

Henry R. Worthington

List of

Water Works Pumping Engines

[SIXTH EDITION]

January 1, 1900

LIST OF PLACES WHERE
WORTHINGTON PUMPING ENGINES
 HAVE BEEN FURNISHED FOR USE ON WATER
 WORKS SERVICE, THE YEAR WHEN THEY
 WERE ERECTED OR CONTRACTED
 FOR, AND THEIR DAILY CAPACITY
 IN U. S. GALLONS.

Location.	1860.	Capacity in U. S. Gallons
Greenwood Cemetery, Brooklyn, N. Y.,	- - -	500,000
Harrisburg, Pa.,	- - - - -	2,000,000
1861.		
Mount Auburn, Mass.,	- - - - -	500,000
1863.		
Charlestown, Mass.,	- - - - -	5,000,000
1864.		
Wilmington, Del.,	- - - - -	500,000
1866.		
Annapolis, Md.,	- - - - -	500,000
1867.		
Charlestown, Mass.,	- - - - -	5,000,000
1868.		
Burlington, Vt.,	- - - - -	750,000
Burlington, Vt.,	- - - - -	750,000
Philadelphia, Pa. (Belmont Station),	- - -	5,000,000
Philadelphia, Pa. (Belmont Station),	- .. - -	5,000,000

LIST OF WORTHINGTON PUMPING ENGINES.

Location.	1869.	Capacity in U. S. Gallons.
Norristown, Pa., - - - - -	- - - - -	1,000,000
Prospect Park, Brooklyn, N. Y., - - - - -	- - - - -	1,000,000
Newark, N. J., - - - - -	- - - - -	5,000,000
Cambridge, Mass., - - - - -	- - - - -	5,000,000
1870.		
Newark, N. J., - - - - -	- - - - -	5,000,000
Philadelphia, Pa. (Delaware Station), - - - - -	- - - - -	6,000,000
Philadelphia, Pa. (Roxborough Station), - - - - -	- - - - -	5,000,000
Salem, Mass., - - - - -	- - - - -	5,000,000
Hudson River Hospital, Poughkeepsie, N. Y., - - - - -	- - - - -	1,000,000
Portland, Ore., - - - - -	- - - - -	1,000,000
1871.		
Columbia, Pa., - - - - -	- - - - -	1,500,000
Wayne, Pa., - - - - -	- - - - -	200,000
1872.		
State Hospital for Insane, Danville, Pa., - - - - -	- - - - -	1,500,000
Wilmington, Del., - - - - -	- - - - -	5,000,000
Charlestown, Mass., - - - - -	- - - - -	8,000,000
Providence, R. I., - - - - -	- - - - -	5,000,000
Philadelphia, Pa., - - - - -	- - - - -	2,000,000
Rahway, N. J., - - - - -	- - - - -	1,500,000
Rahway, N. J., - - - - -	- - - - -	1,500,000
Bowling Green, Ky., - - - - -	- - - - -	1,000,000
Zanesville, Ohio, - - - - -	- - - - -	2,000,000
Poughkeepsie, N. Y., - - - - -	- - - - -	3,000,000
Marysville, Cal., - - - - -	- - - - -	750,000
1873.		
Philadelphia, Pa. (Belmont Station), - - - - -	- - - - -	8,000,000
Jersey City, N. J. (Belleville Division), - - - - -	- - - - -	8,000,000
Jersey City, N. J. (Belleville Division), - - - - -	- - - - -	8,000,000
Conshohocken, Pa., - - - - -	- - - - -	1,000,000
Phoenixville, Pa., - - - - -	- - - - -	1,500,000
New Bedford, Mass., - - - - -	- - - - -	3,000,000
Woburn, Mass., - - - - -	- - - - -	2,000,000
Salem, Mass., - - - - -	- - - - -	5,000,000
Waltham, Mass., - - - - -	- - - - -	1,500,000
Attleborough, Mass., - - - - -	- - - - -	1,000,000

LIST OF WORTHINGTON PUMPING ENGINES.

3

Location.	1874.	Capacity in U. S. Gallons.
Baltimore, Md., - - - - -	- - - - -	5,000,000
Baltimore, Md., - - - - -	- - - - -	5,000,000
Pasadena, Cal., - - - - -	- - - - -	750,000
Lindsay, Ont., Canada, - - - - -	- - - - -	350,000
San Francisco, Cal., - - - - -	- - - - -	1,000,000
Newark, N. J., - - - - -	- - - - -	8,000,000
Cambridge, Mass., - - - - -	- - - - -	5,000,000
Baltimore, Md., - - - - -	- - - - -	3,000,000
Phoenixville, Pa., Iron Works, - - - - -	- - - - -	2,500,000
Toledo, Ohio, - - - - -	- - - - -	5,000,000
Toledo, Ohio, - - - - -	- - - - -	5,000,000
Toronto, Canada, - - - - -	- - - - -	5,000,000
Buffalo, N. Y., - - - - -	- - - - -	10,000,000
Montgomery, Ala., - - - - -	- - - - -	1,000,000

1875.

Lincoln, Mass.,- - - - -	- - - - -	450,000
Newark, N. J., - - - - -	- - - - -	3,000,000
Montreal, Canada, - - - - -	- - - - -	11,000,000
Zanesville, Ohio, - - - - -	- - - - -	3,000,000
Bristol, Pa., - - - - -	- - - - -	1,000,000
Brookline, Mass., - - - - -	- - - - -	2,000,000
Natick, Mass., - - - - -	- - - - -	1,500,000
College Point, N. Y., - - - - -	- - - - -	1,200,000
College Point, N. Y., - - - - -	- - - - -	1,300,000
Savannah, Ga., - - - - -	- - - - -	5,000,000
Fall River, Mass., - - - - -	- - - - -	5,000,000
Danville, Va., - - - - -	- - - - -	1,000,000
Staunton Va., - - - - -	- - - - -	1,250,000
Bloomington, Ill., - - - - -	- - - - -	1,000,000
Racine, Wis., - - - - -	- - - - -	1,000,000
Michigan City, Ind., - - - - -	- - - - -	1,500,000
Yorkville, Canada, - - - - -	- - - - -	1,500,000
Media, Pa., - - - - -	- - - - -	335,000
Cloverdale, Cal., - - - - -	- - - - -	500,000

1876.

Willows, Cal., - - - - -	- - - - -	1,000,000
Los Angeles, Cal., - - - - -	- - - - -	1,000,000
Buffalo, N. Y., - - - - -	- - - - -	15,000,000
Toronto, Canada, - - - - -	- - - - -	10,000,000

LIST OF WORTHINGTON PUMPING ENGINES.

Location.	Capacity in U. S. Gallons.
Sandusky, Ohio, - - - - -	3,000,000
Sandusky, Ohio, - - - - -	2,000,000
Lowell, Mass., - - - - -	5,000,000
Jamaica Pond, Mass., - - - - -	2,000,000
Cleveland, Ohio, - - - - -	10,000,000
Springfield, Ill., - - - - -	3,000,000
Danvers, Mass., - - - - -	2,000,000
Centennial Exhibition, Philadelphia, Pa. - - - - -	5,000,000
Newton, Mass., - - - - -	5,000,000
Newton, Mass., - - - - -	1,000,000
Bordentown, N. J., - - - - -	500,000
1877.	
Colusa, Cal., - - - - -	1,000,000
Syracuse, N. Y., - - - - -	10,000,000
Boston, Mass., - - - - -	3,000,000
Mount Holly, N. J., - - - - -	500,000
Pittston, Pa., - - - - -	2,000,000
Kalamazoo, Mich., - - - - -	2,000,000
Bridgeton, N. J., - - - - -	1,000,000
Norwalk, O., - - - - -	2,500,000
Newcastle, Pa., - - - - -	3,000,000
San Antonio, Tex., - - - - -	1,500,000
Portland, Ore., - - - - -	3,000,000
Baltimore, Md., - - - - -	3,000,000
Rochelle, Ill., - - - - -	750,000
Willard Asylum, N. Y., - - - - -	1,500,000
Escondido, Cal., - - - - -	1,000,000
Sorel, Quebec, Canada, - - - - -	1,000,000
1878.	
Elyria, Ohio, - - - - -	1,500,000
Burlington, N. J., - - - - -	500,000
Paterson, N. J., - - - - -	3,000,000
Peru, Ind., - - - - -	2,000,000
Peru, Ind., - - - - -	1,500,000
Jacksonville, Ill., - - - - -	2,000,000
Lancaster, Pa., - - - - -	3,000,000
Haverhill, Mass., - - - - -	1,500,000
London, Ont., Canada, - - - - -	2,000,000
Lewiston, Me., - - - - -	3,000,000
Lewiston, Me., - - - - -	3,000,000

LIST OF WORTHINGTON PUMPING ENGINES.

5

Location.	1879.	Capacity in U. S. Gallons.
Houston, Tex.,	- - - - -	3,000,000
New York, N. Y. (98th Street),	- - - - -	7,500,000
New York, N. Y. (98th Street),	- - - - -	7,500,000
Edgar Thompson Steel Co., Braddock, Pa.,	- - - - -	3,500,000
Edgar Thompson Steel Co., Braddock, Pa.,	- - - - -	3,500,000
Cambria Iron Works, Johnstown, Pa.,	- - - - -	3,500,000
Quincy, Ill.,	- - - - -	2,000,000
Plymouth, Mass.,	- - - - -	1,500,000
Jacksonville, Fla.,	- - - - -	3,000,000
Pennsylvania Steel Co., Steelton, Pa.,	- - - - -	6,000,000
New Brighton, Pa.,	- - - - -	750,000
Alameda, Cal.,	- - - - -	2,000,000
Jersey City, N. J.,	- - - - -	3,000,000
Youngstown, Ohio,	- - - - -	3,000,000
Brookline, Mass.,	- - - - -	1,000,000
Norfolk, Va.,	- - - - -	2,000,000
Norfolk, Va.,	- - - - -	2,000,000
Norfolk, Va.,	- - - - -	2,000,000
Union Stock Yard, Ill.,	- - - - -	2,000,000
Tewksbury, Mass.,	- - - - -	335,000
New Carlisle, Ind.,	- - - - -	335,000
	1880.	
Woodstock, Ont., Canada,	- - - - -	1,000,000
Wheeling, W. Va.,	- - - - -	3,000,000
Cooperstown, N. Y.,	- - - - -	500,000
Cooperstown, N. Y.,	- - - - -	500,000
Macon, Ga.,	- - - - -	1,000,000
Alton, Ill.,	- - - - -	1,500,000
Brantford, Ont., Canada,	- - - - -	750,000
Nantucket, Mass.,	- - - - -	1,500,000
Rochelle, Ill.,	- - - - -	750,000
Jamaica Pond, Mass.,	- - - - -	750,000
Calumet and Hecla Mining Co., Michigan,	- - - - -	3,500,000
Edgar Thompson Steel Co., Braddock, Pa.,	- - - - -	3,500,000
Peoria, Ill.,	- - - - -	2,000,000
Peoria, Ill.,	- - - - -	2,000,000
St. Joseph, Mo.,	- - - - -	4,000,000
East Boston, Mass.,	- - - - -	750,000
Canton, Ohio,	- - - - -	1,000,000
Canton, Ohio,	- - - - -	2,000,000

LIST OF WORTHINGTON PUMPING ENGINES.

Location.	Capacity in U. S. Gallons.
Akron, Ohio, - - - - -	1,500,000
Akron, Ohio, - - - - -	1,000,000
Waltham, Mass., - - - - -	1,500,000
Cleveland, Ohio, - - - - -	10,000,000
Newark, N. J., - - - - -	5,000,000
Yonkers, N. Y., - - - - -	3,500,000
Colorado Coal and Iron Co., Pueblo, Col., - - - - -	1,500,000
Philadelphia (Spring Garden Station), - - - - -	10,000,000
Danvers, Mass., - - - - -	2,000,000
Albany & Rensselaer Iron and Steel Co., Troy, N. Y., - - - - -	3,000,000
Lancaster, Ohio, - - - - -	1,500,000
Danville, Va., - - - - -	2,000,000
Buffalo, N. Y., - - - - -	15,000,000
Haverhill, Mass., - - - - -	1,500,000
Boston, Mass. (Sewerage), - - - - -	25,000,000
Boston, Mass. (Sewerage), - - - - -	25,000,000

1881.

Short Hills, N. J., - - - - -	200,000
Quincy, Ill., - - - - -	2,000,000
Annapolis, Md., - - - - -	1,250,000
Auburn, Me., - - - - -	750,000
Wilmington, N. C., - - - - -	2,000,000
Wellsville, Ohio, - - - - -	1,500,000
St. Charles, Mo., - - - - -	1,500,000
Greenwood Cemetery, Brooklyn, N. Y., - - - - -	500,000
Lowell, Mass., - - - - -	750,000
Somerville, N. J., - - - - -	500,000
McKeesport, Pa., - - - - -	1,500,000
McKeesport, Pa., - - - - -	1,500,000
Portland, Ore., - - - - -	500,000
Richmond, Va., - - - - -	6,000,000
Chillicothe, Ohio, - - - - -	1,500,000
Keokuk, Iowa, - - - - -	1,500,000
Tombstone, Ariz., - - - - -	500,000
St. Louis, Mo., - - - - -	500,000
Litchfield, Ill., - - - - -	500,000
Otis Iron and Steel Co., Cleveland, Ohio., - - - - -	750,000
Muncie, Ind., - - - - -	1,500,000
Edgar Thompson Steel Co., Braddock, Pa., - - - - -	3,500,000

LIST OF WORTHINGTON PUMPING ENGINES.

Location.	Capacity in U. S. Gallons.
Edgar Thompson Steel Co., Braddock, Pa.,	3,500,000
Edgar Thompson Steel Co., Braddock, Pa.,	3,500,000
Edgar Thompson Steel Co., Braddock, Pa.,	3,500,000
Winston, N. C.,	500,000
Standard Oil Co., Cleveland, Ohio.,	5,000,000
Standard Oil Co., Cleveland, Ohio.,	5,000,000
Peabody, Mass.,	2,500,000
Peabody, Mass.,	2,500,000
Savannah, Ga.,	7,500,000
Hackensack Water Co., Hackensack, N. J.,	3,000,000
Hackensack Water Co., Hackensack, N. J.,	3,000,000
Long Branch, N. J.,	2,500,000
Cambria Iron Works, Johnstown, Pa.,	5,000,000
St. Joseph, Mo.,	3,000,000

1882.

