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Disciplina	623.83
Soggetti	Shipyards - Management Ships - Maintenance and repair - Estimates Electronic books.
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Note generali	Includes index
Nota di contenuto	Dry-docking works: Berth preparation; Shifting of blocks after docking vessel; Docking and undocking; Dock rent per day; Dock services; Hull preparation; Hull painting; Rudder works; Propeller; Tailshaft. Steel Works: Hull steel repairs. Pipe works: Pipe work renewals in schedule 40 steel; Pipe work renewals in schedule 80 steel; Pipe work renewals in copper; Hot dip galvanising after manufacture. Mechanical works: Overhauling diesel engines; Top overhaul; Cylinder covers; Cylinder liners; Bearing survey; Crankshaft deflections & crankcase doors; Four stroke, Trunk type, Main engines; Gear boxes of Medium speed engines; Overhauling valves: line valves, pressure valves; Main condenser; Main steam Turbines; Flexible coupling; Auxiliary Steam Turbines; Turbo Alternator; Feed Pumps; Oil Tanker Cargo Pump; Air Compressors; Air Receivers; Pumps; Boilers. Electrical Works: Insulation resistance tests; Electric motors; Electric generators; Switchboard; Running and installing electric cables; Installing junction boxes; Running and installing cable conduit. General works: Tank cleaning; Removal of tank manhole cover for access and refitting with new cover joint; pumping out of bilge water or slops into shore facility per tonne; Hand cleaning of bilge areas or inside tanks per square metre; Hand scraping of internal steel areas per square metre; Tank testing by low pressure compressed air; Tank testing by filling with sea water

Don Butler has compiled an invaluable list of the man-hours required for ship repair estimates. All ships must undergo regular dry-docking for examination by a third party surveyor; this is a mandatory requirement for ships which ply their trade on either world wide or coastal area basis. This dry-docking period is usually used as a time to carry out known damage repairs, cleaning and painting, upgrades and regular machinery overhauls. The author provides estimates for all situations which may arise, enabling the repair superintendent to anticipate costs, and therefore to prepare an accurate repair specification well in advance, for issue to the repairer. Don Butler has gathered the information in this book over more than twenty years in the repair field. He is a holder of the DTI Combined first class Engineers Certificate of competency for steam and motor ships and a Fellow of the Institute of Marine Engineers (F.I.Mar.E). He is also a Member of the Society of Consulting Marine Engineers and Ship Surveyors (M.C.M.S). Produced for technical superintendents of ship owners and ship managers; outlines the manner in which ship repair companies compile quotations. Made up of man-hours rather than monetary value, to assist long-term pricing; books of 'prices only' will have no long-term relevance, whereas time in man-hours will be universally applicable and more durable
