

January, 1900.

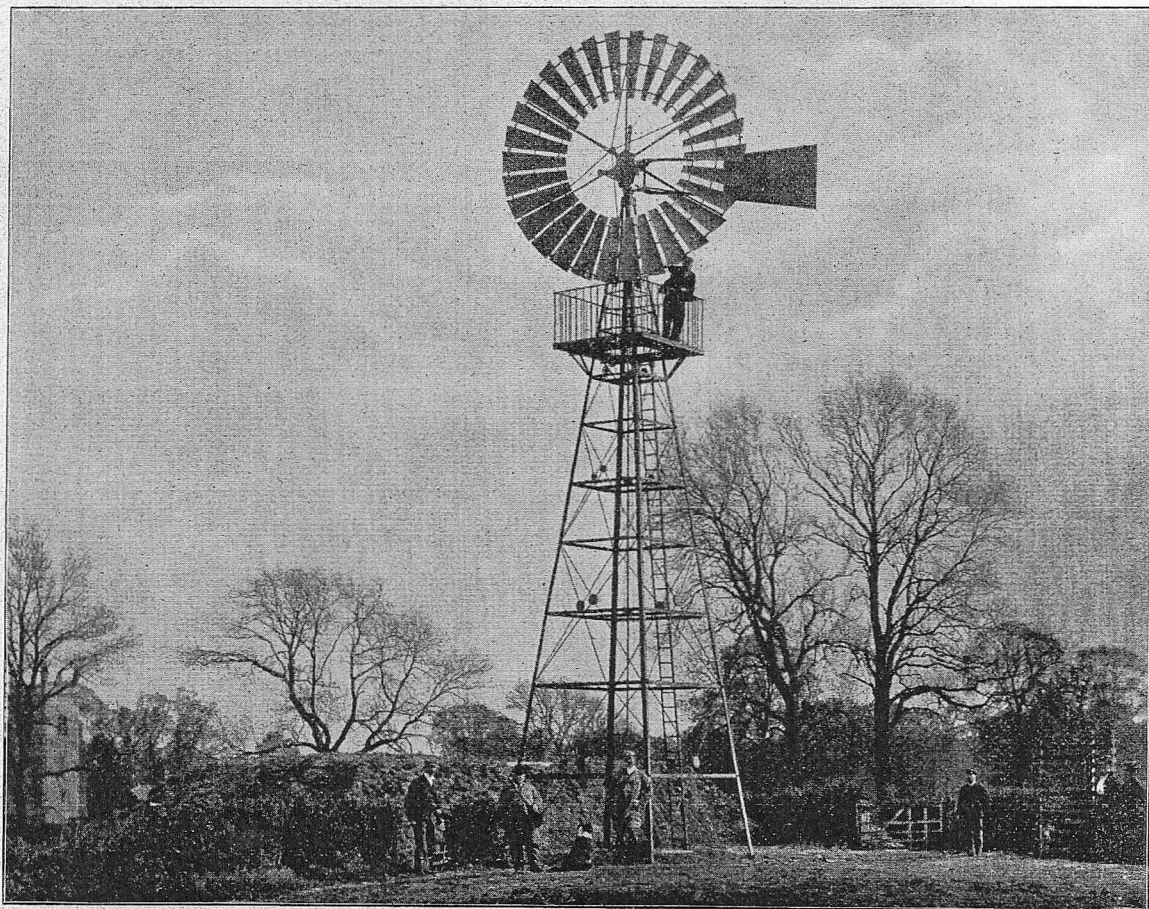
ALL PREVIOUS LISTS CANCELLED;

CATALOGUE OF WIND ENGINES

"HERCULES" WIND ENGINES are specially designed for pumping water for supplying Farms, Mansions, Villages, &c., and are adapted for Irrigation and Drainage purposes.

MANUFACTURED BY

E. & H. ROBERTS, Ltd., DEANSHANGER IRON WORKS, STONY STRATFORD, ENGLAND.



THE above illustration represents a 14-ft. Steel "Hercules" Windmill, as erected by E. & H. ROBERTS, LIMITED, for the Right Hon. Lord Penrhyn, to supply Wicken, a Northamptonshire village containing 500 inhabitants, with water.

THE "HERCULES" STILL LEADS THE WAY

Sirs,

Estate Office, Wicken, Stony Stratford, April 7th, 1900.

I have very much pleasure in stating that the Two Windmills you put up on the Wicken Estate have given very great satisfaction.