Mt. Vernon, Ohio,	1,000,000
Mt. Vernon, Ohio,	1,000,000
Painesville, Ohio,	2,500,000
Morrison, Ill.,	2,000,000
State Hospital for Insane, Danville, Pa.,	1,500,000
New Haven, Conn.,	6,000,000
Burden Iron Works, Troy, N. Y.,	3,500,000
Winona, Minn.,	2,000,000
Winona, Minn.,	2,500,000
Atlantic City, N. J.,	1,500,000
Atlantic City, N. J.,	1,500,000
Pottstown, Pa.,	1,500,000
Springfield, Ill.,	4,000,000
Lowell, Mass.,	750,000
Cambridge, Mass.,	1,000,000
Hamilton, Ont., Canada,	1,250,000
Ishpeming, Mich.,	750,000
Gunnison, Col.,	1,500,000
Tyler, Tex.,	1,000,000
Locust Mountain, Pa.,	2,225,000
Locust Mountain, Pa.,	2,225,000
West Chester, Pa.,	1,000,000
Hot Springs, Ark.,	1,000,000
Pernambuco, Brazil,	1,500,000
Phoenixville, Pa.,	1,500,000

Location.	Capacity in U. S. Gallons.
New York City, N. Y. (High Bridge),	5,000,000
New Brunswick, N. J.,	5,500,000
San Diego, Cal.,	1,000,000
1883.	
Freeland, Pa.,	350,000
Sunbury, Pa.,	1,250,000
Sunbury, Pa.,	1,500,000
Tunkhannock, Pa.,	350,000
Westminster, Md.,	450,000
Painesville, Ohio	1,000,000
Negaunee, Mich.,	1,500,000
Mandan, Dak.,	500,000
State Penitentiary, Huntsville, Tex.,	350,000
St. Thomas, Ont., Canada,	350,000
Zumbrota, Minn.,	500,000
Standard Oil Co., Bayonne, N. J.,	5,000,000
Standard Oil Co., Bayonne, N. J.,	5,000,000
Bradford, Pa.,	750,000
Hackensack Water Co., Hackensack, N. J.,	2,000,000
Hackensack Water Co., Hackensack, N. J.,	2,000,000
Yonkers, N. Y.,	1,250,000
Portland, Ore.,	5,000,000
Portland, Ore.,	5,000,000
Phoenixville, Pa.,	500,000
Olean, N. Y.,	2,000,000
Stratford, Ont., Canada,	2,500,000
Milton, Pa.,	2,000,000
Winfield, Kan.,	1,000,000
Portsmouth, Va.,	6,000,000
Alliance, Ohio,	1,500,000
Elizabethtown, N. J.,	2,500,000
Cambria Iron Works, Johnstown, Pa.,	5,000,000
Galesburg, Ill.,	1,500,000
La Grange, Ill.,	1,500,000
Philadelphia, Pa. (Spring Garden Station),	15,000,000
Philadelphia, Pa. (Spring Garden Station),	15,000,000
Philadelphia, Pa. (Roxborough Station),	7,500,000
Lancaster, Pa.,	6,000,000
Fergus Falls, Minn.,	1,250,000
Beaver Falls, Pa.,	3,500,000

LIST OF WORTHINGTON PUMPING ENGINES.

9

Location.	Capacity in U. S. Gallons.
Des Moines, Iowa, - - - - -	6,000,000
New Bethlehem, Pa., - - - - -	1,000,000
Nashville, Tenn., - - - - -	2,500,000
Nashville, Tenn., - - - - -	2,500,000
Nashville, Tenn., - - - - -	2,500,000
Nashville, Tenn., - - - - -	2,500,000
Olean, N. Y., - - - - -	1,000,000
Pittsburgh (South Side), Pa., - - - - -	4,000,000
Bloomsburg, Pa., - - - - -	1,000,000
Chamberlain, Dak., - - - - -	500,000
Cleburn, Tex., - - - - -	1,250,000
Terrell, Tex., - - - - -	1,000,000
Georgetown, Tex., - - - - -	750,000
Cleveland, Ohio, - - - - -	10,000,000
Corsicana, Tex., - - - - -	750,000
Corsicana, Tex., - - - - -	750,000
Amesbury, Mass., - - - - -	2,000,000
Macon, Ga., - - - - -	750,000
Galveston, Tex., - - - - -	2,000,000
Sandwich, Ill., - - - - -	1,000,000
San Marcos, Tex., - - - - -	750,000
Brookville, Pa., - - - - -	1,000,000
Waterbury, Conn., - - - - -	1,000,000
Wilkesbarre, Pa., - - - - -	1,000,000
Newburgh, N. Y., - - - - -	1,500,000
Long Island City, N. Y., - - - - -	2,000,000

1884.

Temple, Tex., - - - - -	750,000
Canandaigua, N. Y., - - - - -	1,250,000
Nashua, N. H., - - - - -	3,000,000
Brooklyn, N. Y. (Springfield Station), - - - - -	2,000,000
Sayre, Pa., - - - - -	1,500,000
Columbia, S. C., - - - - -	1,000,000
Princeton, N. J., - - - - -	500,000
Belton, Tex., - - - - -	1,000,000
Lampasas, Tex., - - - - -	500,000
Lampasas, Tex., - - - - -	500,000
Cortland, N. Y., - - - - -	1,500,000
Whitman, Mass., - - - - -	1,250,000

Location.	Capacity in U. S. Gallons.
Dunkirk, N. Y., - - - - -	1,500,000
Negaunee, Mich., - - - - -	1,500,000
Sauk Centre, Minn., - - - - -	1,250,000
Newton, Kan., - - - - -	3,000,000
Gonzales, Tex., - - - - -	450,000
Aylmer, Ont., Canada, - - - - -	450,000
Woodstock, Ont., Canada, - - - - -	1,000,000
Sheffield, Ala., - - - - -	200,000
Bridgeport, Conn., - - - - -	4,000,000
Woonsocket, R. I., - - - - -	2,000,000
Irvington, N. Y., - - - - -	500,000
Atlantic City, N. J., - - - - -	1,500,000
South Abington, Mass., - - - - -	1,250,000
Augusta, Ga., - - - - -	3,000,000
Bethlehem Iron Co., Pa., - - - - -	3,000,000
Jersey Shore, Pa., - - - - -	750,000
Amesbury, Mass., - - - - -	2,000,000
Wahpeton, Dak., - - - - -	1,000,000
Sioux Falls, Dak., - - - - -	1,500,000
Crystal, W. Co., - - - - -	1,500,000
Newark, N. J., - - - - -	8,000,000
Braddock, Pa., - - - - -	2,500,000
Braddock, Pa., - - - - -	2,500,000
Passaic, N. J., - - - - -	2,000,000
Trenton, N. J., - - - - -	6,000,000
West Haven, Conn., - - - - -	500,000
Canton, Ill., - - - - -	750,000
New Orleans Exposition, - - - - -	1,500,000
New Orleans Exposition, - - - - -	1,500,000

1885.

*New Bedford, Mass., - - - - -	5,000,000
Manheim, Pa., - - - - -	500,000
Flatbush, N. Y., - - - - -	2,500,000
Red Bank, N. J., - - - - -	1,500,000
Newcastle, Pa., - - - - -	3,000,000
Bethlehem, Pa., - - - - -	500,000
Quincy, Ill., - - - - -	2,000,000
Houlton, Me., - - - - -	500,000

* High Duty Engine.

LIST OF WORTHINGTON PUMPING ENGINES.

11

Location.	Capacity in U. S. Gallons.
Houlton, Me., - - - - -	500,000
Corvallis, Ore., - - - - -	500,000
Muncie, Ind., - - - - -	1,000,000
Hegewisch, Ill., - - - - -	1,500,000
Lake View, Ill., - - - - -	5,000,000
Brooklyn, N. Y. (Watts' Pond), - - - - -	3,000,000
Mamaroneck, N. Y., - - - - -	200,000
Jacksonville, Fla., - - - - -	2,500,000
Pierre, Dak., - - - - -	750,000
Cambria Iron Works, Johnstown, Pa., - - - - -	5,000,000
Belleville, Ill., - - - - -	1,250,000
Belleville, Ill., - - - - -	1,250,000
San Antonio, Tex., - - - - -	6,000,000
Fort Cœur de Aléne, Idaho, - - - - -	750,000
Adams, N. Y., - - - - -	1,000,000
Gravesend, N. Y., - - - - -	2,000,000
Gravesend, N. Y., - - - - -	2,000,000
Bethlehem, Pa., - - - - -	750,000
Lansing, Mich., - - - - -	1,500,000
Lansing, Mich., - - - - -	1,500,000
San Francisco, Cal. (South Side), - - - - -	1,250,000
Marshall, Mo., - - - - -	1,000,000
Marshall, Mo., - - - - -	1,000,000
Orange, N. J., - - - - -	1,750,000
Auburn, Me., - - - - -	1,000,000
Moberly, Mo., - - - - -	600,000
Moberly, Mo., - - - - -	750,000
Fulton, N. Y., - - - - -	1,500,000
Whitman, Mass., - - - - -	1,250,000
Homer, N. Y., - - - - -	1,000,000
Greenwood Cemetery, Brooklyn, N. Y., - - - - -	1,000,000
*Montreal, Canada, - - - - -	12,000,000
Richfield Springs, N. Y., - - - - -	1,000,000
Riverside and Oswego Mills, - - - - -	2,500,000
Stoughton, Mass., - - - - -	500,000
Waco, Tex., - - - - -	1,500,000
San Antonio, Tex., - - - - -	1,250,000
Putnam, Conn., - - - - -	1,000,000
Paola, Kan., - - - - -	750,000

* High Duty Engine

LIST OF WORTHINGTON PUMPING ENGINES.

Location.	Capacity in U. S. Gallons.
Paola, Kan., - - - - -	750,000
Oak Park, Ill., - - - - -	2,000,000
Crystal Plate Glass Co., Missouri,	2,500,000
Jamestown, N. Y., - - - - -	750,000
Waterford, N. Y., - - - - -	1,000,000
Norway, Me., - - - - -	650,000
Presque Isle, Me., - - - - -	650,000
Wenonah, N. J., - - - - -	500,000
Elyria, Ohio, - - - - -	1,000,000
Neilsville, Wis., - - - - -	500,000
Astrakhan, Russia, - - - - -	2,000,000
Aylesbury, England, - - - - -	500,000
Mexboro, England, - - - - -	400,000
Sevenoaks, England, - - - - -	500,000
London, England (Kent Co.), - - - - -	500,000

1886.

Cape May City, N. J., - - - - -	1,000,000
Morristown, N. J., - - - - -	500,000
Freeland, Pa., - - - - -	500,000
Union Bridge, Md., - - - - -	450,000
Orangeburgh, S. C., - - - - -	450,000
Meridian, Miss., - - - - -	2,500,000
Eureka, Ill., - - - - -	350,000
Fort Worth, Tex., - - - - -	2,500,000
Guadalajara, Mexico, - - - - -	1,000,000
Dallas, Tex., - - - - -	2,225,000
Dallas, Tex., - - - - -	2,225,000
Tuxedo Park, N. Y., - - - - -	750,000
Shelbyville, Ill., - - - - -	1,000,000
Shelbyville, Ill., - - - - -	1,000,000
Long Branch, N. J., - - - - -	3,000,000
Bethlehem Iron Co., Pa., - - - - -	3,000,000
Texarkana, Tex., - - - - -	1,000,000
Brunswick, Ga., - - - - -	1,000,000
Shelbyville, Ind., - - - - -	1,000,000
Shelbyville, Ind., - - - - -	1,000,000
Warsaw, Ind., - - - - -	1,000,000
Warsaw, Ind., - - - - -	1,000,000
Selma, Ala., - - - - -	1,000,000

LIST OF WORTHINGTON PUMPING ENGINES. 13

Location.	Capacity in U. S. Gallons.
Selma, Ala., - - - - -	1,000,000
East Greenwich, R. I., - - - - -	750,000
East Greenwich, R. I., - - - - -	750,000
Caldwell, Kan., - - - - -	1,500,000
Marion, Iowa, - - - - -	1,000,000
Marion, Iowa, - - - - -	1,000,000
Bridgeport, Conn., - - - - -	4,000,000
Anthony, Kan., - - - - -	750,000
Anthony, Kan., - - - - -	750,000
Stockton, Cal., - - - - -	2,000,000
Freeland, N. J., - - - - -	1,000,000
Wooster, Ohio, - - - - -	750,000
Crawfordsville, Ind., - - - - -	1,500,000
Crawfordsville, Ind., - - - - -	1,500,000
Crawfordsville, Ind., - - - - -	2,000,000
East St. Louis, Ill., - - - - -	3,000,000
East St. Louis, Ill., - - - - -	3,000,000
Waterloo, N. Y., - - - - -	1,000,000
Waterloo, N. Y., - - - - -	1,000,000
*Abington and Rockland, Mass., - - - - -	2,000,000
Abington and Rockland, Mass., - - - - -	21,250,00
Exeter, N. H., - - - - -	1,000,000
Exeter, N. H., - - - - -	1,000,000
Westerly, R. I., - - - - -	875,000
Westerly, R. I., - - - - -	875,000
Cincinnati, Ohio, - - - - -	6,000,000
Lawrence, Kan., - - - - -	1,225,000
Lawrence, Kan., - - - - -	1,225,000
Houston, Tex., - - - - -	5,000,000
White Plains, N. Y., - - - - -	1,250,000
Lakewood, N. J., - - - - -	1,000,000
Pittsburgh, (South Side) Pa., - - - - -	1,500,000
Memphis, Tenn., - - - - -	4,000,000
Bethlehem Iron Co., Pa., - - - - -	3,000,000
Clarinda, Iowa, - - - - -	1,125,000
Clarinda, Iowa, - - - - -	1,125,000
Clrystal Plate Glass Co., Missouri, - - - - -	2,000,000
Clrystal Plate Glass Co., Missouri, - - - - -	2,000,000
Bath, Me., - - - - -	3,000,000

*High Duty Engine.

