

JOHN TAYLOR & Co.

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TELEGRAMS "BELLS, LOUGHBOROUGH"

CHURCH BELLS
PEALS-CHIMES
CARILLONS
CLOCK BELLS

RESTORING OLD OAK BELL FRAMES A SPECIALITY

COPY.

THE BELL FOUNDRY,
LOUGHBOROUGH,
ENG.

7 August 1953

St. John's Church, Beckford, Glos.

SPECIFICATION AND ESTIMATE.

FOR REHANGING THE RING OF SIX BELLS WITH NEW FITTINGS IN NEW CAST-IRON
FRAME ON TWO SETS OF STEEL SUPPORTING GIRDERS.

REMOVAL OF BELLS
AND FRAME.

Deliver to the site the necessary tackle and tools, dismantle the six bells and lower and remove them from the tower and despatch to our Foundry at Loughborough.

Take out the existing framework, the timbers to be placed outside the Church to remain the property of the Church Authorities.

THE BELLS.

Recasting the two cracked bells, also tuning. Bells No.4 and 5, which are cracked, to be recast; the existing inscriptions to be reproduced in facsimile. The recast bells to be musical and resonant in tone and to be tuned to accord with the other four bells, i.e., all six bells to be put into correct tune one with another.

Removing old staples. The old cast-in clapper-staples to be cut out of bells No.1, 2, 3 and 6, the crowns to be drilled with a centre hole to permit new and improved type of staples to be independently fitted.

Cleaning. Each bell to be thoroughly cleaned.

FITTINGS. Provide and fit to each of the six bells a new set of ringing fittings of the latest and most up-to-date type, designed so that all may be kept in good order with the minimum amount of attention.

These fittings to consist of oak WHEELS, well carpentered and strengthened with wrought iron plates, with garter holes specially designed to prevent undue chafing of the bellropes;

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FITTINGS, contd.

cast-iron HEADSTOCKS of box section, with curved shoulders to "tuck up" the larger bells in their stocks, designed so that the bells will swing in regular progression from the smallest to the largest bell; RETAINING BOLTS of high tensile steel; INSULATION PADS; nickel steel GUDGEONS turned up true after having been fitted in the headstocks; self-aligning BALL BEARINGS, heavy duty type, with a double ball race of large size balls, in specially made housings with are totally enclosed to exclude all dirt and grit and which are lubricant-retaining and do not require refilling with lubricant except once every 12 or 14 years; new CLAPPER TOPS with independently fitted crownstaples, the clapper joints to be of improved design, consisting of turned steel pins working in lignum-vitae bushes and fitted with grease boxes for lubrication; hard wood ROLLERS working in ball bearings with new roller boxes; STAYS and SLIDERS, etc.

BELLROPES.

Provide a new set of best quality bellropes of Italian hemp, with soft woollen salleys.

FRAMEWORK AND STEELFOUNDATION GRILLAGE.

Supply new framework with new foundation grillage, TO BE MADE COMPLETE FOR A RING OF EIGHT BELLS; the whole to be of strong and massive construction.

The frame castings to be of heavy and massive proportions, well ribbed for strength, in tough cast-iron, accurately machined and fitted together and thoroughly tied and braced. The feet of the castings and the seatings for the bell bearings to be machined to ensure perfect alignment.

The FOUNDATION of the framework to consist of a grillage comprising two sets of heavy rolled steel girders placed transversely upon one another, and bolted through at each point of intersection. Each of the two sets of girders to have iron rods fitted into them at the ends to form a good anchorage into the tower walls to which they will be firmly grouted. The whole structure of frame and girders to be thoroughly braced by a lattice-work of wrought iron bars, the frame castings to be tied together at the ends by wrought iron framing. All requisite stays, plates, bolts, nuts, washers and rivets to be supplied.

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ERECTION.

Deliver the bells, new framework, girders, fittings and other materials to the site and hoist into the bellchamber.

Set the foundation girders in position, assemble and erect the new frame thereon.

Hang the bells with their fittings in the new frame, all correctly adjusted, leaving the peal in first class ringing order.

Including all bellhanger's time, expenses, assistance, fares, etc.

CHIMING APPARATUS.

Repair and refit the hammers of the Ellacombe Chiming Apparatus, these to be firmly secured to the new framework. Provide and fit new chime cords throughout.

FLOOR BOSSES.

Provide the necessary turned iron ceiling bosses, to protect the ropes where they pass through the floors.

PAINTING.

The steel girders and angles to be de-scaled and treated with a special process to form a key for the paint; the frame castings and all steelwork also the ironwork of the bell fittings to be given two coats best quality paint before despatch and a further coat after erection in the tower, i.e., three coats in all.

The wheels and other woodwork of the fittings to be well treated with preservative solution.

CARRIAGE.

Including carriage of the bells, fittings, etc., and of all tools, hoisting tackle, etc., to and from between our Works and the Church.

INSURANCE COVER.

All workmen are fully covered by insurance against any claims under the National Insurance (Industrial Injuries) Act, the Employers' Liability Act and at Common Law. Cover is also provided for damage to the fabric of the building by men in our employ also against Public Liability, Third Party Risk, during the progress of the work on the site.

MAINTENANCE.

Provide a set of spanners and a card of maintenance instructions for the steeple-keeper's guidance.

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(Specn. and Estimate).

ESTIMATE.

Our estimate for carrying out the rehanging of the ring of six bells, recasting the two cracked bells, etc., as detailed in the foregoing Specification, amounts to £1,370.

(ONE THOUSAND, THREE HUNDRED AND SEVENTY POUNDS).

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If the new framework and supporting girders are made for six bells only the estimate will be reduced to £1,280.

(ONE THOUSAND, TWO HUNDRED AND EIGHTY POUNDS).

GENERAL.

The foregoing estimates are drawn up on the basis of to-day's costs and are subject to adjustment to cover any fluctuations, up or down, which may take place in cost of materials and wages between the present date and when the work is completed.

Our estimate excludes builder's work as explained in covering letter.

(Sgd.) JOHN TAYLOR & CO.