Yours truly, LAURANCE CARTER, Agent to LORD PENRHYN.

FURTHER PARTICULARS UPON APPLICATION.

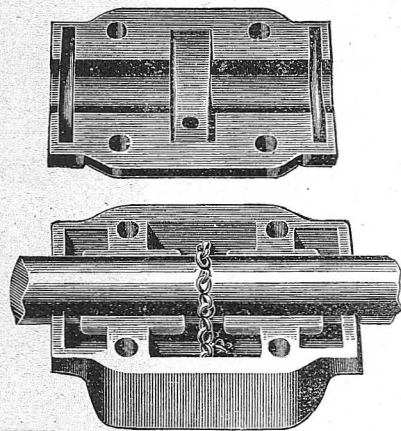
The accompanying table shows about what may be expected with different sized cylinders and single acting pumps in good order, elevating various distances. In estimating "elevation" measure the vertical height to highest point water is to be delivered above low water mark in the well.

8-ft. mill	{	Elevation	25 ft.	50 ft.	100 ft.		
		Diameter of Cylinder	3½ in.	3 in.	2½ in.		
10-ft. mill	{	Gallons per hour	432	374	268		
		Elevation	50 ft.	100 ft.	150 ft.	200 ft.	
12-ft. mill	{	Diameter of Cylinder	4 in.	3 in.	2½ in.	2¼ in.	
		Gallons per hour	800	475	330	260	
14-ft. mill	{	Elevation	50 ft.	100 ft.	150 ft.	200 ft.	250 ft.
		Diameter of Cylinder	5 in.	4 in.	3½ in.	3 in.	2½ in.
	{	Gallons per hour	1500	960	736	540	375
		Elevation	50 ft.	100 ft.	150 ft.	200 ft.	250 ft.
	{	Diameter of Cylinder	6 in.	5 in.	4 in.	3 in.	3 in.
		Gallons per hour	1900	1220	900	700	450

These Calculations are based upon a 12 to 15 Mile Wind.

Self-Oiling Journal Bearings.

THERE are but three bearings requiring oil, beside the roll journal before described, each of which is supplied with a patent oil-reservoir, shown in the accompanying cut, which holds a supply of oil sufficient to last several weeks. It may be readily seen from the cut how the endless chain carries the oil from the reservoir below to the bearing; and as it drips back into the reservoir, the length of time it will oil the mill with a single filling depends upon the quality of oil. The shaft bearings being self-adjusting, the wear is at all times distributed over the full length of the bearing. Although the new-fangled notion of graphite bearings has been widely advertised for use on Windmills, it is a fact already established that in order to keep these bearings from crying "grease" after they have passed through a rain storm, it is necessary to send a small boy up the tower with an oil can. Old-fashioned oil is most reliable. The **Hercules** is the only Windmill provided with means of oiling its bearings for any length of time without climbing the tower. While some customers have reported that they found a single oiling sufficient for a month, we think it advisable for a man to go up once every ten or twelve days to see that everything is in order and fill the reservoirs.



IF in any Enquiry you will give us the Answers to the following Questions, we will, free of cost, furnish you with an estimate for a Mill suitable for your requirements:—

- 1.—For what purpose is the Wind Engine to be used?
 - (a) For pumping water?
 - (b) For driving machinery?
 - (c) Is it to be used for both purposes.
- 2.—State (if possible) approximate Horse Power required; also the amount of work the Wind Engine is to perform daily, to enable size to be decided upon.
- 3.—What height of Tower will be required to obtain a free and unobstructed current of wind?

- 4.—At what distance are trees or buildings, and what is the height of each?
- 5.—What is the nature of the ground and foundation on which the Tower is to be erected?
- 6.—If the Wind Engine is to be used for pumping, state what quantity of water is required to be raised in 24 hours?
- 7.—Depth of well or spring below surface of the ground, diameter of well (inside), also average depth of water in it?
- 8.—Distance from well or spring to reservoir?
- 9.—Elevation of tank or reservoir above the well or spring?
- 10.—Storage capacity of reservoir or tank?
- 11.—If for pumping water, is any existing pump to be used? If so, describe it fully?
- 12.—State the purpose for which the water is required, whether for domestic use, agricultural purposes, irrigation or drainage?
- 13.—State if Wind Engine may be fixed on top or close to well or spring?
- 14.—If an artesian well, give size and state water level below ground, and if a partly sunk well give all particulars?