Location.	Capacity in U. S. Gallons.
Wilmington, N. C., - - - - -	1,500,000
Easton, Pa., - - - - -	2,000,000
Conshohocken, Pa., - - - - -	1,000,000
Escanaba, Mich., - - - - -	1,250,000
Escanaba, Mich., - - - - -	1,250,000
Cornwall, Ont., Canada, - - - - -	1,250,000
Cornwall, Ont., Canada, - - - - -	1,250,000
Palatka, Fla., - - - - -	1,000,000
Palatka, Fla., - - - - -	1,000,000
*Hackensack Water Co., New Milford, N. J., - - - - -	5,000,000
Chillicothe, Ohio, - - - - -	2,000,000
Brownwood, Tex., - - - - -	1,000,000
Brownwood, Tex., - - - - -	1,000,000
Kansas City, Mo., - - - - -	9,000,000
Macon, Ga., - - - - -	1,500,000
*Davenport, Iowa, - - - - -	5,000,000
Trenton, N. J., - - - - -	2,000,000
Muncie, Ind., - - - - -	1,500,000
Sherman, Tex., - - - - -	750,000
Sherman, Tex., - - - - -	750,000
Cape May City, N. J., - - - - -	1,000,000
Morristown, N. J., - - - - -	500,000
Freeland, Pa., - - - - -	500,000
Union Bridge, Md., - - - - -	450,000
Orangeburgh, S. C., - - - - -	450,000
Meridian, Miss., - - - - -	2,500,000
Eureka, Ill., - - - - -	350,000
Astrakhan, Russia, - - - - -	2,000,000
Havana, Cuba, - - - - -	1,000,000
London, England (Southwark and Vauxhall Co.), - - - - -	500,000
Tourcoing, France, - - - - -	1,500,000
Tourcoing, France, - - - - -	1,500,000
*London, England (West Surrey Station), - - - - -	1,200,000
Mexboro, England, - - - - -	400,000
Zamora, Spain, - - - - -	350,000
*London, England (Chelsea Co.), - - - - -	18,000,000
Berlin, Germany, - - - - -	750,000
Berlin, Germany, - - - - -	750,000
Southampton, England, - - - - -	900,000

* High Duty Engine.

LIST OF WORTHINGTON PUMPING ENGINES. 15

Location.	Capacity in U. S. Gallons.
*Bournemouth, England, - - - - -	2,500,000
†Folkestone, England, - - - - -	750,000
Swansea, South Wales, - - - - -	900,000
1887.	
Tycona, Pa., - - - - -	1,500,000
Tioga, Pa., - - - - -	500,000
Monteagle, Tenn., - - - - -	150,000
Pittsburgh, Kan., - - - - -	1,000,000
San Buenaventura, Cal., - - - - -	200,000
Sea Cliff, N. Y., - - - - -	350,000
Industrial Reformatory, Huntington, Pa., - - - - -	1,000,000
Littleton, N. H., - - - - -	500,000
Paris, Tex., - - - - -	1,000,000
Paris, Tex., - - - - -	1,000,000
Canton, Ohio, - - - - -	3,000,000
Bristol, Cal., - - - - -	2,000,000
Wilkesbarre, Pa., - - - - -	4,000,000
Belleville, Ont., Canada, - - - - -	1,500,000
Belleville, Ont., Canada, - - - - -	1,500,000
Rochester, Minn., - - - - -	1,000,000
Rochester, Minn., - - - - -	1,000,000
Ft. Smith, Ark., - - - - -	3,000,000
Salisbury, N. C., - - - - -	1,000,000
Salisbury, N. C., - - - - -	1,000,000
Newark, N. J., - - - - -	2,000,000
Ashtabula, Ohio, - - - - -	1,500,000
Ashtabula, Ohio, - - - - -	1,500,000
Nebraska City, Neb., - - - - -	1,000,000
Nebraska City, Neb., - - - - -	1,000,000
Chillicothe, Mo., - - - - -	1,000,000
Chillicothe, Mo., - - - - -	1,000,000
Montclair, N. J., - - - - -	750,000
Montclair, N. J., - - - - -	750,000
Greenbush, N. Y., - - - - -	1,000,000
Greenbush, N. Y., - - - - -	1,000,000
Memphis, Tenn., - - - - -	6,000,000
*Cedar Rapids, Iowa, - - - - -	2,000,000
Crookston, Minn., - - - - -	1,250,000

* High Duty Engine.

† Triple Expansion Engine.

Location.	Capacity in U. S. Gallons.
Hurley, Wis., - - - - -	750,000
St. Louis, Mo., - - - - -	5,000,000
St. Louis, Mo., - - - - -	5,000,000
St. Louis, Mo., - - - - -	5,000,000
St. Louis, Mo., - - - - -	5,000,000
Duluth, Minn., - - - - -	3,000,000
Watsonstown, Pa., - - - - -	1,000,000
*Calumet and Hecla Mining Co., Michigan,	10,000,000
Sheboygan, Wis., - - - - -	1,500,000
Sheboygan, Wis., - - - - -	1,500,000
Huntington, W. Va., - - - - -	2,500,000
Elgin, Ill., - - - - -	1,500,000
Elgin, Ill., - - - - -	1,500,000
Catonsville, Md., - - - - -	750,000
Portage City, Wis., - - - - -	1,000,000
Portage City, Wis., - - - - -	1,000,000
Cincinnati, Ohio, - - - - -	25,000,000
East St. Louis, Ill., - - - - -	3,000,000
Cortland, N. Y., - - - - -	1,500,000
Millville, N. J., - - - - -	1,250,000
Jamestown, N. Y., - - - - -	1,000,000
Sanford, Fla., - - - - -	500,000
Bessemer, Mich., - - - - -	750,000
Kamloops, B. C., - - - - -	750,000
Grafton, Mass., - - - - -	500,000
Haddonfield, N. J., - - - - -	1,000,000
Frankfort, Ky., - - - - -	1,500,000
South Pueblo, Col., - - - - -	2,000,000
San Antonio, Tex., - - - - -	1,500,000
Union Stock Yard, Ill., - - - - -	2,000,000
Fort Scott, Kan., - - - - -	1,250,000
Fort Scott, Kan., - - - - -	1,250,000
Middletown, Del., - - - - -	500,000
Bridgewater, Mass., - - - - -	1,000,000
Bridgewater, Mass., - - - - -	1,000,000
Skowhegan, Me., - - - - -	1,000,000
Skowhegan, Me., - - - - -	1,000,000
Pittsburgh, Pa., - - - - -	2,000,000
Geneva, N. Y., - - - - -	1,500,000

* High Duty Engine.

LIST OF WORTHINGTON PUMPING ENGINES.

17

Location.	Capacity in U. S. Gallons.
Cincinnati, Ohio, - - - - -	500,000
North Easton, Mass., - - - - -	750,000
North Easton, Mass., - - - - -	750,000
Marblehead, Mass., - - - - -	1,000,000
Fresno, Cal., - - - - -	2,000,000
Litchfield, Ill., - - - - -	1,000,000
Sanford, Fla., - - - - -	1,250,000
Winfield, Kan., - - - - -	1,250,000
White Plains, N. Y., - - - - -	500,000
Ocala, Fla., - - - - -	1,000,000
Sumter, S. C., - - - - -	1,000,000
Tampa, Fla., - - - - -	1,000,000
Tampa, Fla., - - - - -	1,000,000
*Minneapolis, Minn., - - - - -	15,000,000
*Minneapolis, Minn., - - - - -	15,000,000
*Norristown, Pa., - - - - -	5,000,000
Lake City, Fla., - - - - -	500,000
Orebro, Sweden, - - - - -	1,000,000
Tenby, South Wales, - - - - -	400,000
Leyden, Holland, - - - - -	3,000,000
*Bradford, England, - - - - -	2,000,000
*Bradford, England, - - - - -	2,000,000
Birkenhead, England, - - - - -	400,000
Blaydon Colliery, England, - - - - -	2,700,000
*Northampton, England, - - - - -	1,750,000
*Northampton, England, - - - - -	1,750,000
Bristol Docks, England, - - - - -	500,000
Bristol Docks, England, - - - - -	500,000
*London, England (West Middlesex Co.), - - - - -	26,000,000
London, England (Grand Junction Co.), - - - - -	1,500,000
*London, England (New River Co.), - - - - -	10,000,000
Island of Malta (Goya), - - - - -	500,000
London, England (West Middlesex Co.), - - - - -	350,000
Palermo, Sicily, - - - - -	400,000
*Portsmouth, England, - - - - -	5,000,000
Swansea, South Wales, - - - - -	500,000
Lismore, Australia, - - - - -	500,000
Lismore, Australia, - - - - -	500,000
South America, - - - - -	600,000

* High Duty Engine.

Location.	1888.	Capacity in U. S. Gallons.
*Atlantic City, N. J.,	- - - - -	5,000,000
Alameda, Cal.,	- - - - -	1,500,000
St. Johnland, N. Y.,	- - - - -	1,500,000
*Leavenworth, Kan.,	- - - - -	6,000,000
Sam Christian Gold. Hydraulic, Ltd.,	- - - - -	2,225,000
Sam Christian Gold. Hydraulic, Ltd.,	- - - - -	2,225,000
St. Clair Tunnel (G. T. Ry.),	- - - - -	5,000,000
*Akron, Ohio,	- - - - -	3,000,000
Texarkana, Tex.,	- - - - -	1,000,000
Hammond, Ind.,	- - - - -	750,000
Hammond, Ind.,	- - - - -	750,000
Beaver Dam, Wis.,	- - - - -	1,000,000
Beaver Dam, Wis.,	- - - - -	1,000,000
Green Island, N. Y.,	- - - - -	2,000,000
Green Island, N. Y.,	- - - - -	2,000,000
Oshkosh, Wis.,	- - - - -	1,500,000
Cedar Falls, Iowa.,	- - - - -	1,000,000
Pontiac, Mich.,	- - - - -	1,500,000
Pontiac, Mich.,	- - - - -	1,500,000
Yonkers, N. Y.,	- - - - -	2,000,000
Manitowoc, Wis.,	- - - - -	2,000,000
Manitowoc, Wis.,	- - - - -	2,000,000
Berlin, Ont., Canada,	- - - - -	1,000,000
Berlin, Ont., Canada,	- - - - -	1,000,000
Franklin, Pa.,	- - - - -	1,000,000
*Elmira, N. Y.,	- - - - -	6,000,000
Trenton, Mo.,	- - - - -	300,000
Everett, Mass.,	- - - - -	1,000,000
Dennison, Ohio,	- - - - -	1,000,000
Dennison, Ohio,	- - - - -	1,000,000
Winchester, Mass.,	- - - - -	300,000
Sandusky, Ohio,	- - - - -	7,500,000
Wellsville, N. Y.,	- - - - -	1,000,000
Watkins, N. Y.,	- - - - -	250,000
Tuscaloosa, Ala.,	- - - - -	1,000,000
Tuscaloosa, Ala.,	- - - - -	1,000,000
Manchester, Va.,	- - - - -	750,000
Manchester, Va.,	- - - - -	750,000
Sandy Hill, N. Y.,	- - - - -	750,000

*High Duty Engine.

LIST OF WORTHINGTON PUMPING ENGINES.

19

Location.	Capacity in U. S. Gallons.
Sandy Hill, N. Y., - - - - -	750,000
Newark, N. J., - - - - -	5,000,000
Beloit, Kan., - - - - -	1,000,000
Hillsboro, Ill., - - - - -	750,000
Grand Haven, Mich., - - - - -	1,000,000
Managua, Nicaragua, - - - - -	100,000
Baltimore, Md., - - - - -	5,000,000
Evansville, Ind., - - - - -	2,500,000
Tuxedo Park, N. Y., - - - - -	1,000,000
Binghamton Asylum, N. Y., - - - - -	1,500,000
*Birmingham, Ala., - - - - -	5,000,000
*Memphis, Tenn., - - - - -	10,000,000
*Memphis, Tenn., - - - - -	10,000,000
*Memphis, Tenn., - - - - -	10,000,000
Addison, N. Y., - - - - -	750,000
Biddeford, Me., - - - - -	4,500,000
Aberdeen, Dak. (Sewerage), - - - - -	1,500,000
New York Dyewood Co., Brooklyn, N. Y., - - - - -	6,000,000
Bryn Mawr, Pa., - - - - -	3,000,000
*Brooklyn, N. Y., - - - - -	10,000,000
*Brooklyn, N. Y., - - - - -	10,000,000
Herrington, Kan., - - - - -	1,000,000
Stanley Freehold Gold Mines, Ltd., - - - - -	1,500,000
Asheville, N. C., - - - - -	750,000
Brooklyn, N. Y. (Baisley's), - - - - -	6,000,000
Matthiesen & Wiecher's Sugar Refinery, - - - - -	15,000,000
*Chicago, Ill. (Hyde Park), - - - - -	12,000,000
East Portland, Ore., - - - - -	1,250,000
Wakefield and Narragansett Pier, R. I., - - - - -	2,500,000
Spring Grove Cemetery, Cincinnati, Ohio, - - - - -	1,000,000
Morristown, N. J., - - - - -	350,000
Broken Bow, Neb., - - - - -	1,000,000
Inglewood, Cal., - - - - -	1,250,000
Warton, Ont., Canada, - - - - -	750,000
*Parana, Argentine Republic, - - - - -	1,125,000
*Parana, Argentine Republic, - - - - -	1,125,000
*Parana, Argentine Republic, - - - - -	1,125,000
*Parana, Argentine Republic, - - - - -	1,125,000
*Odessa, Russia, - - - - -	5,000,000

* High Duty Engine.

Location.	Capacity in U. S. Gallons.
*Odessa, Russia, - - - - -	5,000,000
Northampton, England, - - - - -	400,000
Montmartre, France, - - - - -	2,000,000
Bath, England, - - - - -	300,000
L'Orient, France, - - - - -	5,000,000
Liverpool, England, - - - - -	1,200,000
Orenburg, Russia, - - - - -	900,000
Orenburg, Russia, - - - - -	900,000
Tenby, South Wales, - - - - -	1,200,000
Clevedon, England, - - - - -	600,000
London, England (Kent Co.), - - - - -	600,000
St. Petersburg, Russia, - - - - -	10,000,000
St. Petersburg, Russia, - - - - -	10,000,000
St. Petersburg, Russia, - - - - -	10,000,000
St. Petersburg, Russia, - - - - -	10,000,000
St. Petersburg, Russia, - - - - -	10,000,000
Managua, Nicaragua, - - - - -	100,000
Bristol Docks, England, - - - - -	1,000,000
London, England (Lambeth Co.), - - - - -	6,000,000
*Sydney, New South Wales, - - - - -	15,000,000
Tunbridge, England, - - - - -	750,000
*Paris Exposition, 1889, - - - - -	6,000,000
*Monte Video, South America, - - - - -	5,000,000
Folkestone, England, - - - - -	1,000,000
1889.	
Shelter Island, N. Y., - - - - -	300,000
*Chattanooga, Tenn., - - - - -	8,500,000
*Quincy Mining Co., Michigan, - - - - -	8,000,000
Crozer Steel and Iron Works, - - - - -	3,000,000
Lackawanna Iron and Coal Co., - - - - -	3,000,000
Tarboro, N. C., - - - - -	300,000
South Boston, Va., - - - - -	300,000
Taylor, Tex., - - - - -	1,000,000
Orangeburgh, S. C., - - - - -	1,250,000
American Wire Co., Cleveland, - - - - -	2,000,000
Greenport, N. Y., - - - - -	1,000,000
Sag Harbor, N. Y., - - - - -	1,000,000
Cartersville, Ga., - - - - -	1,250,000
Cartersville, Ga., - - - - -	1,250,000

* High Duty Engine.

