

Louis Wanner Engineering Co.

(1911)

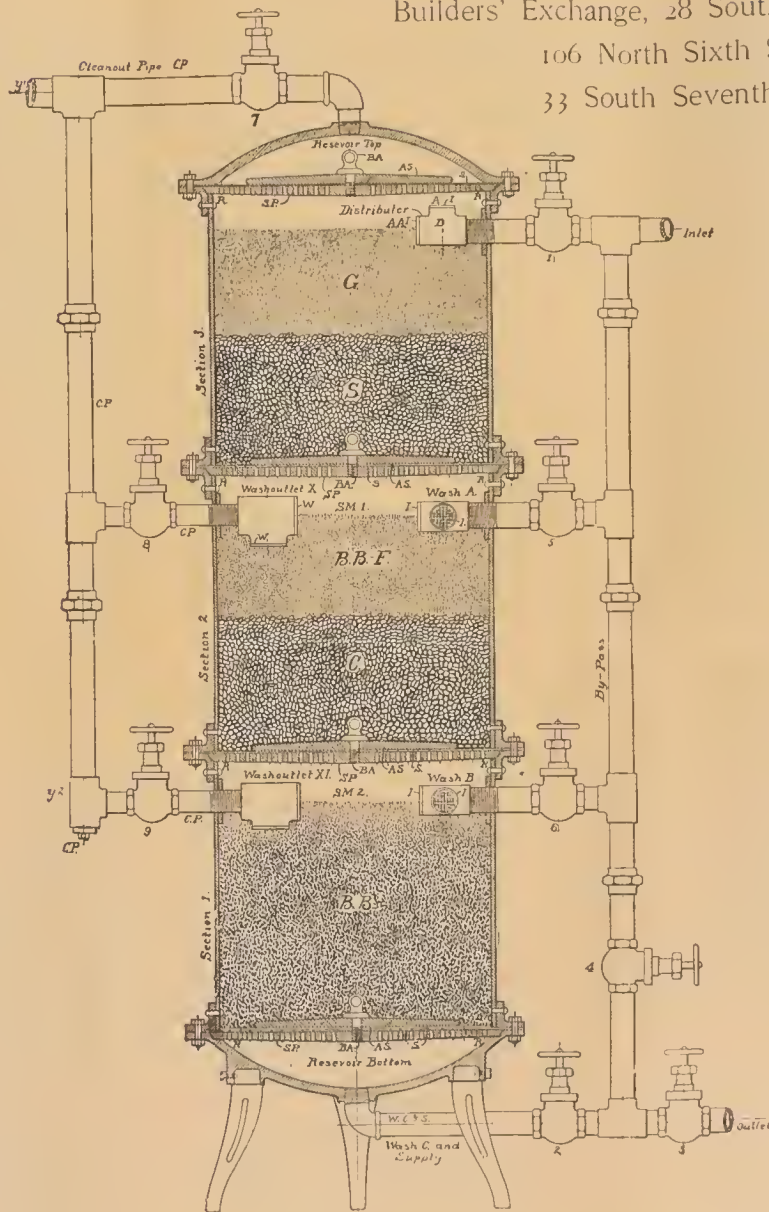
(1911)

[Advertisement and description of the
Wanner Filtration (Water) Filter.]

The Wanner Reliance Filter

ON EXHIBITION AND IN OPERATION AT

Builders' Exchange, 28 South Seventh Street.
106 North Sixth Street,
33 South Seventh Street.



Philadelphia, Pa.

Baltimore, Md.

New York.

Passaic, N. J.

Richmond, Va.

Louisville, Ky.

Cincinnati, O.

Portsmouth, O.

St. Louis, Mo.

Chicago, Ill.

Washington, D.C.

Buffalo, N. Y.

Trenton, N. J.

Paterson, N. J.

Brooklyn, N. Y.

Havana, Cuba.