PRICES OF WIND ENGINES

Suitable for Pumping Water for Wells, Springs, Bore Holes, or Artesian Wells.

8 ft. Steel Windmill	£14 17 6	12 ft. Steel Windmill	£26 17 6
10 ft. „ „	19 5 0	14 ft. „ „	33 10 0
EXTRA STOUT STEEL TOWERS (for 8 and 10 ft.)		20 ft. high, £15 5 0
„ „ „ „ „ „		30 ft. high, 17 17 6
„ „ „ „ „ „		40 ft. high, 20 7 6
„ „ „ „ „ „		50 ft. high, 24 5 0
LIGHT STEEL TOWERS (for 8 and 10 ft.)		20 ft. high, 12 18 6
„ „ „ „ „ „		30 ft. high, 15 5 0
„ „ „ „ „ „		40 ft. high, 17 10 0
„ „ „ „ „ „		50 ft. high, 21 15 0
EXTRA STOUT STEEL TOWERS (for 12 and 14 ft.)		20 ft. high, 16 10 0
„ „ „ „ „ „		30 ft. high, 18 14 0
„ „ „ „ „ „		40 ft. high, 23 13 0
„ „ „ „ „ „		50 ft. high, 28 7 6
LIGHT STEEL TOWERS (for 12 and 14 ft.)		20 ft. high, 15 5 0
„ „ „ „ „ „		30 ft. high, 17 17 6
„ „ „ „ „ „		40 ft. high, 20 10 0
„ „ „ „ „ „		50 ft. high, 25 0 0

ROBERTS' PRIZE MEDAL

14-ft. 'HERCULES' STEEL WINDMILLS

Are specially designed for Pumping, Irrigation, Drainage, &c.

ROBERTS'
'HERCULES'
WINDMILLS
have been
Awarded
FOUR
FIRST PRIZE
MEDALS.



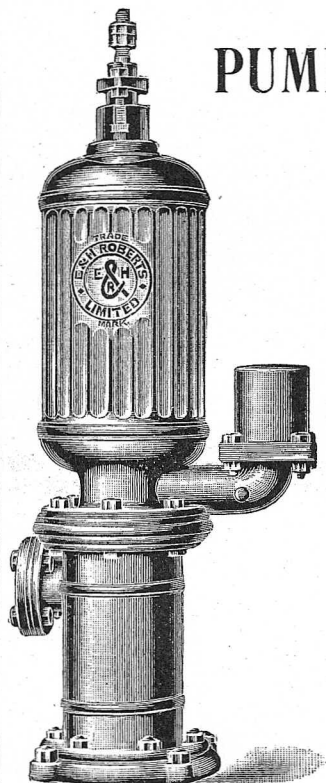
ROBERTS'
'HERCULES'
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FOUR
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MEDALS.

THE above illustration represents a 14-ft. "Hercules" Windmill, as erected for the Trustees of the Delapre Park Estate, now supplying with water the village of Hardingstone, containing upwards of 800 inhabitants, and situated about two miles south-east of Northampton.

For Dairy and Stock Farms the most useful Mill is the HERCULES, as it will furnish fresh water the largest proportion of time.

For Irrigation or Drainage, where large quantities of water are to be raised in given time, the HERCULES has no equal.

PUMPS FOR WINDMILLS



No 1

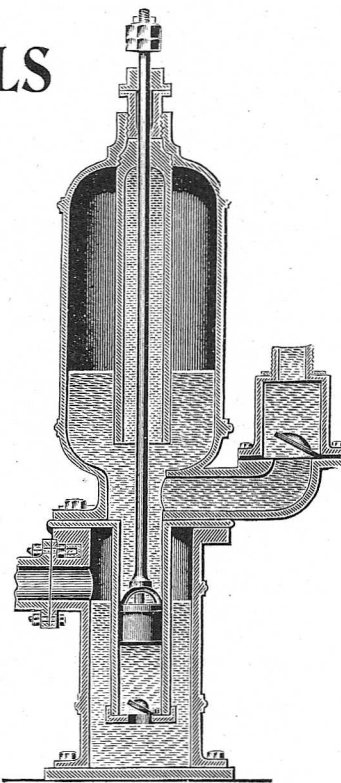
ILLUSTRATIONS 1 and 2 show our specially constructed Pumps for Windmills, being provided with extra large air chambers and the bucket being always under water and the pump always charged. The working Barrels of our pumps are of solid gun-metal. The Bucket Valves and Valve Seats are of best gun-metal and faced with hydraulic leather. The Piston Rods are of steel to ensure great strength, and coated with solid drawn gun-metal tubes, where it works through packing to prevent corrosion, &c.