LIST OF WORTHINGTON PUMPING ENGINES.

21

Location.	Capacity in U. S. Gallons.
Sheffield, Ala.,	750,000
Park Ridge, Ill.,	200,000
Fernandina, Fla.,	1,250,000
Brantford, Ont., Canada,	2,000,000
Marshall, Mich.,	1,000,000
Marshall, Mich.,	1,000,000
Marblehead, Mass.,	1,000,000
Cobourg, Ont., Canada,	1,000,000
Cobourg, Ont., Canada,	1,000,000
Canandaigua, N. Y.,	1,250,000
Santa Barbara, Cal.,	1,000,000
Tarrytown, N. Y.,	1,250,000
Mount Holly, N. J.,	1,000,000
Baker City, Ore.,	750,000
Wytheville, Va.,	750,000
Mammoth Springs, Ark.,	700,000
Crete, Neb.,	1,000,000
*Solvay Process Co., Syracuse, N. Y.,	5,000,000
Reading, Pa.,	5,000,000
* †Port Perry, Pa.,	3,000,000
Nutley, N. J.,	500,000
Grafton, Mass.,	1,000,000
Pictou, Nova Scotia,	1,000,000
Washington Court House, Ohio,	1,500,000
Washington Court House, Ohio,	1,500,000
Mount Vernon, N. Y.,	2,000,000
Monroe, Mich.,	1,500,000
Monroe, Mich.,	1,500,000
Culiacan, Mexico,	450,000
Alexandria, Minn.,	1,000,000
*Nashville, Tenn.,	10,000,000
Fort Keogh, Mont.,	500,000
Somerville, Mass.,	2,000,000
Goldsboro, N. C.,	1,000,000
Goldsboro, N. C.,	1,000,000
*Jersey City, N. J.,	5,000,000
Marysville, Kan.,	750,000
Marysville, Kan.,	500,000
Wellington, Kan.,	1,000,000

* High Duty Engine.

† Triple Expansion Engine.

Location.	Capacity in U. S. Gallons.
New Dorp, Staten Island, N. Y.,	250,000
Bradford, Mass.,	1,000,000
Rouse's Point, N. Y.,	1,000,000
Laredo, Tex.,	1,500,000
Summit, N. J.,	1,000,000
Summit, N. J.,	1,000,000
Pittsburgh Plate Glass Works,	1,750,000
Mazatlan, Mexico,	1,500,000
Fort Worth, Tex.,	2,000,000
*Little Rock, Ark.,	5,000,000
Nebraska City, Neb.,	500,000
Richards Paper Co., Gardiner, Me.,	3,250,000
Ishpeming, Mich.,	3,000,000
Illinois Steel Co., Chicago, Ill.,	4,312,500
Illinois Steel Co., Chicago, Ill.,	4,312,500
Illinois Steel Co., Chicago, Ill.,	4,312,500
Illinois Steel Co., Chicago, Ill.,	4,312,500
Illinois Steel Co., Chicago, Ill.,	4,312,500
Illinois Steel Co., Chicago, Ill.,	4,312,500
Illinois Steel Co., Chicago, Ill.,	4,312,500
Illinois Steel Co., Chicago, Ill.,	4,312,500
†Kettering, England,	1,000,000
*Oxford, England,	4,250,000
†Lisbon, Portugal,	3,000,000
†Calcutta, India,	6,500,000
†Calcutta, India,	6,500,000
†Barry & Cadoxton, Wales,	500,000
†Barry & Cadoxton, Wales,	500,000
South Africa,	750,000
South Africa,	750,000
Windsor, England,	500,000
†Bombay, India,	10,000,000
†Bombay, India,	10,000,000
*Cia Huanchaca de Bolivia,	6,000,000
London, England (Richmond Drainage),	1,500,000
London, England (Richmond Drainage),	1,500,000
London, England (Richmond Drainage),	1,500,000
London, England (Richmond Drainage),	1,500,000
Goya, Island of Malta,	150,000

* High Duty Engine.

† Triple Expansion Engine.

Location.	Capacity in U. S. Gallons.
Alexandria, Egypt, - - - - -	1,200,000
London, England (West Middlesex Co.), - - - - -	7,500,000
Jamu, India, - - - - -	700,000
*Bournemouth, England, - - - - -	2,000,000
Hemel Hemstead, England, - - - - -	900,000
Nagpur, India, - - - - -	2,000,000
Orenburg, Russia, - - - - -	900,000
Swansea, South Wales, - - - - -	900,000
Utrecht, Holland, - - - - -	500,000
Newbabelsberg, Germany, - - - - -	200,000
Cape Town, South Africa, - - - - -	600,000
South Africa, - - - - -	600,000
South Africa, - - - - -	600,000
South Africa, - - - - -	600,000
South Africa, - - - - -	600,000
South Africa, - - - - -	600,000
South Africa, - - - - -	600,000
Island of Malta, - - - - -	125,000
Tiel, Holland, - - - - -	500,000
*Berlin, Germany, - - - - -	5,000,000
*Berlin, Germany, - - - - -	5,000,000
†Rotterdam City, Holland (City Sewerage), - - - - -	30,000,000

1890.

Florence, Ala., - - - - -	1,500,000
Florence, Ala., - - - - -	1,500,000
Tacoma, Wash., - - - - -	1,000,000
Tacoma, Wash., - - - - -	1,000,000
Brooklyn, N. Y., - - - - -	5,000,000
Woodland, Cal., - - - - -	1,125,000
Seattle, Wash., - - - - -	1,500,000
Seattle, Wash., - - - - -	1,500,000
Monmouth Park, N. J., - - - - -	500,000
*New York, N. Y. (98th Street), - - - - -	10,000,000
Portland, Ore. (City Park), - - - - -	350,000
Vicksburg, Miss., - - - - -	1,000,000
Danville, Pa., - - - - -	3,000,000
St. Lawrence State Hospital, Ogdensburg, N. Y., - - - - -	1,600,000
Miles City, Mont., - - - - -	1,000,000
*Baltimore, Md., - - - - -	5,000,000

* High Duty Engine.

† Triple Expansion Engine.

LIST OF WORTHINGTON PUMPING ENGINES.

Location.	Capacity in U. S. Gallons.
Shreveport, La.,	2,000,000
Short Hills, N. J.,	1,000,000
Albina, Ore.,	750,000
Albina, Ore.,	750,000
Brunswick, Ga.,	2,000,000
Olympia, Wash.,	1,000,000
Olympia, Wash.,	1,000,000
Vallejo, Cal.,	1,000,000
Oldtown, Me.,	1,500,000
Massillon, Ohio,	1,000,000
Veazie, Me.,	1,500,000
Sioux Falls, Dak.,	3,000,000
St. Thomas, Ont., Canada,	2,000,000
St. Thomas, Ont., Canada,	2,000,000
Bessemer, Mich.,	1,000,000
Kansas City, Mo.,	1,500,000
Tallapoosa, Ga.,	750,000
Tallapoosa, Ga.,	750,000
Brooklyn, N. Y.,	1,500,000
Cincinnati, Ohio,	2,000,000
Brooklyn, N. Y.,	1,000,000
Crozer Iron Co.,	3,000,000
Puyallup, Wash.,	500,000
Mt. Vernon, N. Y.,	1,000,000
Sewickley, Pa.,	350,000
Richmond, Ky.,	1,000,000
Richmond, Ky.,	1,000,000
San Antonio, Tex.,	1,500,000
San Antonio, Tex.,	1,125,000
Kansas City, Kan.,	7,500,000
Albany, N. Y.,	1,000,000
American Iron Works, Pittsburgh, Pa.,	5,000,000
Fort Madison, Iowa,	1,250,000
Cooperstown, N. Y.,	1,000,000
Willard State Hospital, N. Y.,	2,000,000
*Peoria, Ill.,	7,000,000
*Peoria, Ill.,	7,000,000
*Peoria, Ill.,	7,000,000
Brockton, Mass.,	3,000,000

* High Duty Engine.

LIST OF WORTHINGTON PUMPING ENGINES.

25

Location.	Capacity in U. S. Gallons.
*Norfolk, Va., - - - - -	10,000,000
*Norfolk, Va., - - - - -	5,000,000
Portsmouth, Ohio, - - - - -	3,000,000
Monongahela Water Co., Pittsburgh, Pa., - - - - -	10,000,000
*St. Louis, Mo., - - - - -	20,000,000
*St. Louis, Mo., - - - - -	20,000,000
*Hackensack Water Co., N. J., (Weehawken), - - - - -	4,000,000
Langhorne, Pa., - - - - -	1,000,000
Mt. Tom Sulphite Pulp Co., Mass., - - - - -	4,000,000
Wellman Iron and Steel Co., Thurlow, Pa., - - - - -	4,000,000
Marquette, Mich., - - - - -	3,000,000
East Portland, Ore., - - - - -	3,000,000
Stratford, Ont., - - - - -	2,000,000
Elmhurst, Ill., - - - - -	350,000
Plainfield, N. J., - - - - -	2,000,000
Plainfield, N. J., - - - - -	3,000,000
Gravesend, N. Y., - - - - -	2,000,000
Johannesburg, South Africa, - - - - -	750,000
Johannesburg, South Africa, - - - - -	750,000
†Hong Kong, China, - - - - -	60,000
†Poona, India, - - - - -	3,000,000
†Rosario, South America, - - - - -	5,000,000
†St. Petersburg, Russia, - - - - -	4,500,000
Johannesburg, South Africa, - - - - -	250,000
†Newport, England, - - - - -	1,000,000
Ilkeston, England, - - - - -	1,000,000
*†London, England (City Sewerage), - - - - -	24,000,000
†Cirencester, England, - - - - -	150,000
*†London, England (Lambeth), - - - - -	12,000,000
†London, England, - - - - -	1,200,000
†Mexico City, Mexico, - - - - -	5,000,000
†Mexico City, Mexico, - - - - -	5,000,000
†Mexico City, Mexico, - - - - -	5,000,000
*Sydney, New South Wales, - - - - -	6,000,000
†Delhi, India, - - - - -	3,000,000
†Delhi, India, - - - - -	3,000,000
†Shrewsbury, England, - - - - -	2,500,000
Den Helder, Holland, - - - - -	600,000
Hennbont, France, - - - - -	400,000

* High Duty Engine.

† Triple Expansion Engine.

Location.	Capacity in U. S. Gallons.
Farrington, England, - - - - -	200,000
Dacca, India, - - - - -	2,000,000
Lizy-Sur-Ourcq, France, - - - - -	500,000
1891.	
Paterson, N. J., - - - - -	6,000,000
Holmesburg, Pa., - - - - -	1,000,000
Lakewood, N. J., - - - - -	750,000
Nyack, N. Y., - - - - -	750,000
Steubenville, Ohio, - - - - -	4,000,000
Mamaroneck, N. Y., - - - - -	750,000
*Shamokin, Pa., - - - - -	1,400,000
*Lowell, Mass., - - - - -	12,000,000
Thornton, Ill., - - - - -	250,000
Eagle Pass, Tex., - - - - -	1,500,000
Newton, Pa., - - - - -	500,000
*Quincy Mining Co., Mich., - - - - -	10,000,000
Tyler, Tex., - - - - -	650,000
Dawson, Ga., - - - - -	750,000
Dawson, Ga., - - - - -	300,000
Floral Park, L. I., - - - - -	100,000
Bellefonte, Pa., - - - - -	1,500,000
*Hackensack Water Co., New Milford, N. J., - - - - -	10,000,000
Hinsdale, Ill., - - - - -	750,000
Milford, Mass., - - - - -	2,250,000
Independence, Ore., - - - - -	500,000
Brookline, Mass., - - - - -	1,500,000
Quincy, Ill., - - - - -	4,000,000
Quincy, Ill., - - - - -	6,000,000
Uvalde, Tex., - - - - -	500,000
Santa Ana, Cal., - - - - -	1,000,000
Santa Ana, Cal., - - - - -	1,000,000
East Orange, N. J., - - - - -	3,000,000
Ebensburg, Pa., - - - - -	500,000
Woodbury, N. J., - - - - -	1,500,000
Pottsville, Pa., - - - - -	650,000
Columbia, S. C., - - - - -	1,500,000
Columbia, S. C., - - - - -	1,500,000
Buchanan, Va., - - - - -	500,000

* High Duty Engine.

