HOLLY MANUFACTURING CO'S

DESCRIPTIVE CATALOGUE OF

HAND, LIFT AND FORCE PUMPS

AL\$0,

CAST AND WROUGHT IRON BENCH SCREWS,
THIMBLE SKEINS,

COACH SCREWS, CHEESE PRESS SCREWS

BLACKSMITHS' DRILLS, GRINDSTONE AND BARN DOOR HANGINGS, AMALGAM BELLS,
BINKS, SEWER AND BELL TRAPS, COAL SHOVELS AND TONGS, AERATED

EREAD MACHINERY, HOT AIR FURNACES AND REGISTERS.

HOLLY'S PATENT ROTARY POWER PUMPS AND TURBINE WHEELS,

CENTRIFUGAL AND PRESSURE PUMPS, STEAM ENGINES, AIR AND GAS PUMPS, ETC., ETC.

ALSO MANUFACTURERS OF

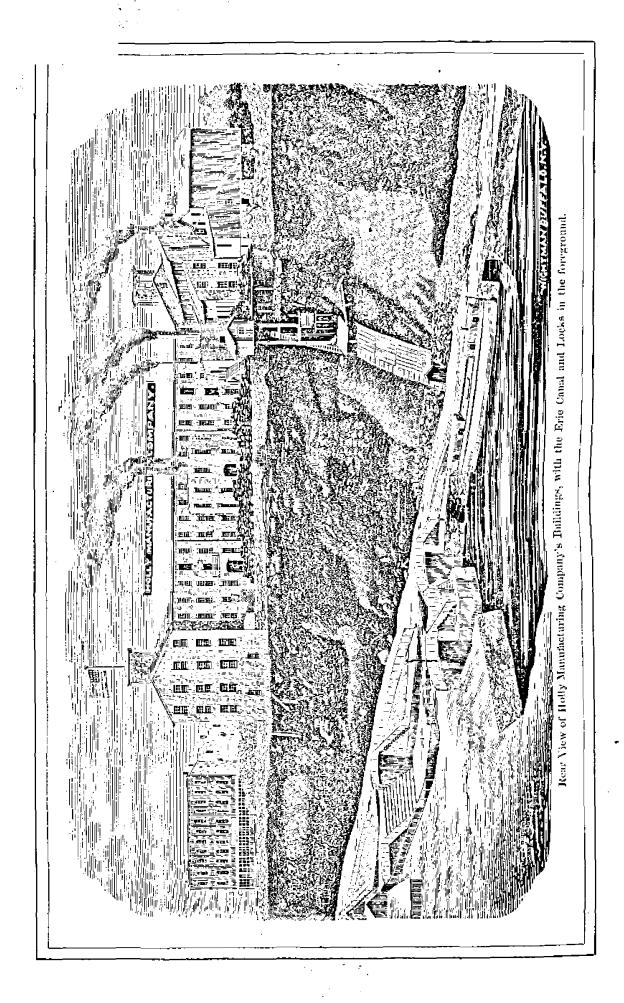
HOLLY'S CELEBRATED PATENT MACHINERY FOR

WATER SUPPLY AND FIRE PROTECTION

OF CITIES AND VILLAGES.

BUFFALO:
THOMAS, HOWARD & JOHNSON,
FRANKLIN PRINTING HOUSE.

1868.



HOLLY MANUFACTURING COMPANY,

LOCKPORT, N. Y.

T. T. FLAGLER, President,
B. HOLLY, Mechanical Superintendent.

CHARLES KEEP, Secretary. C. G. HILDRETH, Treasurer.

CIRCULAR.

In presenting to and placing before our customers and friends, in the following pages, our NEW ILLUSTRATED AND DESCRIPTIVE CATALOGUE of articles manufactured by us, we take pleasure in acknowledging our obligations for the appreciation which our goods have met with, at the hands of a generous public. The demand has far surpassed, not only our expectations, but also our conacity to supply, and has compelled us, in order to meet these demands, to erect one of the largest and most complete buildings of its kind in the country, thoroughly supplied with new machinery. We are now occupying these new works, and with such largely increased facilities, we are prepared to fill all orders in a most expeditious manner. We assure our customers that we are sparing no pains to produce goods, which in point of style, durubility and excellence, shall not be excelled by any others in the market. Our manufacturing interests are under the direct supervision of Mr. B. HOLLY, known as one of the best Hydraulic Engineers in the country, assisted by other skilled mechanics. We flatter ourselves, therefore, that in the production of goods in our line, we cannot fail to supply any required want, and on terms satisfactory to all concerned.

It is proper to add also, that the Company has enlarged its facilities for the manufacture of Holly's justly celebrated Water Works, for furnishing water supply and fire protection to cities and villages. These works, which are the admiration of all who have witnessed their wonderful operations, have been constructed by the Company, and are now in successful operation in the cities of Lockport and Auburn, N. Y., and Minneapolis, Minn., and the village of Gouverneur, N. Y. The Company is now engaged in manufacturing similar Water Works for the City of Binghamton, to be put in operation as soon as practicable, and have numerous applications from other cities and villages, for the same invaluable substitute for costly Reservoirs and inefficient Hand and Steam Fire Engines, which will be attended to in their order, with all possible despatch.

Full information may be obtained by sending for our Descriptive Pamphlet.

A continuance of past fuvers respectfully solicited.

INDEX.

