 a.m. 5:50 a.m. 6:50 a.m.

**SILVER PALACE SLEEPING CARS** on Night Express trains both ways, between Pittsburgh and Cory.

J. J. LAWRENCE, Gen. Supt.  
 THOS. M. KING, Asst. Supt.

**BUFFALO, CORY AND PITTSBURGH RAILROAD.**

**NORTHWARD TRAINS.**  
 Express, Cory, Brocton, Buffalo.  
 Exp. 9:25 a.m. 11:55 a.m. 1:50 p.m.  
 Mail, 11:55 a.m. 3:25 p.m. 5:30 p.m.  
 Way Freight, 5:35 p.m. 8:00 a.m. 2:01 p.m.  
 Accommodation, 5:35 p.m. 8:50 a.m. 10:30 p.m.

**SOUTHWARD TRAINS.**  
 Buffalo, Brocton, Cory.  
 M. F., 8:25 a.m. 8:25 a.m. 10:55 a.m.  
 Express, 11:50 p.m. 2:00 p.m. 5:00 p.m.  
 Accommodation, 4:20 p.m. 7:15 p.m. 10:15 p.m.  
 Way Freight, 4:00 a.m. 7:35 a.m. 10:25 a.m.  
 Monday, May 30, 1870.

To Milliners and Country Storekeepers

**FALL TRADE**  
**WHOLESALE DEPARTMENT,**  
**UP STAIRS.**  
 DESIRABLE goods received daily from action and private sale. Our stock of Dressings, Trimmings, Satins, Silks, Velvets, Ribbons, Laces, Trimmings, Ribbons, Yankee Notions, Fancy Goods, etc., etc., is large and cheap. We cut lengths at a price. Buy and sell for cash.

**Edward Ridley & Son,**  
 309, 311, & 311 1/2 Grand, and  
 66, 68 & 70 Allen Streets,  
 CORN & STATE STS. CORNER east from the Brewery  
 NEW YORK CITY.

**FISHER & NORRIS,**  
**GENERAL MACHINISTS**  
 and Dealers in all kinds of  
**WELL TOOLS & FIXTURES**  
 Necessary for putting down and operating Oil Wells. In connection with our MACHINE SHOP, we have a large and convenient  
**BLACKSMITH SHOP.**  
 Our facilities for MANUFACTURING are not excelled by any Shop in the Oil Regions.  
 Shop—Main-st., opposite McClintock House  
 may 27 th FISHER & NORRIS

**GEO. W. KING, Sr.,**  
 Has removed to his NEW STORE, adjoining Schulz & Wing's Grocery Store, WASHINGTON ST., and is now prepared to furnish his friends and the public generally with  
**Fresh and Salt Meats**  
 of all kinds. Thanking my friends for past favors I hope to merit a continuance of the same. Give me a call.  
 GEO. W. KING, Sr.  
 Petroleum Centre, Pa., May 1870, 1871.

**ERIE RAILWAY.**  
 140 MILES UNDER ONE MANAGEMENT. CHANGE OF COACHES.  
**The Broad Gauge, Double Track**  
 Route  
**BETWEEN THE ATLANTIC CITIES**  
 AND THE  
**WEST AND SOUTH-WEST**

**THIS RAILWAY EXTENDS FROM**  
 Cincinnati to New York 800 Miles,  
 Cleveland to New York 625 Miles,  
 Dunkirk to New York 460 Miles,  
 Buffalo to New York 423 Miles,  
 Rochester to New York 385 Miles,  
 AND IS FROM  
**27 TO 27 1/2 MILES THE SHORTEST ROUTE.**

New and Improved Coaches are run from Cincinnati, Dayton, Urbana, Marion, Galion, Ashland, Ashland, Akron, Cleveland, Warren, Sandusky, Dunkirk, Buffalo and Rochester to

**New York Without Change.**  
**ONLY ONE CHANGE TO BOSTON.**  
 On and after Monday, June 13, 1870, trains will leave Mendville at the following hours, viz:

**FRANKLIN BRANCH--Going South.**  
**LEAVE:**  
 Mendville, 5:45 A. M., 11:50 A. M., 3:10 P. M., 4:45 P. M.  
**ARRIVE:**  
 Franklin, 7:45 " 1:15 " 6:10 " 8:10 "  
 Oil City, 8:30 " 1:45 " 7:00 " 9:40 "

**FRANKLIN BRANCH--Going North.**  
**LEAVE:**  
 Oil City, 10:30 A. M., 9:10 A. M., 3:15 P. M., 9:15 P. M.  
 Franklin, 12:01 " 9:42 " 4:00 " 9:42 "  
**ARRIVE:**  
 Mendville, 2:45 P. M., 11:25 A. M., 6:15 P. M., 1:25 A. M.