Location.	Capacity in U. S. Gallons.
Scranton, Pa., - - - - -	2,000,000
Aberdeen, Wash., - - - - -	1,125,000
Mount Vernon, N. Y., - - - - -	1,000,000
Hancock, N. Y., - - - - -	500,000
Coshocton, Ohio, - - - - -	1,125,000
Galesburg, Ill., - - - - -	2,000,000
Amesbury, Mass., - - - - -	350,000
Americus, Ga., - - - - -	1,500,000
†World's Columbian Exposition, Chicago, Ill., - - - - -	5,000,000
*World's Columbian Exposition, Chicago, Ill., - - - - -	12,500,000
World's Columbian Exposition, Chicago, Ill., - - - - -	15,000,000
World's Columbian Exposition, Chicago, Ill., - - - - -	7,500,000
Pierre, S. D., - - - - -	1,000,000
Geneva, N. Y., - - - - -	1,500,000
*Toledo, Ohio, - - - - -	15,000,000
Tarrytown, N. Y., - - - - -	1,000,000
Madera, Cal., - - - - -	750,000
Palouse, Wash., - - - - -	600,000
Long Island City, N. Y., - - - - -	2,000,000
*Nashville, Tenn., - - - - -	10,000,000
Newburgh, N. Y., - - - - -	1,500,000
Newburgh, N. Y., - - - - -	1,500,000
La Grange, Tex., - - - - -	500,000
Petersburg, Ill., - - - - -	750,000
Sanford, Me., - - - - -	350,000
Danbury, Conn., - - - - -	1,300,000
La Porte, Ind., - - - - -	2,500,000
New Rochelle, N. Y., - - - - -	750,000
Sault Ste. Marie, Mich., - - - - -	2,500,000
New Rochelle, N. Y., - - - - -	1,250,000
New Rochelle, N. Y., - - - - -	2,000,000
Far Rockaway, N. Y., - - - - -	2,000,000
Bridgeport, Conn., - - - - -	10,000,000
Douai, France, - - - - -	2,000,000
Canterbury, England, - - - - -	1,500,000
Newcastle, Australia, - - - - -	750,000
Newcastle, Australia, - - - - -	750,000
†Reading, England, - - - - -	2,400,000
North Seaton, England, - - - - -	1,300,000

* High Duty Engine.

† Triple Expansion Engine.

Location.	Capacity in U. S. Gallons.
†Rotterdam, Holland, - - - - -	3,750,000
†Rotterdam, Holland, - - - - -	3,750,000
†Folkestone, England, - - - - -	1,575,000
†Folkestone, England, - - - - -	1,575,000
Grimsby, England, - - - - -	1,000,000
†St. Albans, England, - - - - -	850,000
†London, England (West Middlesex Co.), - - - - -	30,000,000
Sydney, New South Wales, - - - - -	500,000
†St. Petersburg, Russia, - - - - -	4,000,000
* †London, England (City Sewerage), - - - - -	22,000,000
Suffolk County Asylum, England, - - - - -	500,000
Suffolk County Asylum, England, - - - - -	500,000
†Galatz, Roumania, - - - - -	500,000
†Hubli, India, - - - - -	155,000
†Hubli, India, - - - - -	155,000
†London, England (West Middlesex Co.), - - - - -	900,000
†London, England (West Middlesex Co.), - - - - -	900,000
Paramatta, New South Wales, - - - - -	430,000
Paramatta, New South Wales, - - - - -	430,000
†Bombay, India (City Sewerage), - - - - -	18,000,000
†Bombay, India (City Sewerage), - - - - -	18,000,000
†Bombay, India (City Sewerage), - - - - -	18,000,000
†Bombay, India (City Sewerage), - - - - -	18,000,000
†Gibraltar, Gibraltar, - - - - -	1,200,000
†Kettering, England, - - - - -	870,000
†London, England (Grand Junction Co.), - - - - -	6,000,000
†Berkhampstead, England, - - - - -	690,000
1892.	
Clifton Forge, Va., - - - - -	500,000
Pasadena, Cal., - - - - -	1,250,000
Hammond, Ind., - - - - -	3,000,000
Beardstown, Ill., - - - - -	750,000
Beardstown, Ill., - - - - -	750,000
Highland Park, Ill., - - - - -	250,000
Cambridge, N. Y., - - - - -	500,000
Alliance, O., - - - - -	2,000,000
Rouse's Point, N. Y., - - - - -	1,000,000
Whittier, Cal., - - - - -	750,000
Bluefield, W. Va. - - - - -	1,000,000

*High Duty Engine.

†Triple Expansion Engine.

LIST OF WORTHINGTON PUMPING ENGINES.

29

Location.	Capacity in U. S. Gallons.
†Concord, N. H., - - - - -	2,000,000
Hudson, Wis., - - - - -	1,300,000
Royersford, Pa., - - - - -	800,000
Royersford, Pa., - - - - -	800,000
Vineyard Haven, Mass., - - - - -	1,500,000
Lapeer, Mich., - - - - -	100,000
West New Brighton, N. Y., - - - - -	350,000
Birmingham, Conn., - - - - -	1,500,000
*Philadelphia, Pa. (Spring Garden), - - - - -	20,000,000
*Lancaster, Pa., - - - - -	10,000,000
Colfax, Wash., - - - - -	1,000,000
Brooklyn, N. Y. (East New York), - - - - -	450,000
Aitkin, Minn., - - - - -	500,000
Charlevoix, Mich., - - - - -	500,000
Charlevoix, Mich., - - - - -	500,000
Long Beach, Cal., - - - - -	1,000,000
Kendallville, Ind., - - - - -	1,000,000
Hudson River State Hospital, Poughkeepsie, N. Y., - - - - -	650,000
Maquoketa, Iowa, - - - - -	1,250,000
Watkins, N. Y., - - - - -	650,000
Watkins, N. Y., - - - - -	650,000
Salem, Mass., - - - - -	3,000,000
Salem, Mass., - - - - -	3,000,000
Eugene, Ore., - - - - -	1,500,000
Whitestone, N. Y., - - - - -	1,000,000
*Marlboro, Mass., - - - - -	2,500,000
†Asheville, N. C., - - - - -	1,250,000
Asheville, N. C., - - - - -	750,000
Hudson, N. H., - - - - -	250,000
Northport, N. Y., - - - - -	250,000
Northport, N. Y., - - - - -	250,000
Cadillac, Mich., - - - - -	1,500,000
Cadillac, Mich., - - - - -	1,500,000
Schenectady Locomotive Works, N. Y., - - - - -	1,250,000
Albina, Ore., - - - - -	2,000,000
*Cleveland, O., - - - - -	15,000,000
*Erie, Pa., - - - - -	12,000,000
Glasgow, Ky., - - - - -	200,000
*Houston, Tex., - - - - -	8,000,000

*High Duty Engine.

†Triple Expansion Engine.

LIST OF WORTHINGTON PUMPING ENGINES.

Location.	Capacity in U. S. Gallons.
Ithaca, Mich., - - - - -	500,000
Ithaca, Mich., - - - - -	500,000
Caldwell, Tex., - - - - -	500,000
Baker City, Ore., - - - - -	500,000
Huntington, N. Y., - - - - -	400,000
Huntington, N. Y., - - - - -	400,000
Everett, Pa., - - - - -	500,000
Haddonfield, N. J., - - - - -	450,000
Monroe, La., - - - - -	1,250,000
Monroe, La., - - - - -	1,250,000
Pullman, Wash., - - - - -	500,000
Champaign, Ill., - - - - -	1,000,000
Bloomfield, Iowa, - - - - -	500,000
Everett, Wash., - - - - -	1,000,000
Macon, Ga., - - - - -	2,000,000
*Shamokin, Pa., - - - - -	1,500,000
Gilroy, Cal., - - - - -	500,000
Chester, Pa., - - - - -	1,250,000
Chester, Pa., - - - - -	1,250,000
Brownsville, Pa., - - - - -	1,000,000
Brooklyn, N. Y. (Ridgewood), - - - - -	5,000,000
*Monongahela Water Co., Pittsburgh, Pa., - - - - -	5,000,000
†Villaseca, Spain (Irrigation), - - - - -	7,000,000
Hautmont, France, - - - - -	275,000
†Raipur, India, - - - - -	960,000
†Raipur, India, - - - - -	960,000
†Reading, England, - - - - -	720,000
†Reading, England, - - - - -	720,000
*†London, England (New River Co.), - - - - -	5,400,000
†Kishineff, Russia, - - - - -	480,000
†Kishineff, Russia, - - - - -	290,000
†Powell Duffryn Steam Coal Co., - - - - -	1,000,000
†Warminster, England, - - - - -	400,000
†Brünn, Austria, - - - - -	1,500,000
†Zamora, Spain, - - - - -	400,000
Mymensingh, India, - - - - -	360,000
Mymensingh, India, - - - - -	360,000
*†London, England (West Surrey), - - - - -	2,600,000
†Simla, India, - - - - -	550,000

*High Duty Engine.

†Triple Expansion Engine.

LIST OF WORTHINGTON PUMPING ENGINES.

31

Location.	Capacity in U. S. Gallons.
†Simla, India, - - - - -	550,000
†Madura, India, - - - - -	600,000
†Madura, India, - - - - -	600,000
†Madura, India, - - - - -	600,000
†Burdwan, India, - - - - -	1,100,000
†Burdwan, India, - - - - -	1,100,000
†Rotterdam, Holland, - - - - -	18,000,000
†Trichinopoly, India, - - - - -	1,250,000
†Trichinopoly, India, - - - - -	1,250,000
†Trichinopoly, India, - - - - -	1,250,000
†Trichinopoly, India, - - - - -	520,000
†Trichinopoly, India, - - - - -	520,000
†Lucknow, India, - - - - -	3,000,000
†Lucknow, India, - - - - -	3,000,000
†Cawnpore, India, - - - - -	3,000,000
†Cawnpore, India, - - - - -	3,000,000
†Lucknow, India, - - - - -	3,000,000
†Lucknow, India, - - - - -	3,000,000
†Cawnpore, India, - - - - -	3,000,000
†Cawnpore, India, - - - - -	3,000,000
†Cawnpore, India, - - - - -	3,000,000
†Tanjore, India, - - - - -	850,000
†Tanjore, India, - - - - -	850,000
†Tanjore, India, - - - - -	850,000
†Sholapur, India, - - - - -	1,500,000
1893.	
Yonkers Park, N. Y., - - - - -	350,000
Far Rockaway, N. Y., - - - - -	2,000,000
Selma, Ala., - - - - -	650,000
Keyport, N. J., - - - - -	650,000
Nestor, Cal., - - - - -	1,000,000
Wilkesbarre, Pa., - - - - -	1,000,000
Wilkesbarre, Pa., - - - - -	1,000,000
Columbia, S. C., - - - - -	2,000,000
Butte, Mont., - - - - -	2,500,000
†Sayre, Pa., - - - - -	3,000,000
Frostburg, Md., - - - - -	350,000
Yuma, Arizona (Irrigation), - - - - -	1,500,000
Yuma, Arizona (Irrigation), - - - - -	1,500,000
Yuma, Arizona (Irrigation), - - - - -	1,500,000

†Triple Expansion Engine.

Location.	Capacity in U. S. Gallons.
Winnetka, Ill., - - - - -	650,000
Winnetka, Ill., - - - - -	650,000
Shamokin, Pa., - - - - -	1,250,000
Eddy, N. M., - - - - -	500,000
Athens, Ga., - - - - -	1,500,000
Athens, Ga., - - - - -	1,500,000
Flatbush, N. Y., - - - - -	5,000,000
*Brooklyn, N. Y. (Ridgewood), - - - - -	10,000,000
*Brooklyn, N. Y. (Ridgewood), - - - - -	10,000,000
*Brooklyn, N. Y. (Ridgewood), - - - - -	10,000,000
Durango, Colo., - - - - -	1,500,000
Fort Meyer, Va., - - - - -	450,000
Pocahontas, W. Va., - - - - -	1,000,000
Pocahontas, W. Va., - - - - -	1,000,000
Orange, N. J. (Sewage), - - - - -	1,250,000
Orange, N. J. (Sewage), - - - - -	1,250,000
Paulton, Pa., - - - - -	125,000
Rumson Neck, N. J., - - - - -	350,000
Cape May City, N. J., - - - - -	2,000,000
Babylon, N. Y., - - - - -	450,000
Babylon, N. Y., - - - - -	450,000
Hanford, Cal., - - - - -	1,250,000
Vicksburg, Miss., - - - - -	1,250,000
Mayfield, Ky., - - - - -	650,000
Eddy, N. M., - - - - -	500,000
Montrose, Colo., - - - - -	1,000,000
Jenkintown, Pa., - - - - -	500,000
*Manchester, N. H., - - - - -	3,000,000
*Manchester, N. H., - - - - -	3,000,000
Mahanoy City, Pa., - - - - -	1,750,000
*Baltimore, Md., - - - - -	10,000,000
Nebraska City, Neb., - - - - -	1,000,000
Livonia, N. Y., - - - - -	350,000
Shamokin, Pa., - - - - -	650,000
Frederick, Md., - - - - -	250,000
Sea Cliff, N. Y., - - - - -	350,000
Savanna, Ill., - - - - -	1,000,000
Bogota, N. J., - - - - -	250,000
San Antonio, Tex., - - - - -	1,000,000

*High Duty Engine.

LIST OF WORTHINGTON PUMPING ENGINES.

33

Location.	Capacity in U. S. Gallons.
St. Lawrence State Hospital, Ogdensburg, N. Y.,	1,000,000
Sumner, Cal.,	1,000,000
Middletown, N. Y.,	500,000
*†Providence, R. I.,	15,000,000
Bedford, Pa.,	500,000
La Salle, Ill.,	2,000,000
Bridgeport, Pa.,	1,500,000
*Montreal, Canada,	12,000,000
Lancaster, O.,	1,500,000
South Easton, Pa.,	250,000
South Milwaukee, Wis.,	750,000
South Milwaukee, Wis.,	750,000
Norfolk, Va.,	5,000,000
Tyler, Tex.,	2,000,000
Ashton-under Lyne, England,	1,000,000
Meppel, Holland,	140,000
Meppel, Holland,	140,000
*†Budapest, Hungary,	8,000,000
†Roubaix-Turcoing, France,	4,750,000
†Roubaix-Turcoing, France,	4,750,000
†Roubaix-Turcoing, France,	4,750,000
†Roubaix-Turcoing, France,	4,750,000
†Solvay Process Co., Dombasle, France,	5,500,000
Staveley Coal & Iron Co., England,	1,150,000
†Raj Wandgaon, India,	275,000
†Raj Wandgaon, India,	275,000
†London, England (Grand Junction Co.),	3,600,000
†Cardiff Steam Coal Co., Wales,	1,300,000
†Exeter, England,	480,000
†Kieff Fortress, Russia,	1,020,000
†Osaka, Japan,	4,150,000
†Osaka, Japan,	4,150,000
†Osaka, Japan,	4,150,000
†Osaka, Japan,	4,150,000
†Osaka, Japan,	4,150,000
†Ipswich, England,	2,400,000
†Singapore, Siam,	4,800,000
†Singapore, Siam,	4,800,000
†Sukkur, India,	850,000

*High Duty Engine.

†Triple Expansion Engine.