				Page.	PAG	E.
Amalgam	Bel	ls		60	l	47
Barn Deo	r H	ingings		54, 55	" House, on Base and on Plank, 42,	43
	St	ay Rolle	rs	55		44
Bedstead	Fas	tenings.		59		45
Bell Traps	3		• • • • • • • • • • • • • • • • • • • •	49	1	46
			• · · · · · • · • · · · · · · · · · ·			33
					, =	63
		•			Grindstone Hangings	
			·····		, 1 S	61
	_		how		, ,,,,,	63
						51
	_		er Spout		Hot-Air Furnace 61, 0	
41		14	with Gas Pipe		1 225	S7
			Length		200 22000000000000000000000000000000000	59 23
••	••	"	with Standard			32 59
44		37	Cylinder		1.2.4	
	••		style, Brass V		Practical Tables	
"			t			96 53
			style, coupling b	'		95
4.			C	• • • • •	2	62 62
		News	style, with Gas			14
	٠.,		Set Lengt " with Stan			75
	•					 75 -/
	"	41	and Cylind with Cast	•	" No. 2 Power	
			Set Lengt			77
	44	Kangai	roo			73
Li		•	Ωetagon		" No. 5 Power	
						83
4.6			with Set Lengt	-		73
**	**		·			S1 · •
Cistern an	a N		p, with Gas Pipe			51
onstorn an			Length			59
16			with Cast			19
			Set Length	i		33
Cheese Pr	ess	Screws.			Sinks, Square Corners	18
					" Round "	10 💉
						10
				58		15 []
Cut-off V:	ilve				Stair Plates 6	٠,٠
			· · · · · · · · · · · · · · · · · · ·	86	Stair Plates 6 Steam Engine, Portable 7 Take-off for Hose 8	31 - ^(*) 70 3 6
Deep Wel	l P	 ւուր, Got	hic	86	Stair Plates 6 Steam Engine, Portable 7 Take-off for Hose 8	31 10
Deep Wel Discharge	l Po Pip	imp, Got e for Hos	· · · · · · · · · · · · · · · · · · ·	86 28 51	Stair Plates 6 Steam Engine, Portable 7 Take-off for Hose 8 Tailors' Irons 5	31 - ^(*) 70 36
Deep Wel Discharge Drive Wel	l Po Pip ll P	imp, Got e for Hos ump	hicse	86 · 28 · 51 · 22	Stair Plates 6 Steam Engine, Portable 7 Take-off for Hose 8 Tailors' Irons 5 Thimble Skeins and Pipe Boxes 5	31 ^(*) 70 86 59
Deep Wel Discharge Drive Wel Engine W	l Po Pip ll P cll I	imp, Got e for Hos ump	hicse	86 28 51 22 35	Stair Plates 6 Steam Engine, Portable 7 Take-off for Hose 8 Tailors' Irons 5 Thimble Skeins and Pipe Boxes 5 4 Skein Bolts 5	31 ^(*) 70 36 59 56 (*)
Deep Wel Discharge Drive Wel Engine W Fan Pump	l Po Pip ll P cll I	imp, Got e for Hos ump	hicse	86 28 51 22 35	Stair Plates 6 Steam Engine, Portable 7 Take-off for Hose 8 Tailors' Irons 5 Thimble Skeins and Pipe Boxes 5 4 Skein Bolts 5 4 Wrenches 5	31
Deep Wel Discharge Drive Wel Engine W Fan Pump Fire Tong	l Po Pip II P cell I	imp, Got e for Hos ump	hicse	86 28 51 35 35 95 58	Stair Plates 6 Steam Engine, Portable 7 Take-off for Hose 8 Tailors' Irons 5 Thimble Skeins and Pipe Boxes 5 4 Skein Bolts 5 4 Wrenches 5 Water Wheel 9	51 (**) 50 56 59 56 56 56
Deep Wel Discharge Drive Wel Engine W Fan Pump Fire Tong	l Po Pip P 	imp, Got e for Hos ump Pump	hicsc	86 28 51 22 35 95 58	Stair Plates 6 Steam Engine, Portable 7 Take-off for Hose 8 Tailors' Irons 5 Thimble Skeins and Pipe Boxes 5 Skein Bolts 7 Wrenches 5 Water Wheel 9 Well Pump, No. 4½ Octagon 2 No. 5	31. (*) 70 86 99 96 96 97 25 25
Deep Wel Discharge Drive Wel Engine W Fan Pump Fire Tong Force Pur	l Pop	imp, Got e for Hos ump Pump No. 5 Got Nos. 7 au	hicsc	86 28 51 22 35 95 58 34 36	Stair Plates 6 Steam Engine, Portable 7 Take-off for Hose 8 Tailors' Irons 5 Thimble Skeins and Pipe Boxes 5 Skein Bolts 7 Wrenches 5 Water Wheel 9 Well Pump, No. 4½ Octagon 2 No. 5	31. ** 70 36 56 56 56 56 7 25
Deep Wel Discharge Drive Wel Engine W Fan Pump Fire Tong Force Pur	l Pip Pip Il P ell I	imp, Got e for Hos ump Pump No. 5 Got Nos, 7 an	thic.	86 28 51 35 95 58 34 36 ank, 37	Stair Plates 6 Steam Engine, Portable 6 Take-off for Hose 8 Tailors' Irons 5 Thimble Skeins and Pipe Boxes 5 Skein Bolts 5 Water Wheel 9 Well Pump, No. 4½ Octagon 2 Well Pump, No. 5½ Giraffe 3	31. (*) 70 86 99 96 96 97 15 15 15 15
Deep Wel Discharge Drive Wel Engine W Fan Pump Fire Tong Force Pur	l Pip Pip Il P ell I	imp, Got e for Hos ump Pump No. 5 Got Nos. 7 an Nos. 7 an	thic and 5 Arch	86 28 51 35 95 58 34 26 ank, 37 uber	Stair Plates 6 Steam Engine, Portable 6 Take-off for Hose 8 Tailors' Irons 5 Thimble Skeins and Pipe Boxes 5 Skein Bolts 5 Water Wheel 9 Well Pump, No. 4½ Octagon 2 Wo. 5 2 Who. 5½ Giraffe 3 Well Pump, No. 5½ Giraffe 3	31. (*) 70 86 99 96 96 97 25 25
Deep Wel Discharge Drive Wel Engine W Fan Pump Fire Tong Force Pur	l Po Pip Il P ell I 	imp, Got e for Hos ump Yump No. 6 Got Nos. 7 an Nos. 70 a on Spo	thic	86 28 51 35 95 58 34 36 ank, 27 uber 38	Stair Plates 6 Steam Engine, Portable 7 Take-off for Hose 8 Tailors' Irons 5 Thimble Skeins and Pipe Boxes 5 "Skein Bolts 5 "Wrenches 5 Water Wheel 9 Well Pump, No. 4½ Octagon 2 "No. 5 2 "No. 5½ Giraffe 3 "New style, No. 6, with Cast Iron Set Length 2 "New style, No. 6, with Gas 2	31. (*) 70 86 59 56 56 57 25 25 30
Deep Wel Discharge Drive Wel Engine W Fan Pump Fire Tong Force Por	l Po Pip Il P ell I 	imp, Got e for Hos ump Yump No. 6 Got Nos. 7 an Nos. 7 an on Spo Nos. 10 a	thic	86 28 51 35 95 58 34 36 ank, 37 uber 38	Stair Plates 6 Steam Engine, Portable 7 Take-off for Hose 8 Tailors' Irons 5 Thimble Skeins and Pipe Boxes 5 Skein Bolts 5 Water Wheel 9 Well Pump, No. 4½ Octagon 2 Well Pump, No. 5½ Giraffe 3 Well Pump, No. 6, with Cast 4 Well Pump, No. 6, with Cast 4 Well Pump, No. 5½ Giraffe 3 Well Pump, No. 6, with Cast 4 Well Pump, No. 6, with Cast 4	66 66 66 66 66 66 67 7 25 30
Deep Wel Discharge Drive Wel Engine W Fan Pump Fire Tong Force Por	Pip Pip II P ell I	imp, Got e for Hos ump Yump No. 6 Got Nos. 7 an Nos. 10 a on Spo Nos. 10 a Spout,	thic	86 28 51 35 95 58 34 36 ank, 37 uber 38 n. on Iosc, 30	Stair Plates	66 66 66 66 66 66 66 66 67 7 7 7 7 7 8 8 8 8
Deep Wel Discharge Drive Wel Engine W Fan Pump Fire Tong Force Por	Pip Pip II P ell I	tmp, Got e for Hos ump. Pump. No. 6 Got Nos. 7 an Nos. 10 a on Spo Spout, Nos. 10 a	thic se	86 28 51 35 95 58 36 ank, 37 nber 39 n.on lose, 30 nber	Stair Plates	66 66 66 66 66 66 66 66 67 72 73 75 75 75 75 75 75 75 75 75 75 75 75 75
Deep Wel Discharge Drive Wel Engine W Fan Pump Fire Tong Force Por	l Pip Pip II P cell I	imp, Got e for Hos ump. 'ump. 'ump. 'No. 6 Got Nos. 7 an Nos. 10 a on Spo Nos. 10 a on Spo Nos. 10 a	thic	86 28 51 35 95 34 36 ank, 37 nber 38 n. on lose, 30 nber 46	Stair Plates	66 66 66 66 66 66 66 66 67 7 7 7 7 7 8 8 8 8

HOLLY MANUFACTURING COMPANY.

Gothic Cistern Pumps.

Filted for any kind of Pipe.



These cuts represent our Gothic Cistern Pumps. They are designed not only for Cisterns, but for shallow Wells. They are very simple, as well as ornamental Pumps; entirely new in design.

The cut on the right is in all respects the same as the one opposite, save that it is made with a set length, in order to use it for out-door Wells or Cisterns.

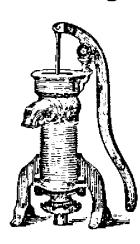


No. 4. With Set Length. For Wells or Cislerns.

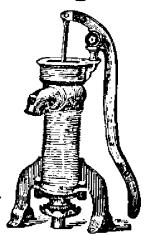
No. 4.

No. 2 Kangaroo.

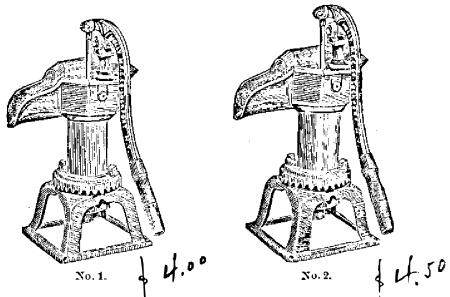
No. 3 Kangaroo.



These cuts represent two sizes of Cistern Pumps, which are entirely new in construction; having been made to meet the demands of those who desire a good and durable Pump, at a less price than other styles, made more expensively in construction, but practically no better. Fitted for all kinds of pipe.



Holly Manufacturing Co.'s New and Improved Pitcher Spout Pump.



We present on this and next pages, cuts of our unrivaled Pitcher Spout Pump. This Pump has many advantages over any other Pump of similar design. We would say to the public that the above design is patented, and also numerous improvements thereon; and would caution them from purchasing from parties who are infringing upon these patents, as we are taking measures to bring them to justice. We present the following as some of the advantages of these Pumps:

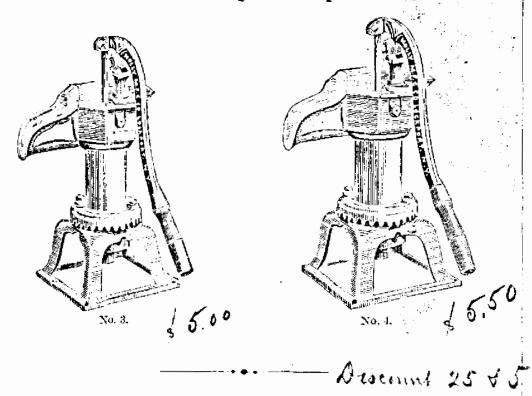
The coupling that secures the pipe to the Pump, is so arranged that it may be put on or taken off without the use of a wrench, simply by using a spike, or any small, straight piece of iron. On this we also have a patent, and no other parties have any right to use it.

We have made several important improvements on this Pump during the past year, especially that of lengthening the spout, and the base now being square instead of round, the pail may be set nearer the Pump; and it also allows the Pump to be set nearer a wall, or partition, than those with round base. We now make these Pumps also with Set Screws, for connecting base with cylinder, instead of with bolts and nuts, as formerly.

These Pumps have met with universal approbation, and we challenge comparison for beauty of design, and style of finish.