Illustration No. 1 shows pump fitted complete for windmill. No. 2 sectional, shows all internal working parts.

Prices:

Internal diameter in inches—

2 ins.	2¼ ins.	2½ ins.	3 ins.	4 ins.
£4 13 6	£5 5	£6	£7 3	£9 7
5 ins.				
£13 15				



No. 2

TESTIMONIALS.

Dear Sirs,

Stowe Lodge, Weedon
23rd August, 1894.

The Wind Engine for water supply which you fixed here last year does its work extremely well. It is fixed, as you know, half-a-mile from the house, and when there is but a slight wind there is always a constant supply of water.

I propose obviating the little inconvenience we experience when there is no wind, by making the storage capacity twice as large. At present the storage capacity lasts about four days; five days is the longest period we have been without the Windmill working, and prior to that, thousands of gallons had overflowed and wasted, which, if we had accommodation for it, would have been stored. I reckon that in twenty-four hours' ordinary wind, the mill would pump enough water to last over a fortnight.

I mention the above facts to show there is no fear of running short when there is a calm. I shall be pleased to let anyone see the Windmill, and will endeavour at the same time to explain to the best of my ability the working of it. I must add that it requires but little attention, which must be carried out with a certain amount of care.

Yours faithfully,

THOMAS HORTON

Lords Fields Farm, Whittlebury, Towcester,

Gentlemen,

May 15th, 1894.

I am pleased to say the Windmill and Pump supplied and fixed by you on this farm in my occupation by order of W. Paterson, Esq., agent to His Grace the Duke of Grafton, K.G., gives me every satisfaction. Since its erection I have had a constant supply of water in the tanks for use in the house and dairy, and the arrangement made by you to supply my cattle and horse-yards with the water after having been used through the milk refrigerator is an excellent one, as there is no waste, and the overflow running into the moat, which waters other fields, is a great advantage. The

Wind Engine and Pump, since it was erected, has stood the test of the severe gales of last winter without damage, while a windmill on the adjoining farm was blown to pieces. It has exceeded my expectations; it requires so very little attention merely starting and stopping. I get all the water I require by its pumping two or three hours a day. I shall be pleased to recommend and show it to anybody requiring such a one at any time.

I am, Gentlemen,

Yours faithfully,

THOS. J. ALLEY.

Castletorpe,

Stony Stratford, Bucks.,

May 11th, 1895.

Gentlemen,

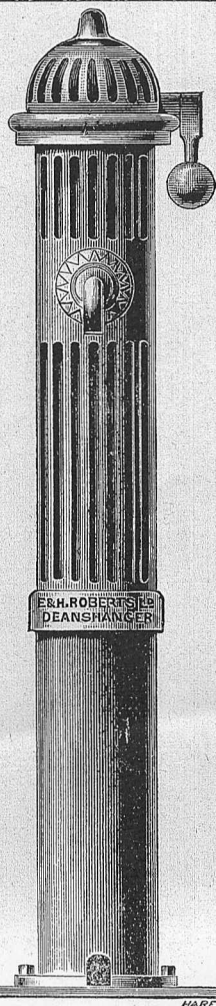
We are pleased to say that the Windmill and Pumping Arrangements you fixed for us last August has more than passed our expectations in providing us with a constant supply of pure water from our well, from which the whole of the tanks in the house and adjoining buildings are supplied. We are also pleased with your arrangement for cooling our milk, so that the water after cooling the milk is utilised for supplying the cattle-yards and cow-houses with a good supply of pure water; we consider this has made your system a perfect success.

The best recommendation you could have would be that any gentleman taking an interest in the matter should see for himself the efficient manner in which the work has been carried out, and we accordingly shall be pleased to show and explain the whole system to anyone who may wish to examine the same on the spot at any time.

Believe us to remain,

Yours faithfully,

WHITING BROTHERS.



NEW PATTERN

ANTI-FREEZING STAND PIPE.

THIS Stand Pipe has been designed to meet a demand for a thoroughly reliable Anti-freezing Stand Pipe, at a reasonable Cost.

We guarantee this to be made of the best material throughout. The internal working parts are of gun-metal, the valve seat faced with hydraulic leather, and can be replaced with a new one in two minutes. It is so constructed that when fixed inspection and all repairs can be made without removing any of the pitching or brickwork—a great consideration and saving of expense.