**GOING WEST**  
**1:55 A. M. DAY EXPRESS**, daily, Mondays excepted, for Cleveland, Cincinnati and the West and South. Connects at Cleveland, Sundays excepted, for Stearns, Newburgh and Pittsburgh; at Levidale for Youngstown and Youngstown and Cleveland with Lake Shore Railway; for the West and North-West at Levidale, Sundays excepted, for Alliance and Pittsburgh; at Akron, Sundays excepted, for Orville and Millersburg; at Urbana with Pittsburgh, Cincinnati and St. Louis Railway for Indianapolis, and at Uniontown with the Ohio & Mississippi Railway, for St. Louis and the South and West.

Sleeping Coaches are attached to this train at Hornellsville, running through to Cleveland without change.

**8:55 A. M. EXPRESS MAIL**, daily, Sundays excepted, for Cleveland and the West and North-West. Connects at Cleveland for Sharon, Newburgh and Pittsburgh; at Levidale with Lake Shore Railway for the West and North-West.

**2:20 P. M. NIGHT EXPRESS**, daily, for Cleveland, Cincinnati and the West and South—Connects at Levidale, Sundays excepted, for Youngstown and Cleveland with Lake Shore Railway; for the West and North-West at Uniontown with the Ohio & Mississippi Railway for St. Louis and the South and West.

A Sleeping Coach is attached to this train at New York, running through to Cincinnati.

**11:10 A. M. ACCOMMODATION**, Sundays excepted, for Levidale and Way Station, connecting for Youngstown.

**2:30 P. M. FREIGHT & ACCOMMODATION**, daily.

**7:00 A. M. WAY FREIGHT**, Sundays excepted.

**GOING EAST.**  
**11:40 A. M. LIGHTNING EXPRESS**, daily, connecting at Cory. Sundays excepted, for Warren, Mayville, Brocton and Titusville, and Andy for Erie; at Elmira with Northern Central Railway for Williamsport, Harrisburg, Philadelphia and Baltimore and New York for Boston and New England and New York.

A Sleeping Coach is attached to this train at Cincinnati running through to New York.

**8:20 P. M. CINCINNATI EXPRESS**, daily, Sundays excepted, connecting at Bluffton for Albany and the celebrated summer resort, Saratoga Springs, and at New York for Boston, and all New England cities.

A Sleeping Coach is attached to this train at Mendville running through to New York.

**2:53 A. M. NEW YORK DAY EXPRESS**, daily, Sundays excepted. Connects at Great Bend with Delaware, Lackawanna & Western Railway for Scranton, and at New York with Midland Express train of New Jersey Railroad for Philadelphia.

A Sleeping Coach is attached to this train at Cleveland, running through to Hornellsville, connecting with train having new and improved Drawing Room Coaches attached, running through to New York.

**2:45 P. M. ACCOMMODATION**, Sundays excepted.

**12:10 A. M. ACCOMMODATION**, Sundays excepted.

**5:15 A. M. WAY FREIGHT**, Sundays excepted.

Boston and New England Passengers, with their baggage, are transferred FREE OF CHARGE to New York.

The best ventilated and most luxurious sleeping coaches **2-2 IN THE WORLD** accompany all night trains on this Railway.

The Erie Railway Company has opened a new Ferry from their Jersey City Depot to the foot of 6th St., New York, thus enabling passengers to reach the upper portion of the city without the expense and annoyance of a street car or an equal transfer.

The scenery along the entire route of the Erie Railway is of the most picturesque and beautiful character. Admire of Nature's beauties, in a day's journey over this line, will find the ever changing landscapes subjects of continual admiration and interest.

**Baggage Checked Through!**  
 And fare always as low as by any other Route.

ASK FOR TICKETS VIA ERIE RAILWAY  
 Which can be obtained at all the Principal Ticket Offices in the West and South-West.

L. D. RUCKER, Gen'l Agent  
 W. H. BARR, Gen'l Agent  
 G. H. SUGRUE, Gen'l Agent