We make these Pumps with brass valve-seats when desired. They are also fitted for all kinds of pipe, wood, iron and lead, as ordered. Customers will be particular and state, therefore, what kind of pipe they wish Pumps fitted for. We feel confident in asserting that this Pump is now the most perfect one in the market.

Holly Manufacturing Co.'s New and Improved Pitcher Spout Pump.



Holly's Newly Improved Pitcher Spout Pump.

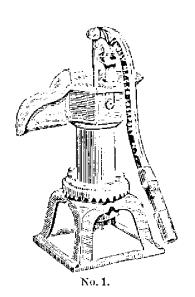
Patented 1860.

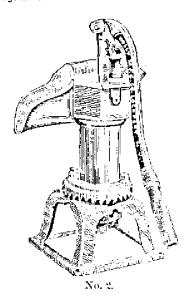
Directions.—To change the handle, for convenience, remove the bolt that connects the lever post to the Pump, and punch the hole nearly drilled through on opposite side or opposite the spout, using the same bolt for a punch. To get at the valves, remove the said bolt and lift the plunger from the top of the Pump, and examine valves at leisure. To remove the lower valve, remove the brass set screws that hold the body to base of Pump, and take Pump apart and replace again, using care to tighten the said screws all at once. To prevent freezing in winter, raise the handle to its extreme height and let the water out below.

N.B.—In all cases where Pumps are required for out-door use, we would recommend our Pumps with Set Lengths.

Pitcher Spout Pump, for Out-Door Cisterns and Wells.

With Standard and Cylinder.







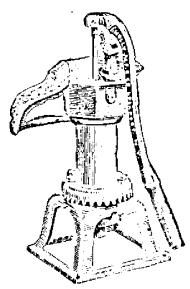


The cuts on this and next page, show our Standard and Cylinder for out-door Cisterns and Wells, arranged for Plumbers and others who wish to furnish their own Pipe. They are made with Standard Screw, cut for common Gas Pipe.

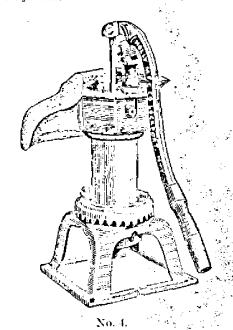
We make four sizes, Nos. 1, 2, 3 and 4.

Pitcher Spout Pump, for Out-Door Cisterns and Wells.

With Standard and Cylinder.





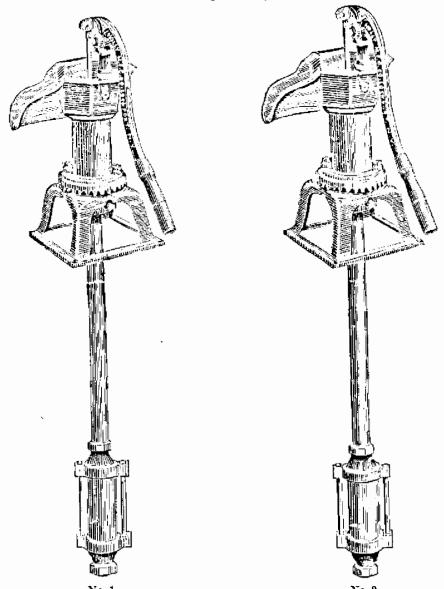






Pitcher Spout Pump, arranged for Cisterns or Wells.

With Gas Pipe Set Length.

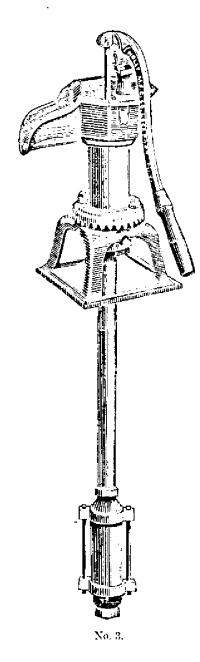


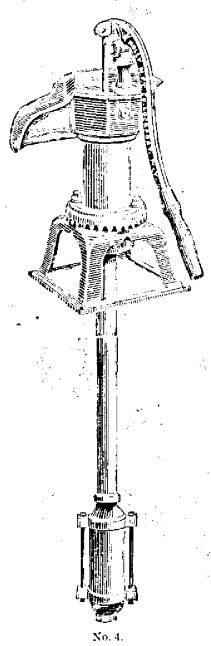
The cuts on this and opposite page, represent our Pitcher Pump arranged for Cistern and Well Pumps, with Gas Pipe Set Lengths, for out-door eisterns and wells. The cylinder being three feet below the platform, prevents it from freezing. The top and bottom of cylinder or working parts of these Pumps being held in their places by means of flange with bolt, we claim as a great improvement, for in all other kinds the top and bottom are screwed on or into the cylinder, and thus after a lapse of time it is found almost impossible to get at cylinder or working part, if necessary, on account of the rust. We make four sizes of these Pumps: Nos. 1, 2, 3 and 4.

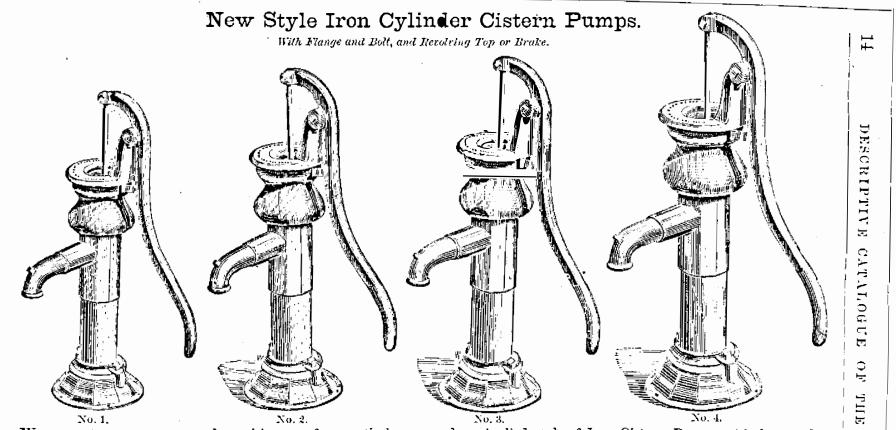
Fitted for lead, iron or other pipe, as ordered.

Pitcher Spout Pump, arranged for Cisterns or Wells.

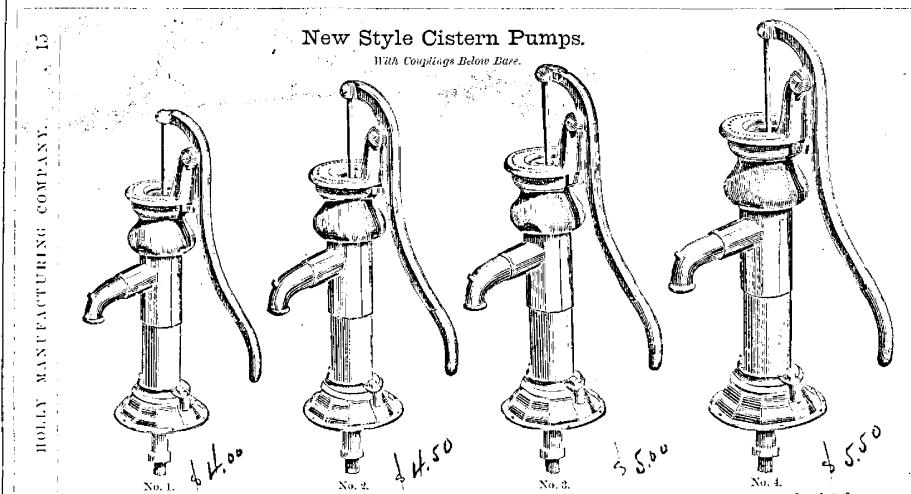
With Gas Pipe Set Length.







We present to our customers herewith, cuts of our entirely new and unrivalled style of Iron Cistern Pumps, with brass valve seat and brass tubes projecting, arranged for attaching lead pipe. Among the many improvements over old styles in this Pump, is that of having a water reservoir above the spout, capable of holding all the surplus water caused by pumping too fast, thus preventing it from running over at the top. The placing the reservoir above the spout enables the Pump to be worked much easier, as it obvious the necessity of filling the water chamber first before discharging, as is the case with all other kinds. This we claim as a decided advantage over many other styles of Pumps. The spout in this Pump is also made very long, and sufficiently high from the base to place a pail underneath.

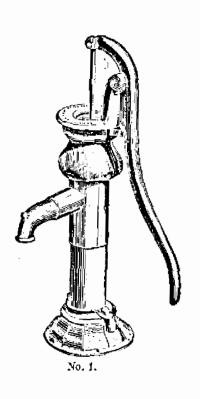


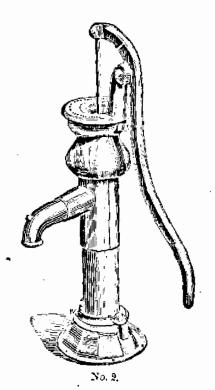
The above cuts represent our New Style Cistern Pumps, with Iron Valve Seats, and arranged with nut and tubes for connecting pipe to the Pump, below the base of same. Has Flange and Bolt. Fitted for any kind of pipe ordered. We make four sizes: Nos. 1, 2, 3 and 4.