34 LIST OF WORTHINGTON PUMPING ENGINES.

Location.	Capacity in U. S. Gallons.
†Sukkur, India, - - - - -	850,000
†Kishineff, Russia, - - - - -	480,000
†Hong Kong, China (Kowloon), - - - - -	260,000
†Hong Kong, China (Kowloon), - - - - -	260,000
†Godalming, England (Sewage), - - - - -	960,000
†Godalming, England (Sewage), - - - - -	960,000
†Poole, England, - - - - -	515,000
Newark, England, - - - - -	360,000
*Montevideo, Uruguay, - - - - -	4,800,000
†Calcutta, India (Tallah), - - - - -	26,500,000
1894.	
Paoli, Pa , - - - - -	200,000
Paterson, N. J., - - - - -	6,000,000
Troy, Ala , - - - - -	750,000
Troy, Ala., - - - - -	750,000
Gainesville, Tex., - - - - -	1,000,000
Melrose, Mass., - - - - -	1,200,000
Millersburg, Pa., - - - - -	450,000
Newtown, N. Y., - - - - -	750,000
Hibbing, Minn., - - - - -	750,000
Southampton, N. Y., - - - - -	750,000
Southampton, N, Y., - - - - -	750,000
Jenkintown, Pa , - - - - -	900,000
Bay Head, N. J , - - - - -	500,000
Macon, Ga , - - - - -	2,000,000
Pana, Ill., - - - - -	750,000
Pana, Ill., - - - - -	750,000
*†Butte, Montana, - - - - -	1,500,000
†Butte, Montana, - - - - -	3,000,000
Freeport, N. Y., - - - - -	500,000
Freeport, N. Y , - - - - -	500,000
Kane, Pa., - - - - -	1,000,000
Valatie, N. Y., - - - - -	1,500,000
Glen Cove, N. Y., - - - - -	350,000
*Reading, Pa , - - - - -	10,000,000
Montreal, Canada, - - - - -	6,000,000
Scarborough, N. Y., - - - - -	150,000
Batavia, Ill., - - - - -	1,000,000
Kittanning, Pa., - - - - -	2,000,000

*High Duty Engine.

†Triple Expansion Engine.

LIST OF WORTHINGTON PUMPING ENGINES.

35

Location.	Capacity in U. S. Gallons
Butler, Pa., - - - - -	2,000,000
†New Orleans, La. (Sewage), - - - - -	6,000,000
†New Orleans, La. (Sewage), - - - - -	10,000,000
Penn Yan, N. Y., - - - - -	750,000
Penn Yan, N. Y., - - - - -	750,000
Anamosa, Iowa, - - - - -	750,000
Rosehill Cemetery, Chicago, Ill., - - - - -	2,000,000
Terrell, Texas, - - - - -	400,000
Neapolis, Va., - - - - -	500,000
Columbia City, Ind., - - - - -	1,000,000
Columbia City, Ind., - - - - -	1,000,000
Georgetown, Texas, - - - - -	1 000,000
*Knoxville, Pa., - - - - -	3,000,000
Knoxville, Pa., - - - - -	3,000,000
Mount Vernon, Va., - - - - -	100,000
Amenia N. Y., - - - - -	150,000
Eureka Springs, Ark., - - - - -	750,000
Eureka Springs, Ark., - - - - -	750,000
Ottawa, Ill., - - - - -	2,000,000
Ottawa, Ill., - - - - -	2,000,000
Summit, N. J., - - - - -	500,000
Huntington, Ind., - - - - -	2,500,000
Bellevue, Iowa, - - - - -	500,000
East Dubuque, Ill., - - - - -	750,000
Bloomington, Ill., - - - - -	4,000,000
†Jamaica, N. Y. (L. I. R. R.), - - - - -	2,000,000
†Jamaica, N. Y. (L. I. R. R.), - - - - -	2,000,000
Liberty, N. Y., - - - - -	90,000
Oak Park, Ill., - - - - -	3,000,000
Poplar Bluff, Mo., - - - - -	750,000
Poplar Bluff, Mo., - - - - -	750,000
Marengo, Iowa, - - - - -	750,000
Lodi, Wis., - - - - -	500,000
Reedsburg, Wis., - - - - -	750,000
Arcola, Ill., - - - - -	350,000
*†San Antonio, Texas, - - - - -	5,000,000
Sycamore, Ill., - - - - -	300,000
Scotland, Pa., - - - - -	500,000
Guttenburg, Iowa, - - - - -	750,000

*High Duty Engine.

†Triple Expansion Engine.

Location.	Capacity in U. S. Gallons.
Fullerton, Neb., - - - - -	750,000
Alton, Iowa, - - - - -	500,000
Wenonah, N. J., - - - - -	1,000,000
Cameron, Texas, - - - - -	750,000
Cameron, Texas, - - - - -	750,000
Baranquilla, U. S. Columbia, S. A., - - -	1,000,000
*†Budapest, Hungary, - - - - -	8,000,000
*†Budapest, Hungary, - - - - -	8,000,000
*†Paris, France (Neuilly sur Marne), - - -	2,000,000
*†Paris, France (Neuilly sur Marne), - - -	2,000,000
†Nurnberg, Germany, - - - - -	1,000,000
Solo, Java, - - - - -	150,000
Solo, Java, - - - - -	150,000
Jekaterinoder, Russia, - - - - -	1,000,000
Jekaterinoder, Russia, - - - - -	1,000,000
Jekaterinoder, Russia, - - - - -	1,000,000
†Lyons Exhibition, France, - - - - -	1,000,000
†Lyons Exhibition, France, - - - - -	1,000,000
†Gillet et Fils, Lyons, France, - - - - -	1,000,000
†Cognac, France, - - - - -	1,250,000
Toledo, Spain, - - - - -	1,000,000
†Rimanureny-Salgo-Targen Co., Ozd, Hungary, -	1,500,000
†Rimanureny-Salgo-Targen Co., Ozd, Hungary,	275,000
Victoria Docks, London, England, - - - -	2,500,000
†St. Albans, England, - - - - -	1,250,000
†Chiswick, England, - - - - -	8,650,000
†Christchurch, England - - - - -	300,000
†Secunderabad, India, - - - - -	725,000
†Secunderabad, India, - - - - -	725,000
†Epsom, England, - - - - -	725,000
†Richmond, England (Sewerage), - - - - -	14,500,000
†New Amsterdam, British Guiana, - - - -	1,200,000
Truro, England, - - - - -	725,000
†Southwestern Suburban, England, - - - -	1,200,000
†St. Petersburg, Russia, - - - - -	10,000,000
†St. Petersburg, Russia, - - - - -	10,000,000
†Bangalore, India, - - - - -	900,000
†Bangalore, India, - - - - -	900,000
†Bangalore, India, - - - - -	900,000

*High Duty Engine

†Triple Expansion Engine.

LIST OF WORTHINGTON PUMPING ENGINES.

37

Location.	Capacity in U. S. Gallons.
†Leatherhead, England, - - - - -	450,000
1895.	
Medicine Lodge, Kansas, -	750,000
Lowell, Mass., - - - - -	3,000,000
Lowell, Mass., - - - - -	3,000,000
Decatur, Mich., - - - - -	500,000
*New Haven, Conn., - - - - -	10,000,000
Cadiz, Ohio, - - - - -	750,000
Cadiz, Ohio, - - - - -	750,000
Wilkes Barre, Pa., - - - - -	1,500,000
Sewaren, N. J., - - - - -	300,000
Natick, Mass., - - - - -	2,000,000
Natick, Mass., - - - - -	1,000,000
Canal Dover, Ohio, - - - - -	750,000
Canal Dover, Ohio, - - - - -	750,000
Lakewood, N. J., - - - - -	1,000,000
Madison, Indiana, - - - - -	1,000,000
Madison, Indiana, - - - - -	1,000,000
Aylmer, Quebec, - - - - -	1,000,000
Aylmer, Quebec, - - - - -	1,200,000
Illinois Steel Co., - - - - -	3,000,000
Valley City, North Dakota, - - - - -	500,000
Tampa, Florida - - - - -	2,000,000
Newtown, L. I., N. Y., - - - - -	1,000,000
Brightwood, Indiana, - - - - -	750,000
Brightwood, Indiana, - - - - -	500,000
Minerva, Ohio, - - - - -	500,000
South Whitley, Indiana, - - - - -	500,000
South Whitley, Indiana, - - - - -	500,000
*†Haverhill, Mass., - - - - -	8,000,000
St. Louis, Mo., - - - - -	500,000
Brownsville, Tenn., - - - - -	500,000
Homestead, Pa., - - - - -	3,000,000
Victoria, Texas, - - - - -	1,500,000
Harlan, Iowa, - - - - -	700,000
Moundsville, W. Va., - - - - -	1,000,000
Del Rio, Texas, - - - - -	700,000
Illinois Steel Co., - - - - -	3,000,000
Fayetteville, Arkansas, - - - - -	500,000

*High Duty Engine.

†Triple Expansion Engine.

Location.	Capacity in U. S. Gallons.
Milledgeville, Ga.,	1,000,000
Montgomery, N. Y.,	750,000
*†Brooklyn, N. Y.,	20,000,000
*†Brooklyn, N. Y.,	20,000,000
*†Brooklyn, N. Y.,	20,000,000
Morgan Park, Illinois,	500,000
Lisbon, Ohio,	1,250,000
Santa Clara, Cal.,	1,250,000
Santa Clara, Cal.,	1,250,000
Kansas City, Mo (Stock Yards),	1,000,000
Kansas City, Mo. (Stock Yards),	1,000,000
Canton, Md.,	1,000,000
Canton, Md.,	1,000,000
Antwerp, N. Y.,	860,000
Illinois Steel Co.,	3,000,000
Houston, Texas,	500,000
Houston, Texas,	500,000
Rockville Centre, N. Y.,	500,000
Decatur, Indiana,	1,500,000
Decatur, Indiana,	1,500,000
Amesbury, Mass.,	2,000,000
Owego, N. Y.,	1,000,000
Ballard, Washington,	1,000,000
Wellsville, Ohio,	1,500,000
†Moorehead, Minn.,	1,000,000
Troy, Alabama,	1,000,000
Maywood, Illinois,	750,000
Monticello Indiana,	750,000
Monticello, Indiana,	750,000
Curwensville, Pa.,	750,000
Moosic, Pa.,	1,500,000
North Vernon, Indiana,	750,000
Shullsburg, Wis ,	500,000
Montpelier, Ohio,	750,000
Montpelier, Ohio,	750,000
Waterford, N. Y.,	1,250,000
Jasper, Ind ,	750,000
Argenta, Arkansas,	400,000
Argenta, Arkansas,	400,000

*High Duty Engine.

†Triple Expansion Engine.

LIST OF WORTHINGTON PUMPING ENGINES.

39

Location.	Capacity in U. S. Gallons.
Logan, Ohio, - - - - -	1,000,000
Logan, Ohio, - - - - -	1,000,000
Sonyea, N. Y., - - - - -	1,000,000
Sonyea, N. Y., - - - - -	175,000
†Troy Steel Co., Troy, N. Y., - - - - -	7,000,000
Carrollton, Ohio, - - - - -	750,000
Carrollton, Ohio, - - - - -	750,000
Danville, Pa., - - - - -	2,000,000
Wilkes Barre, Pa., - - - - -	1,000,000
Wilkes Barre, Pa., - - - - -	1,000,000
*Mount Vernon, N. Y., - - - - -	4,500,000
Lansingburgh, N. Y., - - - - -	750,000
Hillsboro, Texas, - - - - -	500,000
Attica, Indiana, - - - - -	750,000
Attica, Indiana, - - - - -	750,000
Fort Reno, O. T., - - - - -	500,000
Norwich, N. Y., - - - - -	750,000
Milford, Mich , - - - - -	750,000
Milford, Mich , - - - - -	750,000
Sigourney, Iowa, - - - - -	500,000
Elmira, N. Y., - - - - -	400,000
Albion, Indiana, - - - - -	500,000
Albion, Indiana, - - - - -	500,000
Perry, N. Y., - - - - -	1,000,000
Perry, N. Y., - - - - -	1,000,000
Cedar Rapids, Iowa, - - - - -	3,000,000
Cedar Rapids, Iowa, - - - - -	3,000,000
Wilkes Barre, Pa., - - - - -	1,000,000
Wilkes Barre, Pa., - - - - -	1,000,000
Yonkers, N. Y , - - - - -	1,500,000
Canton, Miss., - - - - -	1,000,000
Canton, Miss , - - - - -	1,000,000
Scranton, Pa , - - - - -	10,000,000
Lockport, Illinois, - - - - -	1,000,000
Lockport, Illinois, - - - - -	1,000,000
†Raleigh, N. C., - - - - -	1,250,000
Grand Marais, Mich , - - - - -	1,000,000
Fort Madison, Iowa, - - - - -	3,000,000
Theresa, N. Y , - - - - -	860,000

*High Duty Engine.

†Triple Expansion Engine.

Location.	Capacity in U. S. Gallons.
Pine Bluff, Ark.,	1,000,000
Rushville, Indiana,	1,500,000
Rushville, Indiana,	1,500,000
Wadsworth, Ohio,	225,000
Cabery, Illinois,	200,000
Reading, Mass ,	1,500,000
Orange, N. J ,	400,000
Algiers, La.,	3,000,000
Algiers, La.,	3,000,000
Hazleton, Pa.,	2,000,000
Abilene, Kansas,	1,000,000
Talmage, Nebraska,	500,000
Ennis, Texas,	500,000
Illinois Steel Co.,	3,000,000
Berwick, Pa.,	1,500,000
*†Budapest, Hungary,	8,250,000
*†Budapest, Hungary,	8,250,000
†Leon, Nicaragua,	525,000
†Leon, Nicaragua,	525,000
†Budapest Hungary,	550,000
*†Budapest, Hungary,	8,000,000
†Bankallas. Ozd, Hungary,	1,000,000
†Bankallas, Ozd, Hungary,	1,750,000
*†London, England (West Middlesex Co.),	20,000,000
†Kew Gardens, London, England,	850,000
East Worcester, England,	500,000
†New Jagersfontein Mining & Exploration Co.,	300,000
†Barry, England,	600,000
†Johannesburg, South Africa,	1,200,000
†Johannesburg, South Africa,	1,200,000
†Johannesburg, South Africa,	1,200,000
†Johannesburg, South Africa,	1,200,000
†William Eyre & Nephew,	575,000
†Arad, Hungary,	1,000,000
†Arad, Hungary,	1,000,000
1896.	
Duquesne, Pa.,	1,500,000
Duquesne, Pa.,	1,500,000
Mt. Joy, Pa.,	1,000,000

*High Duty Engine.

