

(Copy)

Worsley Mesnes Iron Works Ltd,
WIGAN.

20th July 1922.

E. B. Wain Esq.,
Chatterley-Whitfield Collieries Ltd,
Tunstall, Staffs.

Dear Sir,

With reference to the quotation which we have to-day posted under separate cover for the semi-conical winding drum for your Hesketh Pit Engines, the price quoted has been arrived at after allowing the scrap value of the old material specified to our Mr. J. A. Melling.

If you require any further information we shall be only too pleased to furnish you with the same.

Yours faithfully,

For WORSLEY MESNES IRONWORKS LIMITED,
J. Miller,
Cashier.

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20th July 1922.

Messrs, Chatterley-Whitfield Collieries Ltd.,
Tunstall, Staffs.

Dear Sirs,

Referring to the recent interview of our Mr. Melling with your Mr. Wain, we have pleasure in submitting a specification and price for the new drum for your Hesketh Pit Winding Engines. The work and materials will consist as follows:-

The Winding Drum to be part conical and part parallel, 14' 0" on the smaller diameter to accommodate three or four active coils and three idle coils. The cone to be from 14' 0" to 20' 0" diameter with four coils on the cone, the large diameter being about 5' 6" wide. The bosses of the drum to be in halves with strong H section arms, of ample proportion and well bracketted, the bosses being bored to fit the existing crank shaft, bolted and hooped together and secured to the crank shaft by two steel keys in each boss.

The brake path of the drum to be fitted with loose and renewable steel liners, approximately $\frac{7}{8}$ " thick x 10" wide x 20' 0" diam. the centres of the brake paths to be 11' 8". These centres and the diameter are the same as those on the existing drum and will accommodate the existing brake gear. The brake paths will be of the ventilated type with recesses and perforations for the free circulation of air.

The conical portion of the drum to be formed of cast iron segments, of strong section, with scrolls cast on for the reception of the rope. The segments will have accurately machined joints provided with fit joint bolts.

The 20' 0" diam. parallel portion of the drum will be constructed of steel plates not less than $\frac{5}{4}$ " thick and these will rest, on each side, on the extended portions of the conical segments and in the middle upon the existing middle ring. A ring of H section cast iron segments will make up the deficiency in diameter of the middle ring (which is being used in again) now that it is intended to abandon timber lagging and to let the rope coil directly on the steel plates.

The drum Plates will be planed on all four sides, holes drilled, and passed through bending rolls to give the correct curvature. The joints will be butt and have strap plates double bolted.

The whole will be substantially built, with ample factors of safety. The rope grooves will have easy leads on to and off the cones.

20.7.22.

Our price for the whole of the above work, including the provision of four skilled men to superintend the dismantling of the old drum and the erection of the new one, will be the sum of.....£2,085
(two thousand and eighty five pounds) Nett.

Terms of payment:

- 50% when the principal castings are made;
- 30% when the material is ready in our Shops for delivery to you;
- The remainder one month after erection, or if the erection is delayed through any cause beyond our control, the final payment to be made not later than three months after the second payment becomes due.

We enclose a blue print shewing the design of the drum for which we have quoted.

We hope to be favoured with your esteemed commands to carry out the above work which shall receive our best attention.

Yours faithfully,

For WORSLEY MESNES IRONWORKS LIMITED,
J. Miller,
Cashier.