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Cistern and Well Pump.

Standard and Cylinder.





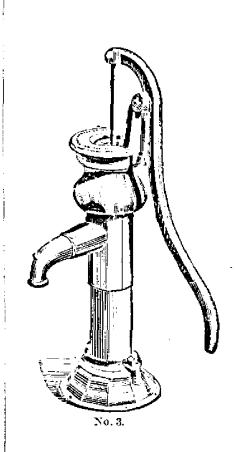


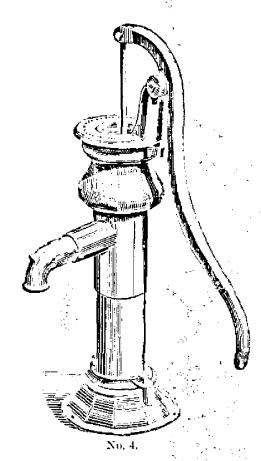


The above cuts show our Standard and Cylinder for out-door Cisterus and Wells, which we can furnish separately to dealers or others who have their own pipe. They are arranged with screws cut for common gas pipe, or other pipe as ordered. We manufacture five sizes of this style of Pump: Nos. 1, 2, 3, 4 and 416.

Cistern and Well Pump.

Standard and Cylinder,

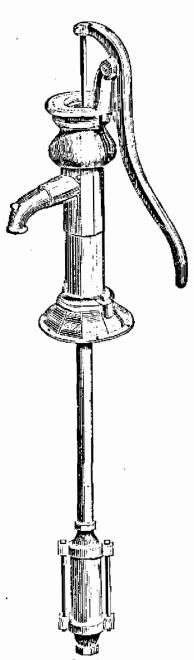


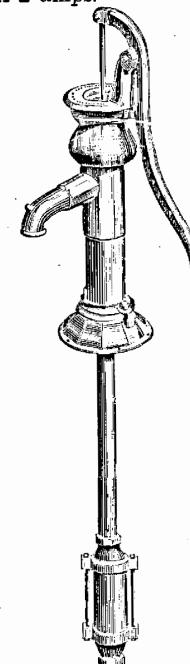






Cistern and Well Pumps.



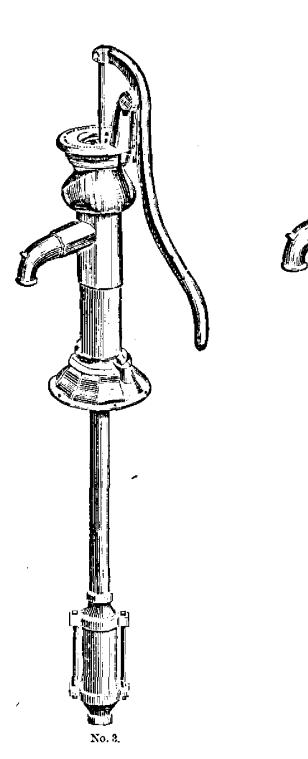


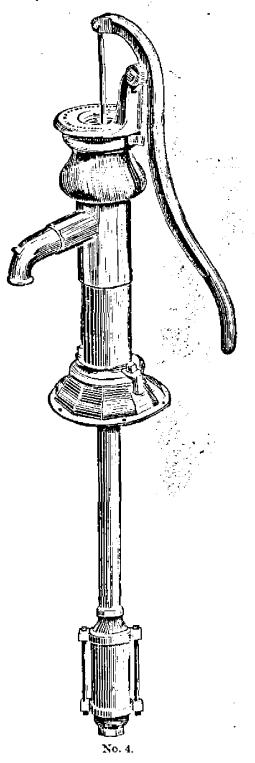
N

The cuts on this and opposite page, represent our Cistern and Well Pumps, with Gas Pipe Set Lengths, for out-door cisterns and wells; the cylinder being three feet below the platform, prevents it from freezing. The top and bottom of cylinder or working part of these pumps being held in their places by means of flange with bolt, we claim as a great improvement, for in all other kinds, the top and bottom are screwed on or into the cylinder, and thus after a lapse of time it is found almost impossible to get at cylinder or working part, if necessary, on account of the rust. We make four sizes of these Pumps: Nos. 1, 2, 3 and 4. Fitted for lead, iron or other pipe, as ordered.

Cistern and Well Pumps.

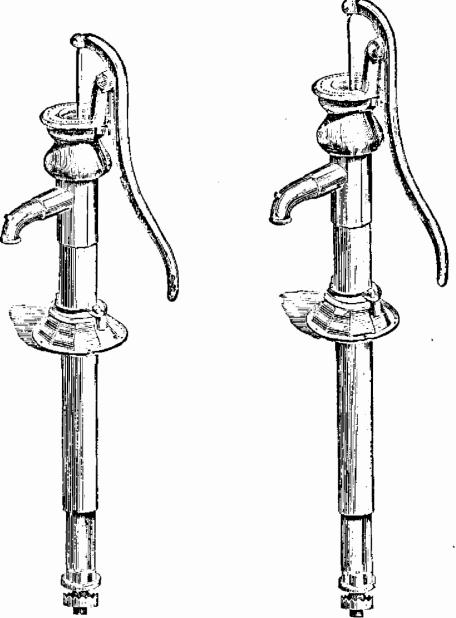
With Gas Pipe Set Length.





Pumps.

With Cast Iron Set Length.

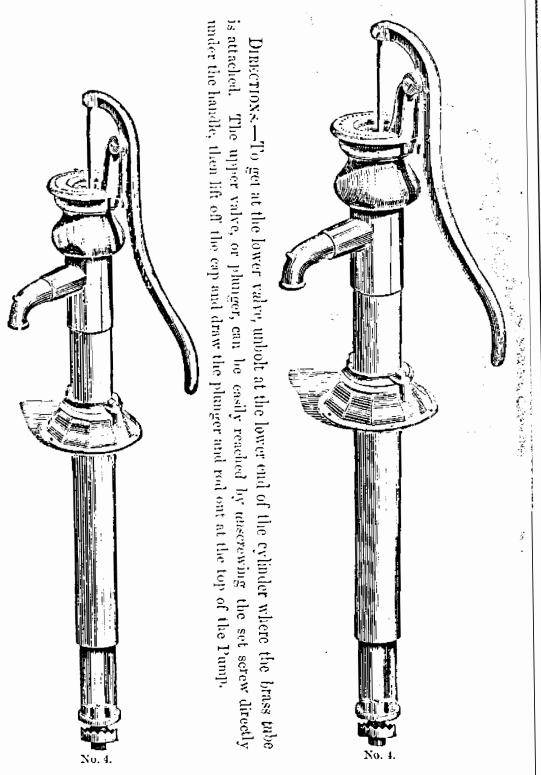


We present herewith our new style Cistern and Well Pumps, with Cast Iron Set Lengths. These are an entirely new pattern, having longer stock, and in many respects are much superior to the old style, being furnished also with the reservoir above the spout, thus enabling the Pump to be worked much easier, obviating the necessity, as it does, of filling the water chamber first, as is the case with all other Pumps. We make five sizes of the above Pump, viz.: Nos. 1, 2, 3, 4 and 43.

Fitted for all kinds of pipe as ordered.

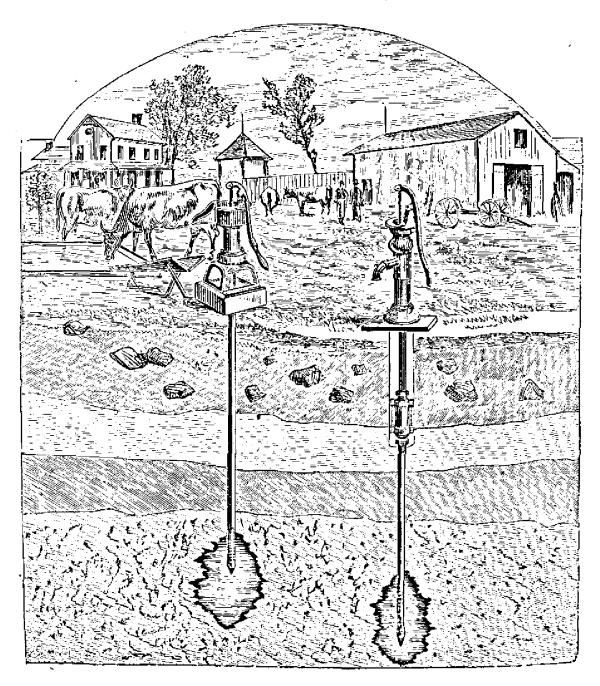
Pumps.

With Cast Iron Set Length.



Drive Well Pumps.

Manufactured by Helly Manufacturing Company.



Drive Well Pumps.