PRICE - - £3 18 6

Extra Stout Gun-metal Fullway Taps, specially made for this purpose	1 inch	0 10 6
Ditto Ditto	$\frac{3}{4}$ "	0 9 0
Cast-iron Dishpans, made to fix in brickwork with grids or grates		0 4 0
Stop-cock Box		0 3 0

SECTIONAL ILLUSTRATION

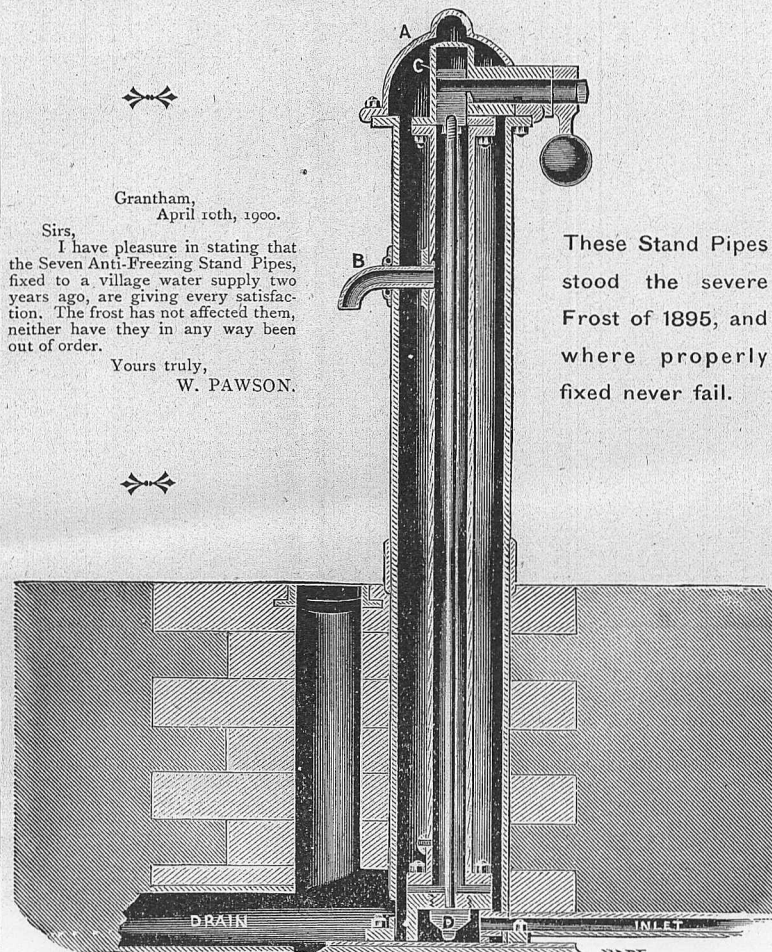
Showing the Construction and Method of Fixing and taking it apart.



Grantham,
April 10th, 1900.

Sirs,
I have pleasure in stating that the Seven Anti-Freezing Stand Pipes, fixed to a village water supply two years ago, are giving every satisfaction. The frost has not affected them, neither have they in any way been out of order.

Yours truly,
W. PAWSON.



These Stand Pipes stood the severe Frost of 1895, and where properly fixed never fail.

FIRST remove the cap marked A by taking out the small bolts, unscrew the spout marked B, place a spanner on the key on top of the inner pipe marked C and unscrew the same, it can then be lifted out and inspected and repaired if required. The valve marked D can be adjusted to supply at any pressure.

TESTIMONIALS

These are a few specimens of the numerous Testimonials received.

Dear Sirs,
Inglesham, Lechlade,
November 23rd, 1895.

The Hercules Wind Engine supplied by you is giving every satisfaction, and is, I think, admirably adapted for pumping water where a large quantity is required, as it works with very little wind. Wishing you every success with the Hercules,

I remain yours faithfully,

HARRY MAUNDRILL,

Little Linford, Wolverton R.S.O., Bucks.

Dear Sirs,
November 23rd, 1895.

I am pleased to say I can speak very highly of the Hercules Windmill, and deep-well Pump you fixed for me in June. It requires but little attention and does its work well. Where a quantity of water is used for milk cooling, &c., it saves a great amount of labour, and insures the milk being properly cooled.

Yours truly, GEO. TAYLOR.

Grand Junction Canal, Engineer's Office, Bulbourne, Tring,

Dear Sirs,
November 27th, 1895.