Telephone Connection

LOUIS WANNER ENGINEERING CO.,

106 N. Sixth Street

Branch, 33 S. 17th Street

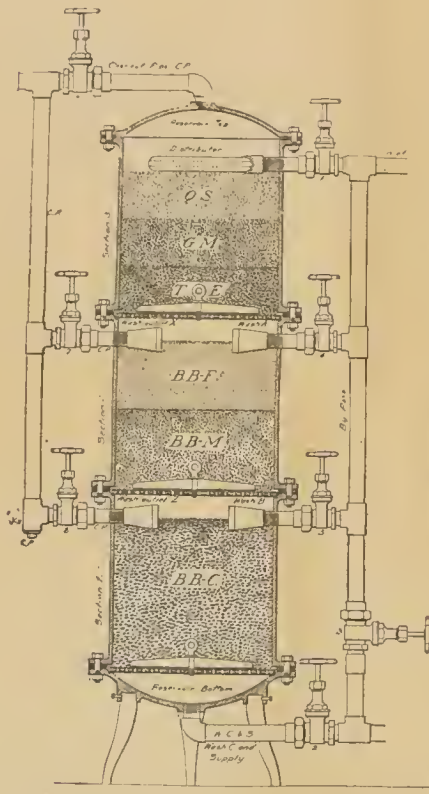
PHILADELPHIA, PA.

LARGE CAPACITY WATER FILTER

FOR FILTERING ENTIRE WATER SUPPLY FOR RESIDENCES,
STORES, APARTMENT HOUSES, OFFICE BUILDINGS, ETC.

Construction

THE FILTER is made of heavy cast-iron, and is composed of three separate sections, filled with granular material, coarse, fine and very fine, respectively. The plates between the sections and all pipes and valves are of the best quality. The flanges of the sections are faced, and joints made of pure white rubber.



The top section contains quartz, ground silica, and oxy ferric adamant. Here mud and clay, as well as vegetable matter are held in suspension.

The middle section contains fine bone black or animal charcoal, and here are removed the smaller organisms.

The bottom section is entirely filled with fine bone black, which acts as a purifier for already cleaned water.

Mechanism

By an ingenious, yet very simple arrangement of valves, each section can be cleaned independently of the others, if so desired. The cleaning is accomplished by simply reversing the current, and forcing the water from the bottom of each section to the top, and flushing off at the latter point all the accumulated dirt. Frequently simply cleaning the top section will answer all necessary purposes.

Advantages

The benefits derived from filtered water are too obvious to need argument. The "Wanner Reliance" has, among others, two special advantages over filters of a corresponding type, viz:

1. The filtering medium is put in three chambers instead of one, obviating the trouble arising from material becoming so densely packed that the flow of water is lessened.
2. No coagulant, such as alum, is used.

Capacity

It will be noticed that the capacities named are unusually large, and owing to large pipes, a flow is secured at outlet of filter about equal to that at inlet.

Number	1	2	3	4	5	6	7	8	9
Diameter	12"	14"	18"	22	27"	36	40"	48"	60"
Height	72"	72"	7'6"	7'6"	7'6"	9'0"	9'0"	9'6"	9'6"
Size of Supply Pipe	3/4"	1"	1 1/4	1 1/2	2"	3"	4"	5"	6"
Capacity gall, per min. under 30 lbs. press.	10	14	18	24	30	80	150	200	250

List of References.---Continued.