The cut on preceding page represents both our new style Close Revolving Top and Pitcher Spout Pumps, arranged specially for Drive Wells. We presume all are familiar with the peculiarity of these Drive Wells, the water being obtained by driving into the ground, Gas Pipe, pointed at the end. There are many different patents and claims on the perforations or strainers, through which the water is taken; first pumping out the sand and gravel, and leaving a reservoir as shown in the cut. We furnish the Pumps only, fitted for gas pipe, suitable to be used with any patent.

We claim our Pumps to be superior to any made for Drive Well purposes; among others, for the following reasons:

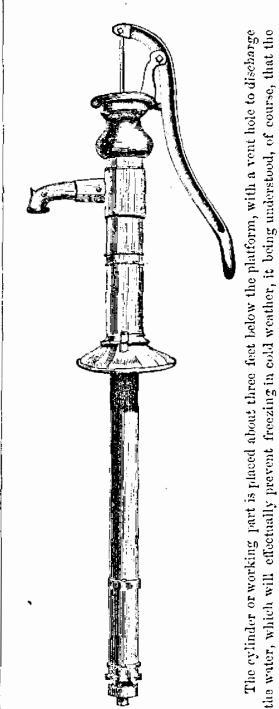
In all Set Length Pumps made by other manufacturers, the top and bottom of cylinder, or working part of Pump, is screwed on or into cylinder, and thus, after a lapse of time, if it is necessary to get at cylinder to repack if, it will be found (owing to rust) almost impossible to get at valves. In our Pump this is obviated, from the fact that the top and bottom of cylinder is held in its place by a flange, with outside bolt fastenings, and thus can be easily taken apart, if necessary, in a moment's time. This, we claim to be a great improvement, as all who examine will at once admit. Our Pumps are also packed with rubber, preventing their cutting out by sand or gravel.

We fit them for any size gas pipe desired.

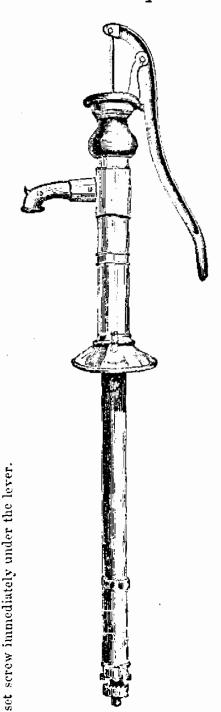
We wish our friends to understand that we are making a specialty on goods in this line. We shall always be found up to the mark in the way of improvements.

New Style Cistern and Well Pump.

The lever may be easily changed to any required position by simply loosening a

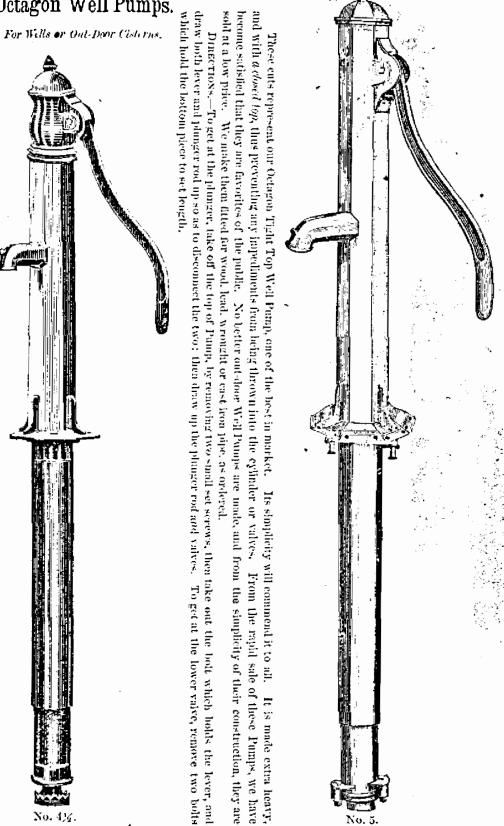


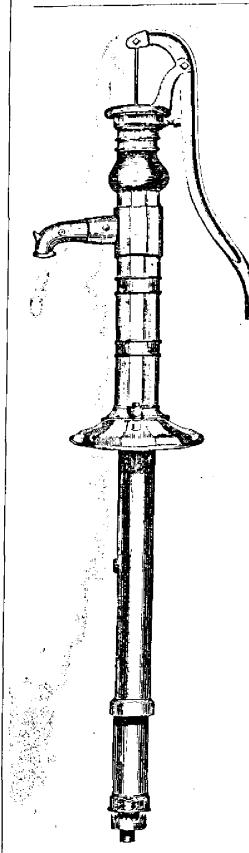
No. 1%. With Gas Pipe Set Length, as shown on page 27.



No. 4%, With Cast Iron Set Lingth.

Octagon Well Pumps.





.7

No. 6 Yard Well Pump.

New Style. With Revolving Top and Large Iron Set Length.

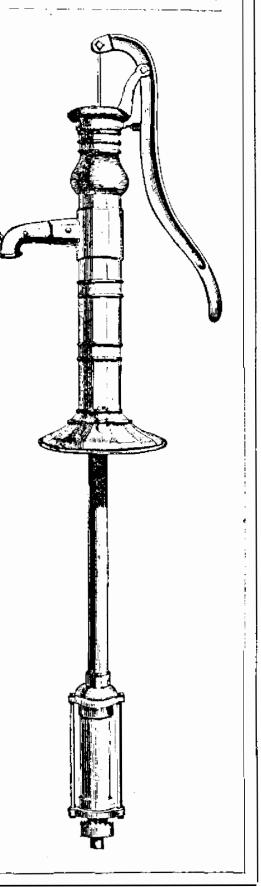
The cylinder, or working part, is placed about three feet below the platform, with a vent hole to discharge the water, which will effectually prevent freezing in cold weather, it being understood, of course, that the well is securely covered. The lever may be easily changed to any required position, by simply loosening a set screw immediately under the lever.

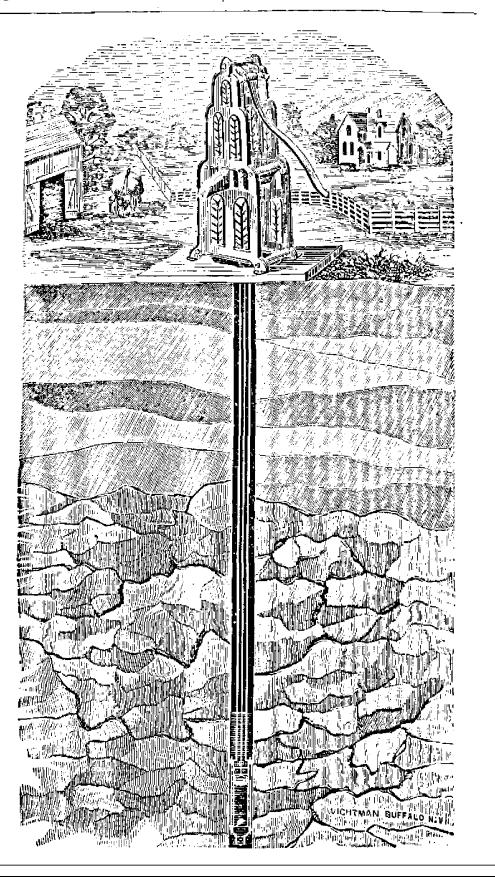
DIRECTIONS.—In order to get at the lower valve, remove the bottom part of the cylinder, which is secured by two bolts and nuts; to get at apper valve and plunger, remove the cap of Pump, held by means of set screw, and draw the plunger and rod out at the top of Pump.

No. 6 Yard Well Pump.

New Style, With Revolving Top and Gas Pipe Set-Length.

The cut on this page represents the same Pump as on preceding page, save that it has Gas Pipe in place of large Cast Iron Set Length. The cylinder, or working part, being about three feet helow platform, preventing freezing. The top and bottom of cylinder, or working part, being held in their places by means of flange and outside bolts, we claim as a great improvement, for in all other kinds the top and bottom are secured on or into the cylinder, and thus after a lapse of time, it is found impossible to disturb on account of rust.





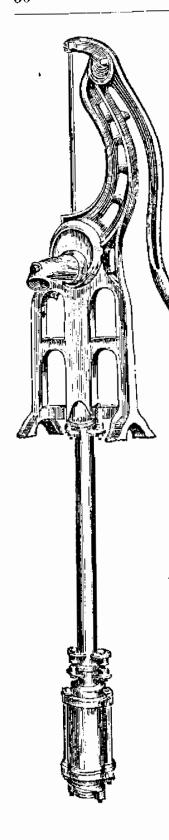
No. 6 Gothic Pump, for Deep Wells.

With Stroke Adjusting Lever.

On the opposite page, we present to our customers and the public generally, a Deep Well Pump, that is, we think, superior to any Pump for wells of great depth, in the market.