Herewith I enclose you cheque in settlement of your account for work executed in connection with laying on a water supply at Langar Hall, Notts. I am pleased to say that the patent Hercules Windmill, and Pump erected by you is giving every satisfaction, and I hope soon to be able to place other orders with your firm.

Yours truly, GORDON THOMAS.

Turnham Green, Chiswick, London, W.,

Gentlemen,
December 6th, 1895.

Re Windmill Pump fixed at Edmonton.

As requested by our customer, Mr. Whitley, Fir Nurseries, Edmonton, we have much pleasure in informing you that the Windmill and Pump you fixed for us gives him every satisfaction, and that he is very pleased with it, and will recommend it wherever he can do so.

Faithfully yours, J. THORNTON.

Stony Stretton Hall, Yockleton, Salop,
Boreatton Estate, March 7th, 1896.

Dear Sir,

I am pleased to be able to report that the Wind Engine and Pump fixed by you on the above in September last has been a great success. Everything works smoothly and well, and I have been astonished sometimes at the small amount of wind required to work the Mill. We have had several heavy gales since the work was done, but are none the worse. I consider the automatic arrangement for stopping the pump when the tanks are full, very good indeed. If of any use, you are welcome to shew the Mill to any would-be customers in this part.

Yours truly, E. C. CARTWRIGHT,

Agent to ROWLAND HUNT, Esq.

Nine Wells, Chirnside,
March 25th, 1896.

Dear Sirs,

It gives me much pleasure to inform you that the 12 ft. Hercules Windmill which I have erected has given my customer the utmost satisfaction. A constant supply of water has always been to hand ever since its erection, nine months ago. I placed a horse-gear alongside the pump when void of wind, but there has never been a horse attached to it owing to the Mill being so easily driven, the slightest wind is able to drive it.

I have just received an order for another 12-ft. Mill, please to put same to hand and forward without delay.

I am, yours faithfully, JOHN MCBAIN.

Stenigot, Lincoln,
April 11th, 1896.

Gentlemen,

The water wheel and pump supplied by you has more than equalled our expectations, as although only 4 ft. 9" diameter and 19" wide, one-fourth of the water running through a six-inch pipe is sufficient to work the wheel from eight to nine revolutions per minute; this supplies all the water required for our yard, having one hundred head of cattle. When the engine is running it makes no difference, as the wheel soon fills up the tank after a barrel-full has been drawn from the tank. We consider the automatic gear, supplied by you to stop the wheel when the tank is full, most useful. It saves hours of running for the wheel and pump, thus greatly prolonging the life of the wearing parts. We shall be most happy

to show the whole of the wheel and all arrangements for the supply, to anyone interested, as by doing so we shall help to remove one of the greatest troubles and expense attending farming in this neighbourhood.

We remain, yours faithfully,

RICHARD & ROBERT CHATTERTON.

Willoughbridge, Market Drayton, Salop,
May 1896.

Sirs,

I have delayed expressing my opinion of the Hercules Windmill and Pump which you have erected here for me until it had been well tested. I write now to say the Windmill is entirely satisfactory and a great success, we have had an abundance of good water pumped by it to the top of the Hill during the late drought. The manner in which the Mill adapts itself to the force of the wind is perfect. Many have been to see it and I shall be glad to show it to any whom you may recommend.

Believe me, yours truly, A. C. HARKNESS.

Middleton Estate, Tamworth,
July 16th, 1896.

Dear Sirs,

I have handed your account to our Vicar and asked him to kindly forward cheque for work to our School, and I am pleased to tell you how proud I am of the way in which you have executed the whole of the work, both to the Farmstead and also the School, and I shall have great pleasure in recommending your excellent windmills to any gentleman that requires a water supply.

I am, Sirs, yours faithfully, WILLIAM LEE.

Wollaton, Nottingham,
July 28th, 1896.

Dear Sirs,

The Hercules Steel Wind Engine supplied by you on Lord Middleton's property at Middleton (Warwickshire) is doing its work very satisfactorily. The water is pumped in sufficient quantity for the Village and Farm buildings and the slightest wind seems to effect the machinery and put it into work without friction.

There is a continuous flow of water into the reservoir from the pipes whenever the Mill is at work.

I am, yours faithfully,

Agent to LORD MIDDLETON,

WM. WRIGHT.

Gentlemen,
Tarporley, Cheshire,
September 17th, 1896.

re Waterwheel and Pumps.