E. C. Middleton, Walnut Lane and Hancock St.
Chas. Strickler, 613 N. 7th St.
H. Brolaski, 1231 Spruce St.
Goddard & Taylor, 237 Chestnut St.
G. W. Plimley, 2030 Race St.
Florence Fox, 2128 Spruce St.
H. C. Fox, 1906 Spruce St.
L. D. Bassett, Reading Terminal.
Josiah Bunting, 2114 Spruce St.
The Geo. L. Squier Co., New York City.
The Geo. L. Squier Co., St. Louis.
J. A. Kay, 1235 Spruce St.
Chas. J. Gallagher, 922 N. Broad St.
Louis Goose, 26th and Alleghany Ave.
Geo. Theo. Leonhard, Paterson, N. J.
Schapiro & Bro., 2 Queen St.
Col. Thos. Potter, Chestnut Hill
Germantown Hospital, Germantown.
Samuel Dunn, 3308 N. 17th St.
Conard Schwoerer, 4-6 S. Market St.
Buffalo Club, Buffalo, N. Y.
L. C. Funk, 831 N. 41st St.
Levin Son & Co., 324 Wood St.
Morgan P. Mills, Richmond, Va.
Anna P. Sharpless, 3926 Chestnut St.
Wm. Snowden, 148 N. 8th St.
Louis Wanner, Jr., 2125 Venango St., Tioga.
J. W. Iredell, Jr., 5th & Vine Sts., Cincinnati
C. R. Hamilton, 3914 Spruce St.
Harry Shandine, 3115 Diamond St.
Meyer Fleisher, 2223 Green St.
Henry Altemus, 2010 Spring Garden St.
Dr. J. H. Schenck, 1514 Green St.
Max Levy, 145 Maplewood Ave.
Benj. Wolf, 1506 Girard Ave.
E. Y. McCurdy, 915 S. 47th St.
The Geo. L. Squire Mfg. Co., Washington, D. C.
J. Fischman, 519 Christian St.
C. Myers, 906 Franklin St.
Chas. Ross, 4154 Pennsgrove Ave.
New York Mineral Spring Water Co., 751 S. 4th St.
Chas. E. Pancoast, E. Johnston St., Germantown.
H. Roelofs & Co., Cor. 12th and Brown Sts.
K. L. Austin, Rex & Sumano Sts., Wissahickon Hts.
Samuel Smith, 2110 Walnut St.
Streeper & Roop, 130 W. Main St., Norristown, Pa.
Mary J. Hoey, 1823 Delancy Place.
John D. Grover, 207 N. 34th St.

Adolph V. Andrews, 811 N. 11th St.
Chas. T. Barney, 122 S. 4th St.
J. D. Bunting, 2406 Spruce St.
Julian Shoemaker, 2038 Arch St.
George Vaux, 1715 Arch St.
Henry B. Ashmead, 1622 N. Broad St.
George Kessler, 1542 Franklin St.
Mr. Chas. H. Miller, 1533 N. 8th St.
Fred Munch, 1728 Franklin St.
Chas. Hazelhurst, Wissahickon Heights
A. S. Dawie, 818 Preston Ave.
C. Heberton, 2918 Walnut St.
Thompson Spa, 612 Chestnut St.
Chas. Hessebruck, 3417 Spring Garden St.
J. Mitchell Elliot, 421 West Chelten Ave.

F. A. POTH'S PARKSIDE HOUSES.

The following are a few already put in.

F. A. Poth, 4200 Parkside Ave.
F. A. Poth, 4206 Parkside Ave.
F. A. Poth, 4210 Parkside Ave.
F. A. Poth, 4212 Parkside Ave.
F. A. Poth, 4214 Parkside Ave.
F. A. Poth, 4216 Parkside Ave.
F. A. Poth, 4218 Parkside Ave.
F. A. Poth, 4220 Parkside Ave.
F. A. Poth, 4222 Parkside Ave.
F. A. Poth, 4224 Parkside Ave.
F. A. Poth, 4226 Parkside Ave.
F. A. Poth, 4228 Parkside Ave.
F. A. Poth, 4230 Parkside Ave.
F. A. Poth, 4232 Parkside Ave.
F. A. Poth, 4234 Parkside Ave.
F. A. Poth, 4236 Parkside Ave.
F. A. Poth, 4238 Parkside Ave.
F. A. Poth, 4240 Parkside Ave.
F. A. Poth, 4242 Parkside Ave.
F. A. Poth, 4244 Parkside Ave.
F. A. Poth, 4248 Parkside Ave.
F. A. Poth, 4250 Parkside Ave.
F. A. Poth, 4252 Parkside Ave.
F. A. Poth, 4254 Parkside Ave.
F. A. Poth, 4256 Parkside Ave.
F. A. Poth, 4258 Parkside Ave.
F. A. Poth, 4260 Parkside Ave.
F. A. Poth, 4262 Parkside Ave.