This Pump is so arranged, that by simply adjusting the handle any desired stroke may be obtained to suit the depth of the well—an improvement, we believe, that is not in use by any other manufacturer, at least to our knowledge. By this means we have obviated a trouble, in a great measure, that has usually been the fault with Deep Well Pumps; they are usually made of the same stroke, without any reference to the height the column of water has to be raised, and hence it was sometimes impossible for children or women to use them. This Pump, a girl can use equally as well as the strongest man. We expect for them a large sale, as they are certainly deserving. The pipe that connects between the standard and cylinder is common wrought iron; the connecting rod is three-fourths inch round iron, which is welded to suit the depth of the well, the rod working within the pipe.

We can furnish these Pumps complete for a well of any depth, or furnish standard and cylinder to these who prefer furnishing their own pipe. It will be noticed that the cylinder is at the bottom of the well, entirely submerged, no suction pipe being used.

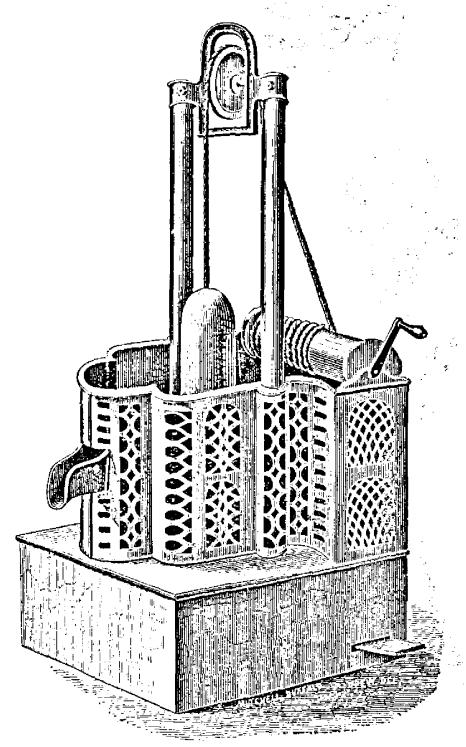


No. 5½ Anti-Freezing Swan or Giraffe Well Pump.

This engraving represents a new Pump, which has proved to be one of the most salable Pumps on our list. Though simple in construction, it is entirely novel in design, and its low price will commend it, either for Wells or large Cisterns. The body of the Pump is formed of one simple piece of open work cast iron, making it both durable and ornamental. It requires but small space, and may be set near a wall or partition. The spout may be changed to either side, to suit convenience. It is fitted for either iron, wood or lead pipe, as ordered.

Directions.—To get at the lower valve, remove the bolts that connect the head to the cylinder, and take off the lower attachment. To get at the upper valve, loosen the plunging rod from the handle, and draw or push it out, either at the top or bottom of the cylinder.

Ornamental Well Curb and Bucket.

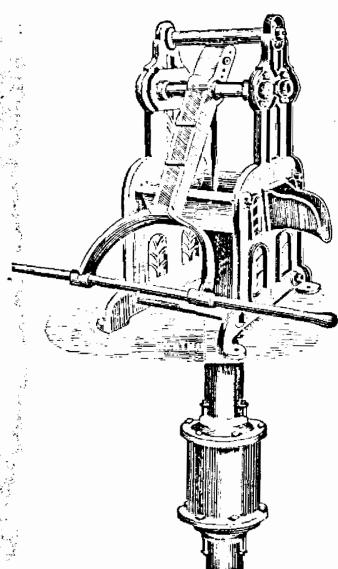


Designed especially for these who prefer the open Well Curb to the common Pump. Has been universally approved wherever introduced.

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Mammoth Gothic Pump.

For either Hand or Power.



This cut represents a large Gothic Pump, to be used in wells, mines, steamboats, rail road stations, or other places where it is desirable to raise water or oil rapidly. This Pump has given perfect satisfaction. For beauty, simplicity and strength, this Pump has never been excelled; and for complete adaptation to any place desired, and for effectiveness of the power applied, it has never been equalled. We make these Pumps of three different kinds:

FIRST. — The short, large cylinders, for large wells, with eight inch diameter and ten inch stroke.

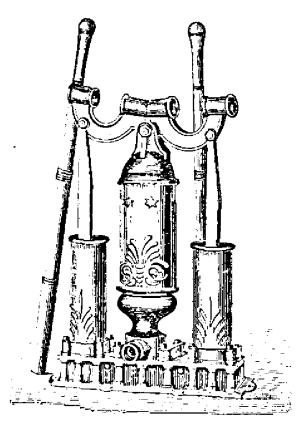
Second.—Those used in drilled wells, by band

or man power, with from two to six inches diameter, and from one to three feet stroke.

There.—Those used in drill wells, with steam, water or horse-power, having from three to six inch cylinder, and from one to twelve feet stroke. The large cylinder Pumps will raise from fifty to one hundred and seventy-five gallons of water or oil per minute.

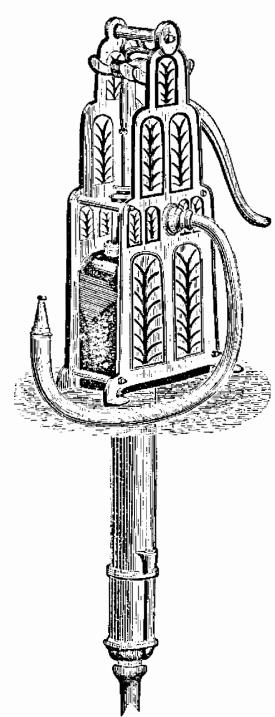
Double Acting Force Pump.

For Ships, Steambouts, and Five Purposes.



The above represents a new and powerful Pump, which we now manufacture. Cylinder 4 inch, 5½ inch stock, 2½ inch suction, and 1½ inch discharge. We furnish the above, if thus preferred, with base set on substantial iron feet, 4 inches high.

No. 6 Gothic Force Pump.



This cut represents our No. 6 Gothic Force Pump. This Pump externally resembles the Gothic Well Pump, but is arranged with a strong air chamber, and provided with hose and discharge pipe, etc., as shown in the engraving. It is a powerful Pump, capable of throwing a % stream sixty or seventy feet, and a % stream seventy-five feet horizontal, or over a three-story building.

While this Pump supplies the place of an ordinary Well Pump, its great advantage is, that by attaching a hose pipe, it may be instantly used to prevent fires, and thus many buildings might be saved that would be destroyed were any other means relied on. It may also be made extremely useful in washing windows and carriages, and in watering gardens; as a small amount of hose will carry the water to any part of the premises for these purposes. Thus many dwellings in town or country may not only be supplied with a neat and convenient Well Pump for ordinary use, but with an engine which will hardly ever fail to be a sure protection against These, and other useful fire. qualities, commend it strongly to the public. As the working part

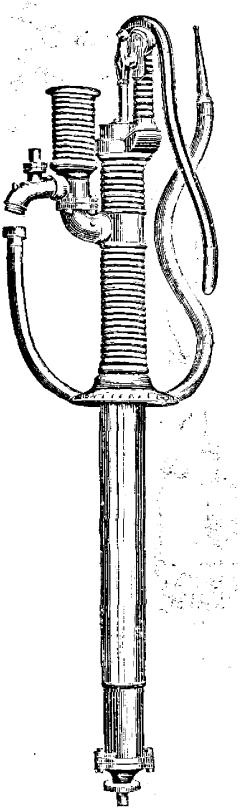
of this Pump is some three feet below the platform of the well or cistern, where there is a small let-off, there is no danger of its freezing.

Engine Well Pump.

This cut represents our new Engine Well Pump with air chamber attached, and so arranged as to throw a continuous stream. It can be used as an ordinary Well Pump as well as a Force Pump, and is admirably adapted to out-door, house or farm use. No farmer should be without one. With three feet hose and discharge pipe, water can be easily thrown over a two-story building, and with sufficient hose can be taken all over one's premises. This Pump can be arranged for wells of any depth. We will furnish standard and cylinder, if desired, fitted for 1\(\frac{1}{2}\) or 1\(\frac{3}{4}\) inch wrought iron or lead pipe, or we will furnish the pipe, if desired, for wells of ordinary depth. We fit for any kind or size of pipe desired.

The inside working parts of this Pump are about two or three feet below the platform of the well, and a small hole at that place will let off the water, so that it can never freeze up if the well is covered over!

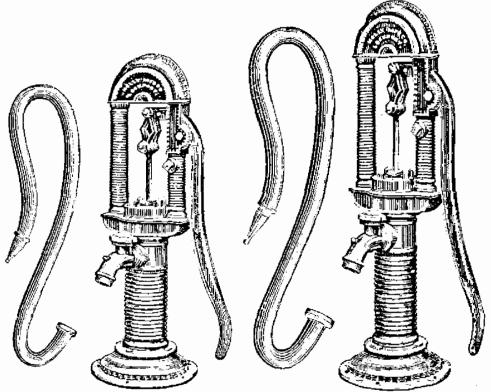
It has a Revolving Top or Brake to revolve around any side of the Pump, thus making it right or left handed.



No. 19. 3% inch Cylinder.