Owing to bridge repairs and disputes we only started the Waterwheel and Pumps for the supply of Ince Hall on Monday for regular work. It goes splendidly, and will work up to near 5,000 gallons per day. One thing is certain, if they find the water your machinery can lift it. I personally am more than pleased with it, and hope to get a letter from Mrs. Yates and the Trustees for you to the same effect. Thanks for photo.

We remain, yours faithfully, REECE BROTHERS.

The Oak Farm, Broomhall, Nantwich,
December 26th, 1896.

Dear Sirs,

I am pleased to say the Hercules Windmill and Pump supplied and fixed by you by order of Anthony Shaw, Esq., on this farm, in July last has worked extremely well and is far the best method for supplying water I know of. It is a great saving of expense and trouble on carting water. We have built a long trough for watering the cattle through which we run the water after cooling the milk. The overflow also runs through this and supplies over 100 head of cattle daily with good pure water; the least wind is sufficient to work the Windmill and keep us with a fresh and plentiful supply of water. I shall be pleased to show the Windmill and all arrangements to anyone, as I believe if it were better known it would be more frequently used for supplying water to farms and large houses.

I remain yours faithfully, W. WRIGHT.

Bolton Lodge, Bolton Percy, Yorkshire.

Mrs. Oliver is glad to be able to say that the Windmill and Pump is working satisfactorily, a few days lately there was absolutely no wind and we were growing short of water but again it is filled. Mrs. Oliver would recommend anyone wanting such a Mill to Messrs. Roberts.

TESTIMONIALS.

Bridgewater Iron Foundry and Engineering Works
My Dear Sirs, November 19th, 1895.

We have much pleasure in stating that the Windmill works very well, and is, as you say, Automatic, taking care of itself in the strongest gales, of which we have had proof. We think the Steel Tower supplied is as good as it can be, and although the appearance is neat and light there is great strength, as it stood that terrific gale of wind a week ago when several vessels on the coast were driven ashore, but the Tower stood out the gale and nothing went wrong and no signs of strain in any way. We also think the Pump supplied to be an exceedingly good one in all its details.

Yours truly, JAMES CULVERWELL.

Bridgewater Iron Foundry,
Dear Sirs, January 8th, 1897.

We have pleasure in now adding that since writing the first testimonial that the Windmill Hercules is working as well as ever, has stood all weathers and has given no trouble and no expense. It stands near the sea coast and very exposed.

Yours faithfully, JAMES CULVERWELL.

Rhiwlas, Pentraeth, Anglesey,
Gentlemen, January 26th, 1897.

It gives me much pleasure to say that I have every reason to be satisfied with the Hercules Windmill supplied by you for pumping and conveying water from well to reservoir. I have not worked it when there has been great pressure of wind, but if it were necessary to do so I should have no hesitation in letting it go. I shall be able to recommend it with confidence to any enquiring friends and have already done so in the case of a lady in this neighbourhood.

Yours faithfully, J. REES ROBERTS.

Wheatley Grange, Retford,
Dear Sirs, February 5th, 1897.

I am pleased to say the Windmill and Pump supplied and fixed by you on my farm gives every satisfaction. It has exceeded my expectations, two or three of my neighbours have Mills by other makers but in my opinion they are not to be compared to yours. I have had many gentlemen to see it who understand them and they are of the same opinion that it is on the best principle of anything they have seen. The governing device is so good, no matter how hard the wind may blow the Pump works as regular as clock-work. I wanted to test the Mill properly before I gave my experience of it and I can say I never was so pleased with any money I ever spent in all my life. I cannot speak too highly of it, and it requires so little wind to work it. I shall be pleased to show it to anyone at any time.

Yours truly, GEO. BINGLEY.

Sand Hall, Crowle, Doncaster,
Dear Sirs, March 28th, 1898.

I am pleased to be able to report that the "Hercules" Windmill and Pump fixed by you on my farm last September, by order of the Trustees, has been a great success. Everything works well, and I have been astonished sometimes at the small amount of wind required to work the Mill. We have had several heavy gales since the work was done, but are none the worse. I should not like to be without it. If of any use, you are welcome to show the Mill to any would-be customers, and I will recommend it to my friends.

From yours truly, PERCY HANLEY.

The Lodge Farm, Metheringham Heath, Lincoln,
Gentlemen, February 21st, 1899.