†Triple Expansion Engine.

Location.	Capacity in U. S. Gallons.
Syracuse, Neb ,	500,000
Moundsville, W. Va.,	1,000,000
Columbia, Mo.,	1,250,000
Elmira (N. Y.), Industrial Association,	1,000,000
*New Rochelle, N. Y.	3,500,000
†Jacksonville, Florida,	5,000,000
†Jacksonville, Florida,	5,000,000
Maywood, Illinois,	750,000
San Jacinto, Cal.,	1,500,000
†Riverside, Illinois,	875,000
Riverside, Illinois,	875,000
Far Rockaway, N. Y.	4,000,000
Greenville, Miss.,	1,250,000
Greenville, Miss.,	1,250,000
*†York, Pa.,	5,000,000
*†York, Pa.,	5,000,000
Denison, Texas,	2,500,000
Liberty, N. Y.,	500,000
Swampscott, Mass.,	750,000
Ithaca, N. Y.,	1,000,000
Machias, Maine,	1,000,000
†Butte, Mont.,	3,000,000
Long Island City, N. Y.,	2,000,000
Dublin, Ga.,	500,000
Dublin, Ga.,	500,000
†Brooklyn, N. Y. (Sewage),	10,000,000
†Brooklyn, N. Y. (Sewage),	10,000,000
Charlotte, N. C.,	2,000,000
Westerly, R. I.,	1,000,000
Westerly, R. I.,	1,000,000
Crestline, Ohio,	1,000,000
Red Hook, N. Y.,	500,000
Bremen, Ind.,	750,000
Eufaula, Ala.,	1,000,000
Eufaula, Ala.,	1,000,000
Trenton, Tenn.,	500,000
Winterport, Maine,	750,000
Trenton, Mich.,	500,000
Brooklyn, N. Y.,	3,000,000

*High Duty Engine. †Triple Expansion Engine.

LIST OF WORTHINGTON PUMPING ENGINES.

Location.	Capacity in U. S. Gallons
Brooklyn, N. Y., - - - - -	3,000,000
Katonah, N. Y., - - - - -	200,000
East Providence, R. I., - - - - -	1,000,000
East Providence, R. I., - - - - -	1,000,000
Long Island City, N. Y., - - - - -	2,500,000
Log Cabin Park, Detroit, Mich., - - - - -	1,000,000
South Glens Falls, N. Y., - - - - -	750,000
South Glens Falls, N. Y., - - - - -	750,000
†Binghamton, N. Y., - - - - -	1,500,000
Iowa School for Deaf, Council Bluffs, Iowa, - - - - -	350,000
West Asbury Park, N. J., - - - - -	2,000,000
West Asbury Park, N. J., - - - - -	2,000,000
Clarksville, Tenn., - - - - -	1,500,000
Owego, N. Y., - - - - -	1,500,000
¶Littleton, N. H., - - - - -	750,000
Long Island City, N. Y., - - - - -	1,500,000
Trenton, Tenn., - - - - -	500,000
Hempstead, N. Y., - - - - -	2,000,000
New Martinsville, W. Va., - - - - -	500,000
New Martinsville, W. Va., - - - - -	500,000
*Toledo, Ohio, - - - - -	15,000,000
LeRoy, N. Y., - - - - -	750,000
LeRoy, N. Y., - - - - -	750,000
Victoria, Texas, - - - - -	1,500,000
Skaneateles, N. Y., - - - - -	750,000
†North Sydney, C. B., Nova Scotia, - - - - -	1,400,000
McKeesport, Pa., - - - - -	4,000,000
McKeesport, Pa., - - - - -	4,000,000
Havre de Grace, Md., - - - - -	300,000
Portsmouth, N. H., - - - - -	3,000,000
†Waco, Texas, - - - - -	3,000,000
†Newtown, N. Y., - - - - -	3,000,000
†Newtown, N. Y., - - - - -	3,000,000
Benares, India, - - - - -	500,000
Benares, India, - - - - -	500,000
Benares, India, - - - - -	600,000
Clacton-on-Sea, England, - - - - -	600,000
Clacton-on-Sea, England, - - - - -	600,000
†Budweis, Bohemia, - - - - -	1,000,000

*High Duty Engine. †Triple Expansion Engine. ¶Power Pump.

Location.	Capacity in U. S. Gallons.
Halluim, France, - - - - -	1,000,000
Villers-Cotterets, France, - - - - -	400,000
Bruxelles, Belgium, - - - - -	950,000
Bruxelles, Belgium, - - - - -	400,000
†Bexhill, England, - - - - -	400,000
†Wied-el-Kbir, Egypt, - - - - -	1,200,000
†Gozzo, Malta, - - - - -	200,000
†Bhagalpur, India, - - - - -	1,000,000
†Bhagalpur, India, - - - - -	1,000,000
Southampton, England, - - - - -	3,600,000
Southampton, England, - - - - -	3,600,000
Southampton, England, - - - - -	3,600,000
†Calcutta, India, - - - - -	10,800,000
†Calcutta, India, - - - - -	10,800,000
†Calcutta, India, - - - - -	10,800,000
†Calcutta, India, - - - - -	10,800,000
†Georgetown, Demerara, - - - - -	3,600,000
†Windsor Castle, England, - - - - -	900,000
Nottingham, England, - - - - -	500,000
†Port Elizabeth, South Africa, - - - - -	600,000
Carlton Iron Co., England, - - - - -	2,750,000
Malton, England, - - - - -	750,000
†Godalming, England, - - - - -	1,200,000
†Godalming, England, - - - - -	1,200,000
†Hyderabad, India, - - - - -	2,250,000
†Hyderabad, India, - - - - -	2,250,000
†Hampton, England, - - - - -	8,500,000
†Christchurch, England, - - - - -	700,000
†Surat, India, - - - - -	3,000,000
†Surat, India, - - - - -	3,000,000
*†Kahuku Plantation, Oahu, H. I., - - - - -	12,000,000
*†Pioneer Plantation, Maui, H. I., - - - - -	9,000,000

1897.

Forsyth, Ga., - - - - -	500,000
Forsyth, Ga., - - - - -	500,000
Dothan, Alabama, - - - - -	500,000
Buchanan, Mich., - - - - -	1,500,000
Abbeville, S. C., - - - - -	500,000

*High Duty Engine.

†Triple Expansion Engine.

Location.	Capacity in U. S. Gallons.
†Columbia, Pa.,	2,250,000
*†Chicago, Ill.,	20,000,000
*†Chicago, Ill.,	20,000,000
*†Chicago, Ill.,	20,000,000
*†Chicago, Ill.,	20,000,000
*†Chicago, Ill.,	20,000,000
*†Chicago, Ill.,	20,000,000
*†Baltimore, Md.,	17,500,000
*†Baltimore, Md.,	17,500,000
*†Baltimore, Md.,	10,000,000
Eatonton, Ga.,	750,000
Eatonton, Ga.,	750,000
¶Fresno, California,	4,000,000
Newberry, S. C.,	1,000,000
Laurens, S. C.,	750,000
Elyria, Ohio,	1,500,000
Morristown, N. J.,	750,000
*Lafayette, Ind ,	6,000,000
†Franklin, Penn.,	1,500,000
Eutaw, Ala.,	340,000
Eutaw, Ala.,	340,000
Grenada, Miss.,	750,000
Grenada, Miss.,	750,000
West Point, Miss ,	750,000
West Point, Miss ,	750,000
Belmar, N. J.,	750,000
Beaumont, Texas,	1,500,000
Covington, Tenn.,	500,000
†Bellevue, Pa.,	2,000,000
Fostoria, Ohio,	1,340,000
Bentonville, Ark.,	500,000
*†Kaanapali, H. I ,	4,579,000
*†Kaanapali, H. I ,	3,050,000
*Kaanapali, H. I.,	3,050,000
Hillsboro, Texas,	500,000
Chester, S. C.,	750,000
Stapleton, N. Y.,	1,800,000
Hermosillo, Mexico,	750,000
Jefferson Barracks, Mo.,	526,000

*High Duty Engine. †Triple Expansion Engine. ¶Power Pump.

LIST OF WORTHINGTON PUMPING ENGINES.

45

Location.	Capacity in U. S. Gallons.
†Belleville, Ill., - - - - -	2,000,000
Brookhaven, Miss., - - - - -	750,000
Brookhaven, Miss., - - - - -	750,000
¶Perth, Canada, - - - - -	1,008,000
Perth, Canada, - - - - -	1,008,000
New Dorp, N. Y., - - - - -	720,000
Patton, Pa., - - - - -	750,000
McMinnville, Tenn., - - - - -	750,000
McMinnville, Tenn., - - - - -	750,000
¶Austin, Texas, - - - - -	4,000,000
†Shreveport, La., - - - - -	3,000,000
Bellevue, Pa., - - - - -	2,000,000
Tower City, Pa., - - - - -	500,000
Monticello, Fla., - - - - -	500,000
Hatboro, Pa., - - - - -	500,000
West New Brighton, N. Y., - - - - -	500,000
Carthagè, Mo., - - - - -	2,000,000
†Tarrytown, N. Y., - - - - -	2,000,000
Vandalia, Ill., - - - - -	500,000
Tottenville, N. Y., - - - - -	500,000
Yonkers, N. Y., - - - - -	2,500,000
Davis, W. Va., - - - - -	1,200,000
†Kaanapali, H. I., - - - - -	3,000,000
Argos, Ind., - - - - -	500,000
Union, S. C., - - - - -	1 080,000
Monessen, Pa., - - - - -	1 500,000
¶Summerville, Ga., - - - - -	144,000
Statesville, N. C., - - - - -	750,000
Statesville, N. C., - - - - -	750,000
Crowley, La., - - - - -	600,000
Crowley, La., - - - - -	600,000
Albina, Ore., - - - - -	2,500,000
Elizabeth, N. J., - - - - -	6,000,000
Hobart, Ind., - - - - -	750,000
Tarrytown, N. Y., - - - - -	2,000,000
Gas City, Ind., - - - - -	1,000,000
Gas City, Ind., - - - - -	1,000,000
Grossburgh, Germany, - - - - -	115,000
Danzig, Germany, - - - - -	900,000

*High Duty Engine.

†Triple Expansion Engine.

¶Power Pump.

Location.	Capacity in U. S. Gallons.
Danzig, Germany, - - - - -	900,000
Schoenbeck, Germany, - - - - -	600,000
Schoenbeck, Germany, - - - - -	600,000
†Para, S. A., - - - - -	1,900,000
†Para, S. A., - - - - -	1,900,000
†Witkowitz Iron Works, Austria, - - - - -	1,540,000
Wilconnia, N. S. W., - - - - -	500,000
Richmond, Eng., - - - - -	520,000
Richmond, Eng., - - - - -	520,000
†Bangalore, India, - - - - -	1,201,000
†Bangalore, India, - - - - -	1,201,000
†Calcutta, India, - - - - -	13,825,000
†Calcutta, India, - - - - -	13,825,000
Bond's Main Colliery, Eng., - - - - -	346,000
†Glenhuir, Africa, - - - - -	1,200,000
†Ipswich, Eng., - - - - -	2,400,000
†Eastbourne, Eng., - - - - -	1,200,000
†Frimley & Farnborough, Eng., - - - - -	460,000
†Hemel Hempstead, Eng., - - - - -	870,000
†Manchester, Sheffield & Lincolnshire Ry., - - - - -	520,000
†Leatherhead, Eng., - - - - -	435,000
†Dover Collieries, Eng., - - - - -	1,725,000
†Dover Collieries, Eng., - - - - -	1,725,000
†High Wycombe, Eng., - - - - -	600,000
†Freemantle, W. Australia, - - - - -	900,000
†Freemantle, W. Australia, - - - - -	900,000
†Watford Sewerage, Eng., - - - - -	1,730,000
Skinnui Coal Mine, Japan, - - - - -	2,080,000
Skinnui Coal Mine, Japan, - - - - -	2,080,000
Ona Ura Coal Mine, Japan, - - - - -	870,000
†Rosario, Argentine, - - - - -	4,800,000
†London, Eng., - - - - -	20,000,000
†London, Eng., - - - - -	20,000,000
†London, Eng., - - - - -	20,000,000
†London, Eng., - - - - -	20,000,000
†London, Eng., - - - - -	20,000,000
†Rosenkrantz, Russia, - - - - -	2,600,000
†Kropf, Hungary, - - - - -	1,039,000
†San Fernandez, S. A., - - - - -	216,000

*High Duty Engine.

†Triple Expansion Engine.

LIST OF WORTHINGTON PUMPING ENGINES.

47

Location.	Capacity in U. S. Gallons.
†San Fernandez, S. A., - - - - -	216,000
1898.	
*Ehret and Ruppert Breweries, N. Y. City, - -	6,000,000
†Macon, Ga., - - - - -	5,000,000
Macon, Ga., - - - - -	5,000,000
†Santa Paula, Cal., - - - - -	3,456,000
Athens, Tenn., - - - - -	420,000
Lumberton, N. C., - - - - -	396,000
Lumberton, N. C., - - - - -	396,000
Scranton, Miss., - - - - -	750,000
Scranton, Miss., - - - - -	750,000
*Cedar Rapids, Ia., - - - - -	5,000,000
†Los Angeles, Cal., - - - - -	3,000,000
Hot Springs, Ark., - - - - -	1,000,000
†Springfield, Ill., - - - - -	8,000,000
†Jennings, La., - - - - -	48,000,000
Warren, Pa., - - - - -	2,000,000
Charlottesville, Va., - - - - -	1,000,000
Goliad, Texas, - - - - -	750,000
¶Salem, N. C., - - - - -	188,000
St. Charles, Ill., - - - - -	1,440,000
†Sarnia, Ont., - - - - -	3,500,000
†Irvington, N. Y., - - - - -	1,000,000
Fargo, N. D., - - - - -	3,000,000
Port Jefferson, N. Y., - - - - -	250,000
Orange, Texas, - - - - -	750,000
Orange, Texas, - - - - -	750,000
†Rat Portage, Ont., - - - - -	1,500,000
†Rat Portage, Ont., - - - - -	1,500,000
¶Pittsford, N. Y., - - - - -	144,000
*Erie, Pa., - - - - -	8,000,000
Stuttgart, Ark., - - - - -	500,000
Ithaca, N. Y., - - - - -	2,000,000
*†Honolulu Sugar Co. H. I., - - - - -	9,000,000
Calhoun, Ga., - - - - -	500,000
Danville, Pa., - - - - -	3,000,000
Bound Brook, N. J., - - - - -	500,000
Yorkville, S. C., - - - - -	500,000

*High Duty Engine. †Triple Expansion Engine. ¶Power Pump.

