

## Threshing Machine references

### ADM 66.128 RECEIVERS OUTLETTERS 1804-07 18060413 to Dinning

Newcastle 13<sup>th</sup> April 1806

Mr Dinning

We have at last got the Dimensions of the [Tower] for Outchester and Borewell Farms Threshing Machines and desire to have an Estimate for as the Dimensions are alike one Estimate will do. Mr Cargey agreed to Build his Tower at his own Expence & to pay eight per Cent for the Money expended in erecting the Wind Machine and Mr Weatherly agreed to pay 8 per Cent for the whole expence the Hospital to build the Tower & both of them to engage to keep and deliver of the whole in good condition

Dimensions

	Feet	Inches
Diameter at Bottom	24	-
Thickness of Wall at D <sup>o</sup>	2	6
Diameter at Top	15	-
Thickness of Wall at D <sup>o</sup>	1	8
Height	45	-

On Wednesday the 16<sup>th</sup> we set out for Keswick and before our setting out propose sending away several Estimates for your District

Mr Bailey has very handsomely given us liberty to get Free Stones either upon New Town Farm or in [...] Side Quarries and you must most scrupulously attend to that [&] the Quarries being regularly worked and an exact acco<sup>t</sup> taken of the Loads of Stones which are gotten for our Buildings. We only propose the Stables this Season. Two, each 42 by 16 & 16 high. We are

Your very hble Serv<sup>ts</sup>

Walton & Forster

### ADM 66.86 RECEIVERS OUTLETTERS 1806-10 18060620A & B Threshing Mill Estimate pages 51 & 52

Estimate from John Dunn and Specification of a Wind Mill for Thrashing. And a pair of Gray Stones for Ginding (sic), Wind Wheel to have five whips. Diameter of the Wind Wheel Fifty feet. Sise of the Whips at the Flange eighteen Inches by eight Inches and half thick, and a proper strength at the extremity or top of the Whips. Framing on the top of the Tower. Side Beams twelve inches square And all the rest of the Framing in a proportionable Strength. Side beams for the Sail for turning the Mill to the Wind. Twelve Inches joining the framing on the top of the Tower by six Inches thick, at the out and Seven Inches by six thick And all the other part of the Framing and Machinery a proper Strength Dead Circle on the top of the Tower Eight Inches and half by five inches and half. Mettle Segments for the operative part of the Sail Working into, and Mettle Plate on the dead Circle for the Balls in the moving part of the Mill revolving round on. Two Upright shafts coupled in the middle of the Tower with two Wheels a proper strength.

Brake Wheel six feet six Inches Brake a proper strength. Mettle segments in the Brake Wheels. Mettle Pinion on the top of the upright Shaft that works into the Brake Wheel. Upright Shafts each thirteen Inches square. Beam that goes across the Tower for the foot of the Upper Shaft Twelve inches square. Top bridge for the top of the Under Shaft twelve Inches by nine Inches. Framing for the foot of the Under Shaft. Two Beams that goes across the Tower twelve inches by nine inches. Horizontal Wheel on the foot of the under Shaft for driving the Drum. Mettle Wheel with Wood Cogs. Wheel five feet [four] inches Diameter, Pinion that works into that Wheel for driving the Drum, seventeen inches Diameter. Tumbling Shaft that goes between the Tower & Drum one foot diameter. Framing in the inside of the Barn for Drum Rolers and Rakes. Two beams that goes across the Barn for erecting the framing for all the other part of the Machinery. Drum rakes and Rolers and every part of the [frame] made proper strength. Drum Four feet diameter. Feeding Rolers Five feet ten inches long - four inches diameter. One plane and One fluted. Two Rakes first Rake Six feet diameter Second Rake five feet six inches diameter. One Winding Machine nine feet long by two feet four inches wide.

Rakes and Rolers drove with Machinery of Mettle. Winding Machine drove by a strap of Leather three inches and half broad. Two partitions across the Barn and all the Machinery inclosed. Three floors in the Tower and

platform - Joists of the platform of Oak Six Inches by three inches boards for covering the platform. Six Inches broad by inch and half thick; boards of the platform laid two inches & half asunder all to be pitched.

The Roof to be put on the Tower and all the Wood exposed to the Weather painted with two coats of the best White Paint. The Sails One coat. One pair of Gray Stones to be put in for Grinding Corn four feet eight inches diameter. The Mill to put out and take in her own Sails when going by a wind Wheel on the from of the Mill. I agree to find all Materials, Hard Wood, Fir Wood, Mettle, wrought Iron, brasses, Sails, Nails, and workmanship, and to complete everything in a good Workman-like Manner for the sum of four Hundred and thirty Two Pounds Sterling

Mr. Weatherley to find all Carriages

Mr. Dunn's	Proposals above for Thrashing Machine & Mill	£432
	Tower of Stone	£103

Recommended to be accepted Mr. Dunn being represented to us as a good Workman and a Person of Character. £535

Newcastle 20th June 1806

Nichos. Walton

Joseph Forster

**ADM 79/59 REPORT ON THE VIEW OF THE GREENWICH HOSPITAL ESTATES 1817**

**OUTCHESTER FARM**

**Richard Cockburn Tenant**

**Rent £1,010**

**on Lease for 21 Years from 12<sup>th</sup> May 1816**

The Buildings consist of an old Farm House, with a Barn, Straw House, Stables, Byers, Hemels, Old Granaries, Cart House, Pig Styes and Fold Yard. Also a Wind Threshing Mill and Machine, built 10 years ago, all in bad repair, with seven Cottages for Labourers upon the ffarm. The Land contains 525 a. 1 r. 16 p. of Arable, Meadow and Pasture, not in a very good state of cultivation, and let at a full Rent.

The Tenant has recently taken this farm, and he informed us that he took it under the expectation that the House, the Barn, Threshing Mill, Straw House, Stable, Byer and Cottages, would be put into good repair, and new Stables, Hemels, Pig Styes, and Fold Yards erected. From the present confined situation of these Buildings we think these improvements necessary and proper to be made, and at the same time small byers and Pig Styes for the Cottages will also be wanted.