Revolving Top, Patent Arch Force Pump.

With or Without Hose.



No. 7. 234 inch Cylinder.

No. S. 3 inch Cylinder.

These cuts represent a new and beautiful style of Force Pump which we have just got out. Very many of our customers have heretofore objected to a Force Pump with the air chamber on the spout, on account of its unsightly appearance; we have accordingly got up these elegant and desirable patterns to take the place of the old style. The standard opposite the lever, and the half-circle top, is made hollow, and being connected with the cylinder it forms the air chamber. The standard which supports the lever is revolving, and can be placed in any position by simply unscrewing the cap to cylinder. This standard is made hollow, and by loosening the nut or plug (shown in the cut) it will at once be converted from a Force Pump into a common Cistern Pump, delivering a constant flowing stream when in use.

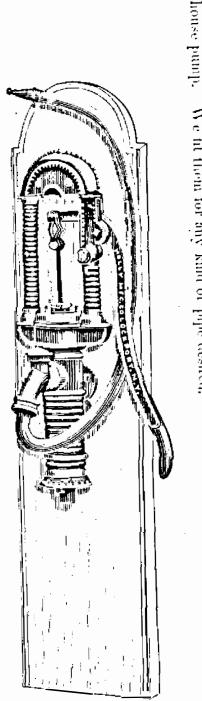
DIRECTIONS.—To get at the lower valve, take out the four brass set screws which hold the cylinder to base of Pump. To get at the upper valve and plunger, unserew the cap to cylinder and draw the plunger rod out at top. Each Pump is fitted with a double spout, arranged to connect pipes for forcing water into upper rooms.

We consider this the strongest and most efficient Force Pump in use of any of equal capacity, and confidently recommend it to our patrons and friends after the most thorough trials. Fitted for all kinds of pipe as ordered.

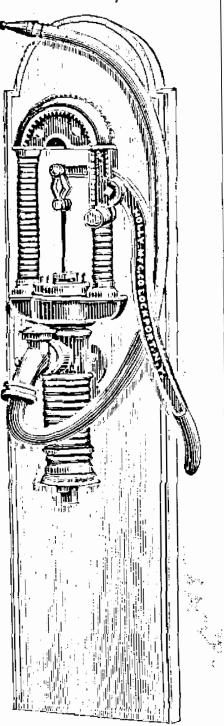
Revolving Top, Patent Arch Force Pump.

On Plank. With or Without Hose.

These cuts represent our Nos. 7 and 8 Arch Force Pumps, mounted on We fit them for any kind of pipe desired. They are made with brackets, and can be attached With the hose taken off, they can be used as an ordinary to plank or the side of a plank, with or without



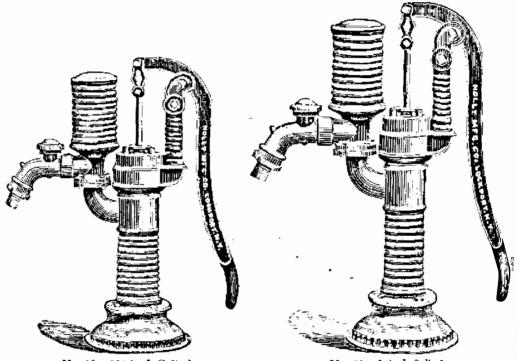
No. 7. 2% inch Cylinder.



No. 8. 3 inch Cylinder.

Without Hose.

With Revolving Top or Brake. New and Desirable Pattern.



No. 10. 2% inch Cylinder.

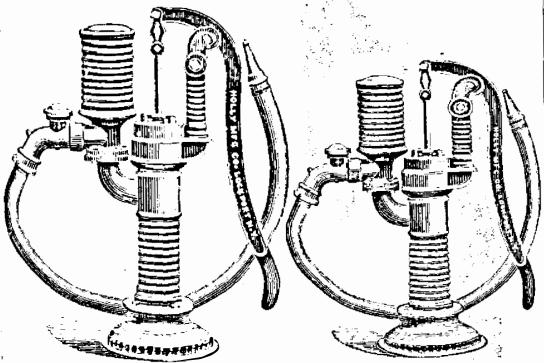
No. 11. 3 inch Cylinder.

Showing coupling and brass tube on spont for attaching lead pipe, which can be taken off at pleasure.

This is made on the same plan as ordinary Force Pumps, but much improved in design and finish over any similar kind in use. It is arranged with the double spout, same as the Arch Force Pump on page 36; and the directions which apply to that will also apply to this.

With Hose.

With Revolving Standard or Top.



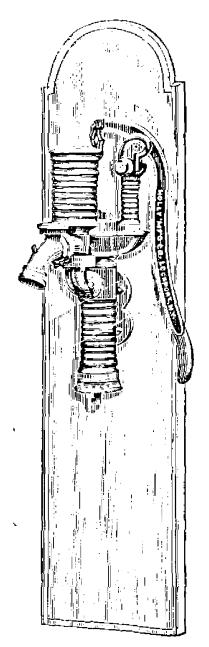
No. 11. 3 inch Cylinder.

No. 10. 2% inch Cylinder.

The same in all respects as those illustrated on the preceding page, except that it is made with hose attachment.

On Plank.

With Air Chamber on Spout. Without Hose.



No. 10. 2% inch Cylinder.

The cuts on this page represent a bandsome style of Pump, mounted on plank, being similar to

These Pumps, like the others, we fit for any kind of pipe as ordered. those presented on the preceding page. The hose is left off,

No. 11. 3 inch Cylinder.

On Plank.

on plank, which will be found very convenient in some places, as it can

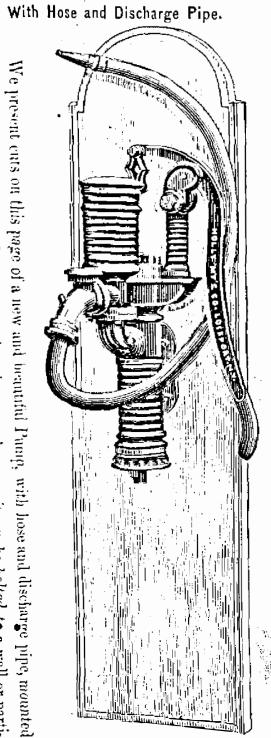
tion at any desired beight from the floor, thus obviating the necessity of a platform.

Fitted for any

With Revolving Top or Standard. With Hose and Discharge Pipe.

kind of pipe as ordered

No. 10. 2% inch Cylinder.



No. 11. 3 inch Cylinder.

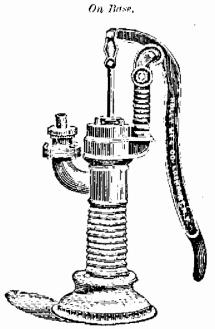
House Force Pump.

The cuts on this page represent Pumps arranged for raising and forcing water into upper rooms, for bathing and other purposes, by attaching lead or wrought iron pipe to the upper tubes, thus forcing it to any desired point.

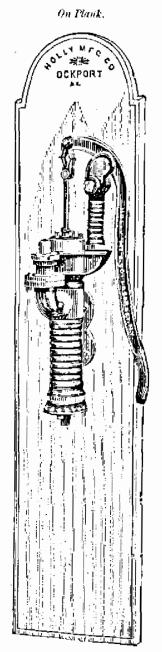
The cut on the right hand side, represents one mounted on plank, with brackets. This Pump will be found very convenient for many uses, as it can be fastened to a wall or partition, at any height from the floor, and obviates the necessity of a platform. The working parts of these Pumps are always accessible, and it has a revolving top, so that the lever can be changed to any position by simply unscrewing the cap on top of the Pump.

We fit them for all kinds of pipe, as may be ordered.

The cut on the left hand shows the same Pump, on base instead of plank.



No. 12, 234 inch Cylinder.

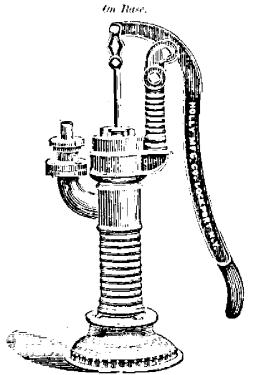


No. 12. 2% inch Cylinder.

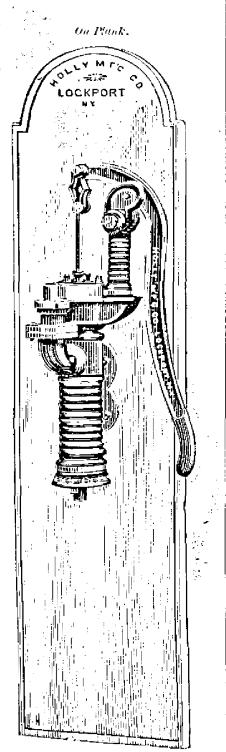
House Force Pump.

The cuts on this page represent our Pumps arranged for raising and forcing water to upper rooms, by attaching lead or wrought iron pipe to the tube. They are similar Pumps to the ones described on the preceding page, but are of larger calibre.