I am pleased to say the "Hercules" Windmill and Pump supplied and fixed by you last year on this farm in my occupation, by order of H. C. Chawen, Esq., (agent to the Right Hon. The Earl of Lonsborough), gives me every satisfaction. Since its erection I have had a constant supply of water in the tanks for the house and yards. The arrangements are perfect.

Yours truly, ROBT. SPENCER.

Melton Brand, Doncaster,
Dear Sirs, March 1st, 1899.

I have much pleasure in recommending your "Hercules" Windmill and Pump you fixed upon my farm last year. It is perfectly satisfactory, and a great saver of labour. I should not like to be without it. It is the best pump that is made, in my estimation.

Yours truly, S. E. PARKIN.

Highfield, Metheringham, Lincoln,
Dear Sirs, March 4th, 1899.

I have much pleasure in stating that the "Hercules" Windmill and Pump erected by you upon my farm last October has proved very satisfactory; although I have not much room to store the water, I have never been without since its erection. The heavy gales we have recently experienced have not injured it in the slightest.

I am, yours faithfully, E. G. ALLEN.

Hythe, Southampton,
Dear Sirs, March 21st, 1900.

I have much pleasure in recommending your Hercules Windmill, as the one you fixed for me about two years ago, has been in every way satisfactory. It stands on the top of a very high hill, on the edge of the New Forest, and is most exposed to very strong winds. *My last one of another make was blown away in a gale, but I have had no trouble with yours.* It does its work well, and I consider it far the best Mill in the market.

Yours truly, FREDERICK HEWITT.

The Manor House, Barnoldby-le-Beck, Great Grimsby,
Dear Sirs, March 23rd, 1900.

The 10 ft. Hercules Wind Engine and Pump you fixed for me two years ago, has given entire satisfaction, without any trouble whatever. I have a never-failing supply of pure water at my Farmstead, which is 100 ft. above and half-a-mile from where we get our supply. With proper care and oiling, the engine, I have no doubt, will wear for many many years, and prove an excellent investment, as previous to its erection the water carrying was a serious daily expense to me.

I remain, yours faithfully, A. CHARLES BURKINSHAW.

South Collingham, Newark,
Dear Mr. Tompkins, March 26th, 1900.
The "Hercules" Wind Engine, which you erected for us at Norton House, is satisfactory.

Yours faithfully, SMITH, WOOLLEY & WIGRAM.

Bulland Lodge, Wiveliscombe,
Dear Mr Tompkins, March 26th, 1900.
The "Hercules" Wind Engine, which you erected for me in November, 1898, was in use all last summer, and so far it has done its work well, and seems satisfactory in every way.

Yours faithfully, ARTHUR CAPEL.

Buckden,
Dear Sirs, April 11th, 1900
Your Windmill "Hercules" and Pump give me every satisfaction, and save a lot of manual and horse labour. It seems incredible now how we managed before we had them.

Yours truly, H. CRANFIELD.

11, King Edward Street, Oxford,
Dear Sir, April 6th, 1900.
The Hercules Wind Engines, recently erected at Moredon Farm, for Pembroke College, and at Newton Longville, for New College, have up to the present time given every satisfaction, and have efficiently done the pumping work required for the schemes with which they are connected. The Water Scheme carried out by you at Clyffe Pypard has also up to the present worked in a satisfactory manner.

Yours faithfully, CASTLE, FIELD & CASTLE.

Pipsmore, Chippenham, Wilts.,
Dear Sirs, April 14th, 1900.

I have much pleasure in expressing my satisfaction in efficiency of your "Hercules" Wind Engines for pumping water, also for raising it to great heights. I consider the principles upon which your engines work, viz., the rolling eccentric, reduces the friction of the working parts and considerably increases the amount of water pumped in light winds to what other engines do under the same conditions. I have erected several of your engines in most exposed positions it is possible for any Wind Engine to live in, and have watched the automatic governing arrangement, viz., the dead weight governor, and find it answer the purpose to control the engine in the severest gale. There is also another strong point in favour of your engine, and one that gives my customers satisfaction—there is no Saturday night, no grumbling or complaining at the amount of work. Why? Because you have supplied large reservoirs and self-oiling device, and requires to be only occasionally filled; and the engines are of sufficient strength to do the work required of them. After several years of practical experience in erecting your Wind Engine, I have thus pleasure of sending my experience, which also coincides with those of my clients. Please find cheque enclosed for 9 Wind Engines.

Yours faithfully, B. TOMPKINS,
Expert Water Finder.