Location.	Capacity in U. S. Gallons.
Demopolis, Ala.,	575,000
Washington, Ind.,	3,000,000
Memphis, Tenn.,	1,391,000
Memphis, Tenn.,	1,391,000
Washington, Ga.,	1,000,000
Vicaville, Cal.,	500,000
Memphis, Tenn.,	1,757,000
Latrobe, Pa.,	3,000,000
Rosendale, N. Y.,	150,000
Fitzgerald, Ga.,	500,000
Fitzgerald, Ga.,	500,000
Newton, N. Y.,	2,000,000
Fishkill, N. Y.,	1,282,000
Batesville, Ark.,	500,000
Salem, N. J.,	1,000,000
Pineville, Ky.,	420,000
†Huntsville, Ala.,	3,000,000
†Hawi, H. I.,	1,000,000
Brownsville, Pa.,	1,000,000
East Orange, N. J.,	3,000,000
†Carnegie Steel Co., Pa.,	7,500,000
†Lahaina, H. I.,	3,000,000
*†Kaanapali, H. I.,	3,500,000
*†Oahu, H. I.,	8,000,000
*†Oahu, H. I.,	8,000,000
†Sioux Falls, S. D.,	4,000,000
*†Lahaina, H. I.,	5,750,000
*†Lahaina, H. I.,	5,000,000
Tuscaloosa, Ala.,	1,303,000
¶Oakland, Me.,	634,000
†Newtown, N. Y.,	4,000,000
Paragould, Ark.,	750,000
Paragould, Ark.,	750,000
Melrose Park, Ill.,	750,000
*†Kihei, H. I.,	6,000,000
*†Kihei, H. I.,	6,000,000
Greensboro, Ga.,	500,000
Greensboro, Ga.,	500,000
¶Austin, Texas.,	6,000,000

*High Duty Engine. †Triple Expansion Engine. ¶Power Pump.

LIST OF WORTHINGTON PUMPING ENGINES.

49

Location.	Capacity in U. S. Gallons.
Huntington, W. Va.,	2,500,000
Huntington, W. Va.,	2,500,000
†Red Wing, Minn.,	500,000
Rock Hill, S. C.,	500,000
Rock Hill, S. C.,	500,000
†Mt. Clemens, Mich.,	3,000,000
Charlotte, N. Y.,	400,000
Charlotte, N. Y.,	400,000
*Mobile, Ala.,	6,000,000
*Mobile, Ala.,	6,000,000
Andover, Mass.,	108,000
West Tampa, Fla.,	750,000
West Tampa, Fla.,	750,000
Shawnee, Okl.,	750,000
Shawnee, Okl.,	750,000
Titaghur Jute Factory, India,	4,320,000
†Koffyfontein Mines, South Africa,	400,000
†Naini Tal, India,	114,000
†Naini Tal, India,	114,000
†Naini Tal, India,	114,000
†Eastbourne (Bedford Well), England,	1,152,000
Conjeeveram, India,	1,701,000
Conjeeveram, India,	1,701,000
Wardha, India,	260,000
Wardha, India,	260,000
Wardha, India,	260,000
Wardha, India,	260,000
Berhampore, India,	720,000
Berhampore, India,	720,000
Berhampore, India,	576,000
Bhandara, India,	516,000
Bhandara, India,	516,000
Dagshai, India,	361,000
Dagshai, India,	361,000
Cliveden, England,	216,000
Cliveden, England,	216,000
†New Hunstanton, England,	576,000
*†Portsmouth, England,	12,000,000
Powell Duffryn Steam Coal Company,	864,000

*High Duty Engine.

†Triple Expansion Engine.

Location.	Capacity in U. S. Gallons.
Australian Agricultural Company, - - - -	785,000
Australian Agricultural Company, - - - -	785,000
†Isle of Jersey, England, - - - -	1,152,000
†East Worcestershire, England, - - - -	216,000
Ilkeston, England, - - - -	1,728,000
†St. Albans, England, - - - -	2,304,000
*†East London, England, - - - -	12,000,000
†Hyderabad (Gidu Bunder), India, - - - -	2,247,000
†Hyderabad (Gidu Bunder), India, - - - -	2,247,000
*†Luton, England, - - - -	3,000,000
†Barnet, England, - - - -	1,200,000
†Simla, India, - - - -	288,000
†Krompach, Hungary, - - - -	1,150,000
Sille Le Guillaume, France, - - - -	121,000
†Tiflis, Trans-Caucasia, - - - -	1,555,000
†Hrabova, Moravia, - - - -	1,520,000
†London, England, - - - -	7,560,000
†Tiflis, Trans-Caucasia, - - - -	389,000
†Tiflis, Trans-Caucasia, - - - -	389,000
*†Rotterdam, Holland, Sewage, - - - -	9,500,000
*†Rotterdam, Holland, Sewage, - - - -	9,500,000
*†Rotterdam, Holland, Sewage, - - - -	9,500,000
*†Rotterdam, Holland, Sewage, - - - -	9,500,000
†Paris-Lyons-Marseilles Ry., Paris, France, - - - -	760,000
†Barranquilla, S. A., - - - -	1,253,000
*†Budapest, Hungary, - - - -	7,900,000
Soc. des Mines de Malfidana, Paris, France, - - - -	4,561,000
Besancon, France, - - - -	750,000
¶Vervins, France, - - - -	150,000
Dissgyor Iron and Steel Works, Hungary, - - - -	4,000,000

1899.

Wamego, Kansas, - - - -	720,000
Wamego, Kansas, - - - -	720,000
Millvale, Pa., - - - -	2,000,000
Brunswick, Ga., - - - -	2,000,000
†Carnegie Steel Co., Pa., - - - -	7,500,000
†Kaneohe, H. I., - - - -	15,000,000
Washington, Ga., - - - -	1,000,000

*High Duty Engine. †Triple Expansion Engine. ¶Power Pump.

LIST OF WORTHINGTON PUMPING ENGINES.

51

Location.	Capacity in U. S. Gallons.
Gallipolis, O., - - - - -	840,000
†Gallipolis, O., - - - - -	2,000,000
¶Morenci, Arizona, - - - - -	144,000
¶Morenci, Arizona, - - - - -	172,800
¶Waianae, H. I., - - - - -	6,000,000
*†American Sugar Co., Molokai, H. I., - - - - -	5,000,000
*†American Sugar Co., Molokai, H. I., - - - - -	5,000,000
†Far Rockaway, N. Y., - - - - -	4,000,000
McLeansboro, Ill., - - - - -	750,000
Jonesboro, Ark., - - - - -	1,000,000
Jonesboro, Ark., - - - - -	1,000,000
Tuskegee, Ala., - - - - -	468,000
Tuskegee, Ala., - - - - -	468,000
†Springville, N. Y., - - - - -	1,500,000
†Springville, N. Y., - - - - -	1,500,000
Summit, N. J., - - - - -	750,000
†Los Angeles Ranch Co., Cal., - - - - -	4,000,000
Richmond, Me., - - - - -	720,000
Girard, Kansas, - - - - -	750,000
Palestine, Texas, - - - - -	2,000,000
Palestine, Texas, - - - - -	2,000,000
Arkadelphia, Ark., - - - - -	750,000
Bristol, Tenn., - - - - -	500,000
Englewood, N. J., - - - - -	250,000
National City, Cal., - - - - -	2,500,000
Reidsville, N. C., - - - - -	900,000
Reidsville, N. C., - - - - -	300,000
Hintonburgh, Ont., - - - - -	576,000
Hintonburgh, Ont., - - - - -	1,000,000
†Paris, Texas, - - - - -	3,000,000
*Winnipeg, Manitoba, - - - - -	6,000,000
*†Winnipeg, Manitoba, - - - - -	6,000,000
**Philadelphia, Pa., - - - - -	5,000,000
**Philadelphia, Pa., - - - - -	5,000,000
†Pioneer Mill Co., Lahiana, H. I., - - - - -	3,000,000
Mankato, Kansas, - - - - -	500,000
Saticoy, Cal., - - - - -	750,000
Gaffney, S. C., - - - - -	720,000
**Elmira, N. Y., - - - - -	7,500,000

*High Duty. **High Ratio High Duty. †Triple Expansion. ¶Power Pump.

LIST OF WORTHINGTON PUMPING ENGINES.

Location.	Capacity in U. S. Gallons.
Matteawan State Hospital, N. Y.,	240,000
Newton, Kansas,	2,000,000
†West Superior, Wis.,	5,000,000
Clarksville, Tenn.,	2,000,000
Memphis, Tenn.,	2,000,000
*†Kamalo, H. I.,	8,000,000
Monroe, N. C.,	500,000
Monroe, N. C.,	500,000
Mena, Ark.,	500,000
Mena, Ark.,	500,000
Marianna, Ark.,	600,000
Clinton, Ia.,	2,000,000
St. Petersburg, Fla.,	500,000
Hornellsville, N. Y.,	500,000
Norfolk, Va.,	1,728,000
Grand Marais, Mich.,	1,500,000
Flatbush, N. Y.,	7,000,000
Benwood, W. Va.,	1,500,000
Litchfield, Conn.,	250,000
Blythebourne, N. Y.,	1,512,000
Philadelphia, Pa.,	3,500,000
Plymouth, N. H.,	250,000
**Philadelphia, Pa. (Roxboro'),	5,000,000
**Philadelphia, Pa. (Roxboro'),	5,000,000
**Philadelphia, Pa. (Roxboro', H. S.)	5,000,000
**Philadelphia, Pa. (Belmont, H. S.)	5,000,000
†Natchez, Miss.,	2,000,000
†Omaha, Nebr.,	6,000,000
Port Jervis, N. Y.,	500,000
Long Beach Development Co., Cal.	864,000
Long Beach Development Co., Cal.	864,000
Claremont, N. H.,	576,000
Blairsville, Pa.,	576,000
*†American Sugar Co., Molokai, H. I.,	9,500,000
*†American Sugar Co., Molokai, H. I.,	9,500,000
¶Willimantic, Conn.,	1,728,000
Hawi, H. I.,	1,000,000
Tybee Island, Ga.,	180,000
Grand Junction, Colo.,	1,500,000

*High Duty. **High Ratio High Duty. †Triple Expansion. ¶Power Pump.

Location.	Capacity in U. S. Gallons.
Elizabeth, N. J., - - - - -	10,000,000
Sherman, Texas, - - - - -	1,000,000
Hoosick Falls, N. Y., - - - - -	125,000
Summerville, Ga., - - - - -	720,000
Pittsburg, Kansas, - - - - -	1,750,000
Houlton, Me., - - - - -	1,000,000
Bainbridge, Ga., - - - - -	750,000
Bainbridge, Ga., - - - - -	750,000
Madison, Nebr., - - - - -	800,000
†Cambria Steel Co., Pa., - - - - -	12,000,000
†Cambria Steel Co., Pa., - - - - -	12,000,000
Hartford, Conn., - - - - -	2,500,000
Hartford, Conn., - - - - -	2,500,000
Baraboo, Wis., - - - - -	1,440,000
†Amiens, France, - - - - -	1,607,040
†Ryde, Isle of Wight, Eng., - - - - -	1,728,000
Ryde, Isle of Wight, Eng., - - - - -	518,400
†Maidstone, Eng., - - - - -	864,000
*†Paris Exposition, - - - - -	12,000,000
*†Paris Exposition, - - - - -	12,000,000
*†Paris Exposition, - - - - -	12,000,000
*†Paris Exposition, - - - - -	12,000,000
†Adelaide, Aus., - - - - -	691,200
†Adelaide, Aus., - - - - -	375,840
†Saargemund Sta. Alsace Lorraine, - - - - -	760,000
†Saargemund Sta. Alsace Lorraine, - - - - -	760,000
†Nurnberg, Germany, - - - - -	3,859,200
†Egham, Eng., - - - - -	2,424,000
*†West Middlesex, Eng. (London), - - - - -	3,600,000
†Imphy, France, - - - - -	1,140,480
†Mazatlan, Mexico, - - - - -	2,390,400
†Osaka, Japan, - - - - -	3,456,000
†Osaka, Japan, - - - - -	3,456,000
†Wittkowitz, Austria, - - - - -	1,261,440
†Wittkowitz, Austria, - - - - -	1,261,440
*Nuremberg, Germany, - - - - -	2,280,960
†Bilbao, Spain, - - - - -	2,964,000
†Bilbao, Spain, - - - - -	2,964,000
†Sawod, Russia, - - - - -	1,120,000

*High Duty.

†Triple Expansion.

Location.	Capacity in U. S. Gallons.
†Messrs. Siemens & Halske, Mexico, - - -	4,579,200
†St. Etienne, France, - - - - -	1,140,480
†Barry Urban Dist. Cl. Wales, - - - - -	1,200,000
†Lahore, India, - - - - -	2,880,000
†Berkhampstead, Eng., - - - - -	1,040,600
Powell Duffryn Stm. Coal Co., South Wales, - -	777,600
†Watford Sewage, Eng., - - - - -	1,728,000
†Folkestone, Eng., - - - - -	1,200,000
†Warrington, Eng., - - - - -	600,000
†Henley-on-Thames, Eng., - - - - -	720,000
†Frimley & Farnboro', Eng., - - - - -	576,000
Windsor Colliery, Wales, - - - - -	432,000
†Broken Hill, N. S. W., - - - - -	691,200
†Goteborg, Sweden, - - - - -	9,590,400
†Goteborg, Sweden, - - - - -	9,590,400

†Triple Expansion.

To January 1st 1900, the total contract pumping capacity of Worthington Pumping Engines, the location of which is shown in the foregoing list, is five billion, one hundred and twenty-seven million, two hundred and seventy-two thousand (5,127,272,000) U. S. gallons in twenty-four hours.

In addition to the above, about fifty Worthington Oil Line Pumping Engines (seven of which are of the High Duty type), having an aggregate daily capacity of more than 60,000,000 gallons, against a head ranging from 1,500 to 2,800 feet, have been built for the New York Transit Co.'s Pipe Lines.