We fit them for any kind of pipe as ordered.



No. 13. 3 inch Cylinder,

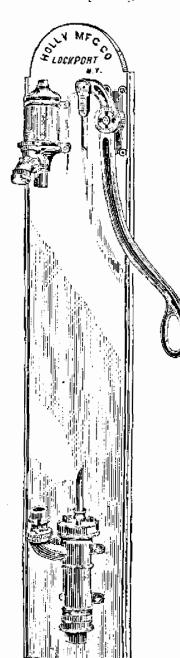


No. 13. 3 inch Cylinder.

Deep Well Force Pump.

On Plank.

[See Page 46 for view of Pump as it would appear in Deep Well.]



We present herewith a cut of our new Deep Well Force Pump, which we have got out at the request of many of our customers.

Directions for Putting Up.—Bolt the Pump or lower section to a plank or timber within about twenty feet from the bottom of the well. The handle and spout bolt to the same or another piece, as far above the top of the well as may be convenient for use. Pipe to be inserted according to depth of well between the connection or Pipe shown at bottom of air chamber, and the connection also shown to the left of the working part or evlinder of Pump, which will vary in accordance with the depth of the well. The rod that connects the piston and handle will require to be spliced according to the length required. The rod, when long, should be kept steady by means of guides. There should be a vent of the smallest kind, say two or three feet below the platform, to prevent freezing.

This Pump is designed for wells of any depth from ten to one hundred feet.

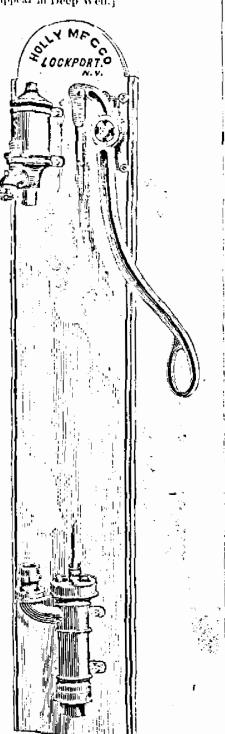
No. 14. 234 inch Cylinder.

Deep Well Force Pump.

on Plank.

[See Page 46 for view of Pump as it would appear in Deep Well.]

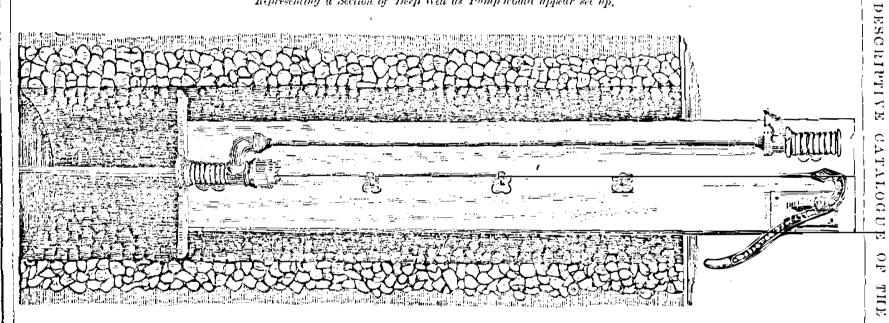
The cut on this page represents our Beep Well Force Pump, 3 inch cylinder; otherwise it is in all respects similar to the one described on preceding page.



No. 15, 3 inch Cylinder.



Representing a Section of Deep Well as Pump would appear set up,



This cut shows a section of a Deep Well with the Pumps Nos. 14 or 15, as they would appear set up. We suppose the well to be about fifty or sixty feet deep. Pump is placed forty feet from top of well, and twenty feet from bottom.

No. 17 House Force Pump.

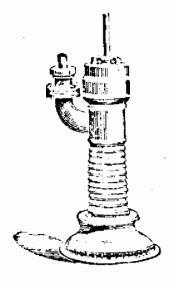
On Plank.

With Pitman and Guide, and Sliding Cross-head.

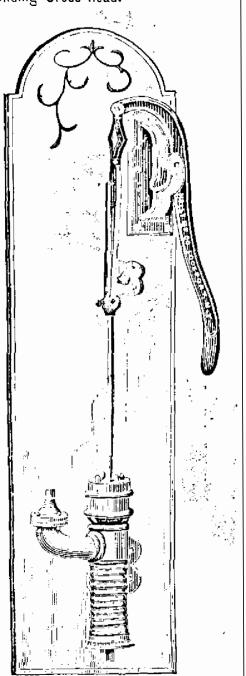
This Pump is attached to plank, with Pitman and Guide, and Sidding Crosshead. It is designed particularly for house use.

Fitted for such pipe as ordered.

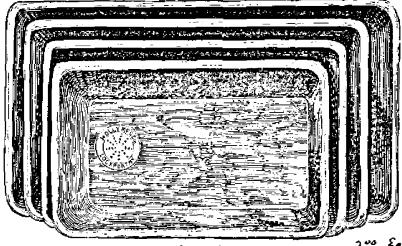
Wind Mill Force Pump.

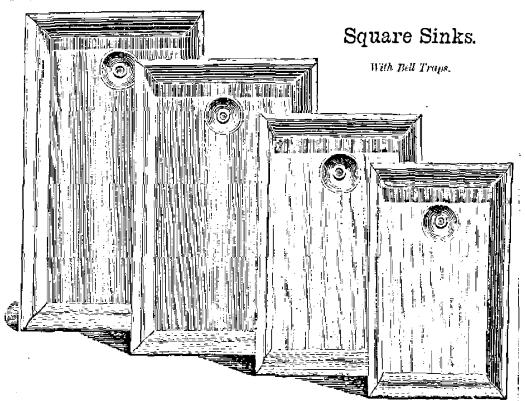


These Pumps are made either with base, or with brackets to attach to plank, as desired. We also make them with or without air chamber as preferred, and of various sizes.



New Round Corner Sinks.

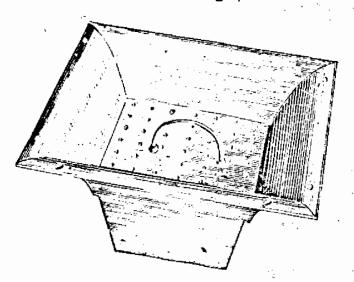




No. 2, No. 3, No. 4,

A very handsome pattern, •. G. style, arranged with descent to carry water to strainer. Rell Trap attached. We make four different sizes as above.

Sewer Traps,

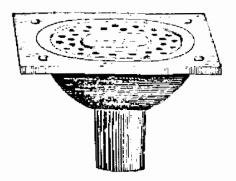


With strainer to prevent the passage of anything except water; and arranged with inverted bell underneath to prevent nauseous gases from arising.

Size, 16 by 16 inches.

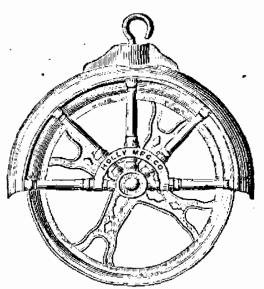
Bell Traps.

New Style.



All are familiar with the principle of the Bell Trap. We have combined in the above all the latest improvements, and can recommend it to our friends as one of the best in market.

Well Wheel.



A new, neat and desirable pattern. Very useful in raising water from Wells, by means of a rope or chain, with a bucket attached to each end. May be used wherever a Pulley Block is required, and will sustain a weight of 1,000 pounds.

We make three sizes of this style, viz.:

10 inch.

12 "

14 "

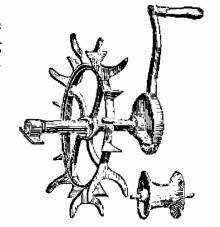
And of this style, one size: 6 inches.



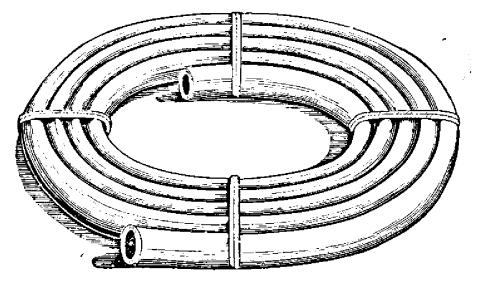
This style is largely used for the various kinds of Horse Hay Forks.

Sixteen Forked Reel,

The annexed cut shows our Sixteen Forked, Chain Pump Reel, possessing advantages superior to any now in market, having a shield to cover ratchet; with many other new and desirable improvements.

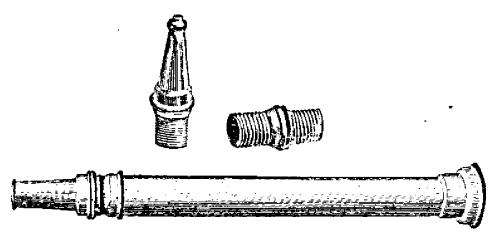


Rubber Hose.



We furnish all sizes to order. We also furnish Leather Hose, for Hydrants, Fire Engines, etc.

Brass Hose Couplings and Nozzles.



We make all sizes to order.