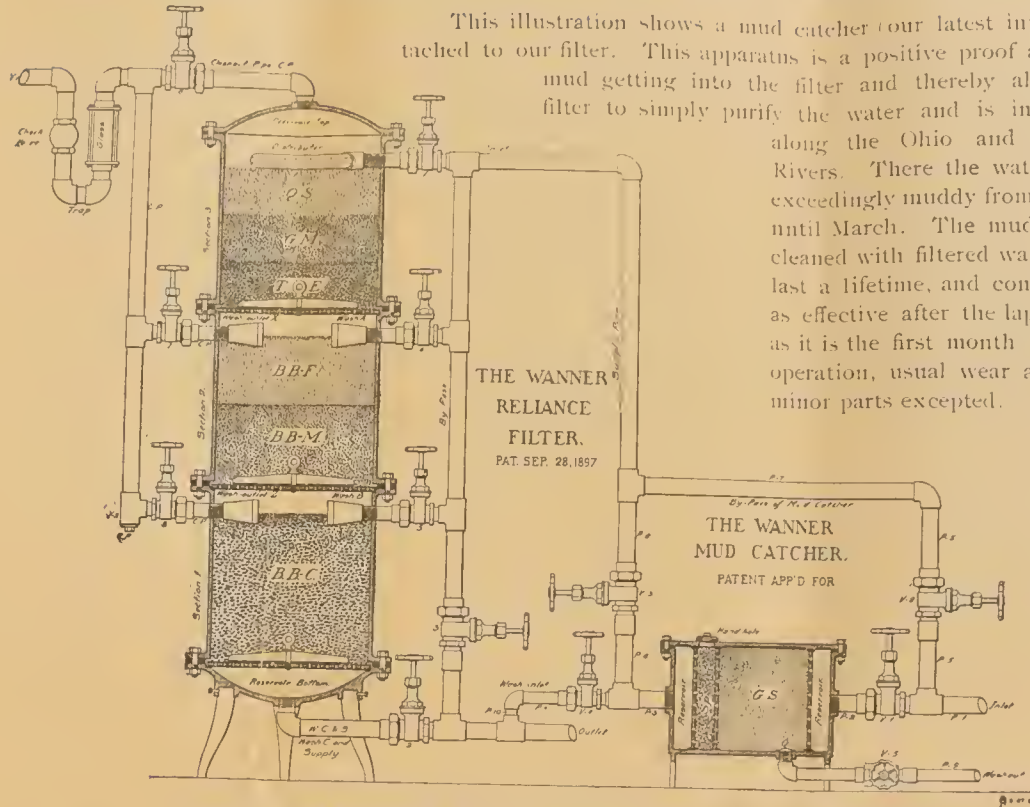
*THE ONLY FILTER ON THE MARKET. THE MUD CAN BE
REMOVED WITHOUT UPSETTING THE BEDS
AND THEREBY PREVENT THE MA-
TERIAL FROM BECOMING
CONTAMINATED.*

...List of References...



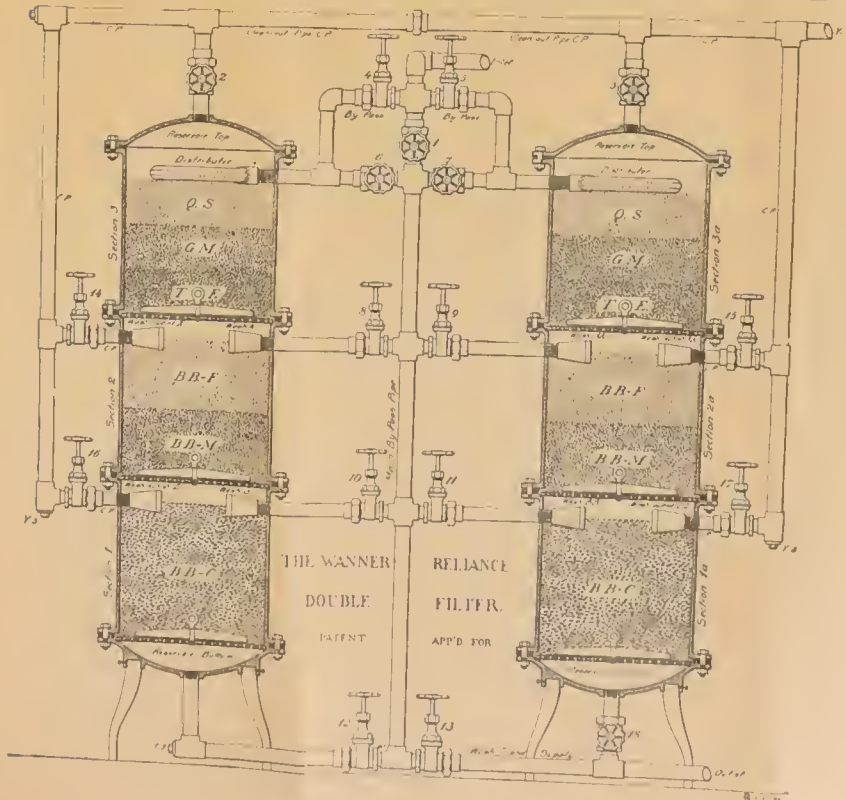
- Dennett's Surprising Coffee Co., 1313 Market St.
W. J. Swain, 3925 Chestnut St.
Bernhard Ernst, 2920 N. 6th St.
John Dodgson, Manayunk, Pa.
John Grange, 1510 N. 17th St.
Chas. Grange, 1521 N. 15th St.
Runyan Wolverton, 1604 N. 16th St.
Emil Ulrich, 1304 Columbia Ave.
Daniel Strouse, 839 N. 24th St.
H. C. Adams, 1831 Pine St.
Mrs. Wood, 2300 Park Ave.
Chas. P. Horr, 1301 Allegheny Ave.
John Stafford, Broad and Norris Sts.
James McCurdy, 2360 N. 13th St.
John Roehm, 515 N. 4th St.
John H. Dnnbar, 1602 Park Ave.
Chas. E. Budd, 1821 Spring Garden St.
J. V. Horn, 1325 N. 13th St.
Wm. O. Hempstead, 1529 N. 15th St.
George F. Huntington, 833 N. 41st St.
W. S. Kimball, West Philadelphia.
Charles G. Phillips, 4036 Walnut St.
Miss Fannie R. M. Hitchcock, 4038 Walnut St.
R. C. Horr, 3707 N. Broad St.
Wm. Allen, 1317 Alleghany Ave.
Carl Lauber & Co., 904 Filbert St.
H. Wister Harvey, 226 S. 19th St.
Dennett's Sur. Coffee Co., 353 Fulton St., Brooklyn.
American Lamp and Brass Co., Trenton, N. J.
Horace Whitman, 3801 Walnut St.
Chas. T. Magee, 4809 Baltimore Ave.
Louis Belmont, 1025 Race Street.
G. Theo. Leonhardt, Passaic, N. J.
Gustav Bisler, 746 N. 40th St.
A. F. Bornot, 126 S. 10th St.
J. R. Teller, 1518 Fairmount Ave.
Joseph F. Wittman, 2035 N. Broad St.
A. F. Bornot, 17th & Fairmount Ave.
Rev. Mathias Farnowski, 1608 Vienna St.
Solomon Asher, 1527 Girard Ave.
C. Potter, Prospect & Summerset Sts., Chest. Hill.
S. L. Levi, 2207 Walnut St.
B. F. Teller, 1727 Spring Garden St.
J. L. Shoemaker, 209 N. 34th St.
Frank G. Pierson, 7130 Germantown Ave.
Henry C. Davis, 602 Spruce St.
J. T. Spencer, 1507 Spruce St.
Damerin Block, Portsmouth, Ohio, Filter Plant.
Thomas W. Watkins, Portsmouth, Ohio.
G. D. Scudder, Portsmouth, Ohio.
A. M. Damerin, Portsmouth, Ohio.
Krippendorf & Dittman, Cincinnati, Ohio.
J. A. Armleder, Cincinnati, Ohio.
N. D. Holloway, Gowen Ave., Germantown.
F. Gutekunst, 712 Arch St.
Louis Ziegler, 1618 N. 16th St.
Horn & Hardart, 30 S. Broad St.
M. J. Duffey, Louisville, Ky.
John Roehm, Jr., 2342 Park Ave.
Wm. H. Rothrock, Baltimore, Md.
Wm. Grange, 2034 Arch St.
John McCurdy, 205 N. 34th St.
H. F. Tilge, 427 W. Cheltenham Ave.
James E. Phillips, Richmond, Va.
Builders' Exchange (on Exhibition.)
Chas. S. Hinchman, 3635 Chestnut St.
Wm. S. Kimball, 404 S. 42nd St.
Wm. W. Fidler, 1525 Walnut St.
Wm. P. Datz, 947 N. 5th St.
James T. Shinn, 303 S. 41st St.
Alois Datz, 1844 N. 22nd St.
John H. Craven, 1915 N. 12th St.
George J. Roesch, 221 N. 34th St.
J. M. Etting, 1817 Pine St.
J. L. Shoemaker, 122 N. 21st St.
D. Z. Howell, 833 S. 48th St.
K. E. Haefer, 4142 Pennusgrove St.
George E. Tilge, 5449 Wayne Ave.
Hon. Francis A. Osburn, 1339 Jefferson St.
Harry Zeigler, 1611 Girard Ave.
D. S. Kunkel, 1609 Wallace St.
B. Wilmsen, 2209 Venango St.
E. B. Stretch, 3868 Lancaster Ave., Fairmount Ldy.
Geo. L. Squier Mfg. Co., Buffalo, N. Y.
Edwin H. Wehle, Louisville, Ky.
J. A. Armleder, Cincinnati, Ohio.
D. A. Freed, Wissahickon W. of Manheim, Gmt.
H. H. Pigott, 644 Bullitt Building.
J. J. Martin, 1100 S. 46th St.
John Hart, 123 S. 10th St.
Monroe P. Lind, 1729 Tioga St.
Jos. L. Greenwald, 1935 Diamond St.
D. C. Wharton Smith, 2022 Delancy St.
Henry Altemus, 1316 Jefferson St.
Henrietta Patterson, 2347 E. Cumberland St.
Moses Zoob, 718 S. 6th St.
Wm. H. Mathew, 1710 Cayuga St.
David Rosen, 949 S. 2nd St.
Wm. Roseng, 1608 Columbia Ave.
Robert Kolb, 2363 E. Dauphin St.
Louis Freeman, 337 Bainbridge St.
Louis Billser, 526 South 3rd St.
Thompson Spa, 712 Chestnut St.
Eugene Stout, Wister and Clarkson Ave., Germantown.
Mrs. M. Pearsoll, 1615 Arch St.
W. C. Houston, 122 W. Cheltenham Ave.
Jacob Frank, 230 Christian St.
E. P. Chapman, 3606 Hamilton St.
Samuel E. Stokes, 5419 Wayne Ave.
Chas. Shoemaker, 2029 Arch St.
Wm. Read Fisher, 238 S. 13th St.
W. S. Blight, 1406 Pine St.
M. Medevay, 900 S. 6th St.
B. Wilmsen, 503 Chestnut St.
L. D. Bassett, 4013 Barring St.
E. M. Robinson, 1817 Walnut St.
Jacob Teller, 725 Corinthian Ave.
Geo. A. Fairlamb, 1717 N. 17th St.

The Wanner Reliance Filter With Mud Catcher Attached



This illustration shows a mud catcher (our latest invention) attached to our filter. This apparatus is a positive proof against any mud getting into the filter and thereby allowing the filter to simply purify the water and is indispensable along the Ohio and Mississippi Rivers. There the water becomes exceedingly muddy from November until March. The mud catcher is cleaned with filtered water and will last a lifetime, and continue to be as effective after the lapse of years as it is the first month it is put in operation, usual wear and tear of minor parts excepted.

THE WANNER RELIANCE DOUBLE FILTER



THIS CUT shows our double filter. It is the only one ever placed on the market that does double filter the water—the water first passing through one set of cylinders and then through the other. With our distributor and improved filtering material, this makes the best filter ever invented. The water from this filter is guaranteed absolutely pure. Each section can be cleansed with filtered water without shutting off the filtered water through the house. This filter does not reduce the flow of water.

SPECIAL FEATURES
OF THE
WANNER RELIANCE FILTER

1. It is attached to the main and filters all the water.
2. No chemicals used to aid purification.
3. No coagulant used as a precipitant.
4. No reduction in flow of water.
5. No expense in maintenance.
6. Always a full flow of clear, sparkling, soft water.
7. Requires no mechanic to clean the filter.
8. References from the highest authorities.



LOUIS WANNER
ENGINEERING CO.

106 NORTH SIXTH STREET
33 SOUTH SEVENTEENTH STREET

PHILADELPHIA, PA.



Mr W Chapman
1348 Pine St

Phila Pa