HEALTH, WELFARE AND SAFETY (SPECIAL PROVISIONS)

1958 No. 1553

The Building (Safety, Health and Welfare) (Amendment) Regulations, 1958

Made - - - -	*17th September,* 1958
Laid before Parliament	*22nd September,* 1958
Coming into Operation	*1st January,* 1959

The Minister of Labour and National Service by virtue of the powers conferred on him by section 60 of the Factories Act, 1937(a), and of all other powers in that behalf, hereby makes the following Special Regulations:—

1.—(1) These Regulations may be cited as the Building (Safety, Health and Welfare) (Amendment) Regulations, 1958, and shall come into operation on the first day of January, 1959.

(2) In these Regulations the expression " the principal Regulations " means the Building (Safety, Health and Welfare) Regulations, 1948(b), as amended by the Building (Safety, Health and Welfare) Amendment Regulations, 1952(c).

(3) The Interpretation Act, 1889(d), shall apply to the interpretation of these Regulations as it applies to the interpretation of an Act of Parliament.

2. In the definition of the expression " Safe working load " in paragraph (2) of Regulation 3 of the principal Regulations, the reference to Regulation 57 shall be deleted.

3. The following paragraph shall be inserted at the end of Regulation 35 of the principal Regulations:—

" (5) In the case of a crane which is on occasion dismantled or partially dismantled, any structural member which is separated from the crane in dismantling shall be clearly marked so as to indicate the crane of which it is a part ".

4. The following Regulations shall be substituted for Regulations 43 to 47 of the principal Regulations:—

" Stability of lifting appliances

" 43.—(1) No lifting appliance shall be used on a soft or uneven surface in circumstances in which the stability of the appliance is likely to be affected, or on a slope, unless appropriate precautions are taken to ensure safety.

(2) No crane shall be used for raising or lowering unless, so as to ensure stability, it is either—

(*a*) securely anchored ; or

(*b*) adequately weighted by suitable ballast which shall be properly placed on the crane structure and sufficiently secured to prevent its being accidently displaced.

(a) 1 Edw. 8 & 1 Geo. 6. c. 67. (b) S.I. 1948/1145 (Rev. VII, p. 191: 1948 I, p. 953).
(c) S.I. 1952/1584 (1952 I, p. 985). (d) 52 & 53 Vict. c. 63.

No part of any rails on which a crane is mounted or the sleepers supporting such rails shall be used as anchorage for this purpose.

(3) The whole of the appliances for the anchorage or ballasting of a crane shall be examined by a competent person on each occasion before the crane is erected.

(4) After each erection of a crane on a building site and after each removal of a crane about or to a building site, or any adjustment to any member of a crane, being a removal or adjustment which involves changes in the arrangements for anchoring or ballasting the crane, the security of the anchorage or the adequacy of the ballasting, as the case may be, shall, before the crane is taken into use, be tested by a competent person, by the imposition either—

(*a*) of a load of 25 per cent. above the maximum load to be lifted by the crane as erected at the positions where there is the maximum pull on each anchorage, or

(*b*) of a less load arranged to provide an equivalent test of the anchorage or ballasting arrangements.

The prescribed particulars of such tests and their results shall forthwith be entered in or attached to the prescribed register.

(5) If the person making tests under paragraph (4) of this Regulation considers that the maximum load which may safely be lifted by that crane as erected is less than the safe working load of the crane as defined in Regulation 3 he shall specify that maximum among the said particulars and a loading diagram appropriate to the stability of the crane as at the time of the test, taking into account, in the case of a crane mounted on wheels, the condition of the track, and indicating a modified safe working load or loads shall be affixed in a position where it can readily be seen by the crane driver. Such modified safe working load or loads shall be deemed for the purpose of these Regulations to be the safe working load or loads of the crane as erected.

(6) Where the stability of a crane is secured by means of removable weights a diagram or notice indicating the position and amount of such weights shall be affixed on the crane where it can be readily seen.

(7) No crane shall be used or erected under weather conditions likely to endanger its stability. After exposure to weather conditions likely to have affected the stability of the crane, the anchorage arrangements and ballast shall be examined by a competent person as soon as practicable and before the crane is used, and any necessary steps taken to ensure the stability of the crane.

"Rail mounted cranes

"44.—(1) All rails on which a crane moves shall—

(*a*) have an even running surface, be sufficiently and adequately supported, and be of adequate section;

(*b*) be jointed by fish plates or double chairs;

(*c*) be securely fastened to sleepers or bearers;

(*d*) be supported on a surface sufficiently firm to prevent undue movement of the rails;

(*e*) be laid in straight lines or in curves of such radii that the crane can be moved freely and without danger of derailment;

(*f*) be provided with adequate stops or buffers on each rail at each end of the track.

All rails and equipment referred to in this paragraph shall be properly maintained.

Provided that requirements (*b*) and (*c*) of this paragraph shall not apply in the case of overhead cranes on bridge rails or in the case of any crane if other adequate steps are taken to ensure the proper junction of the rails, and to prevent any material variation in their gauge.

(2) In the case of every crane mounted on rails either the crane shall be provided with effective brakes, or sprags, scotches or chocks shall be available.

(3) Where a Scotch Derrick crane is mounted on more than one bogie, trolley or wheeled carriage, the crane sleepers or land ties, or the bogies, trolleys or wheeled carriages shall be rigidly braced and properly connected together, the rails on which each bogie, trolley or wheeled carriage moves shall be level, and the crane shall be moved on the track only in a manner not liable to cause instability, racking or distortion either of the crane structure or of the supporting framework or track.

(4) Every travelling crane on rails shall be provided with guards to remove from the rails any loose material likely to cause danger.

" Mounting of cranes

" 45. Every bogie, trolley or wheeled carriage on which a crane is mounted shall be of good construction, sound material, and adequate strength, and suitable to support the crane having regard to the purposes for which the crane is being used.

" Cranes with derricking jibs

" 46. On every crane having a derricking jib operated through a clutch there shall be provided and properly maintained an effective interlocking arrangement between the derricking clutch and the pawl sustaining the derricking drum, which shall ensure that the clutch cannot be disengaged unless the pawl is in effective engagement with the derricking drum and the pawl cannot be disengaged unless the clutch is in effective engagement with the derricking drum :

Provided that this Regulation shall not apply to any crane in which

(*a*) the hoisting drum and the derricking drum are independently driven ; or

(*b*) the mechanism driving the derricking drum is self-locking.

" Restriction on use of cranes

" 47.—(1) Without prejudice to paragraph (2) of this Regulation, the hoisting mechanism of a crane shall not be used for any purpose other than raising or lowering a load vertically unless no undue stress is imposed on any part of the crane structure or mechanism, and the stability of the crane is not thereby endangered, and unless such use is supervised by a competent person.

(2) A crane with a derricking jib shall not be used with the jib at a radius exceeding the maximum radius specified for the jib in the certificate of test and examination required by Regulation 52."

5. The following Regulation shall be substituted for Regulation 51 of the principal Regulations :—

" Signals

" 51.—(1) Every signal given for the movement or stopping of a lifting appliance shall be distinctive in character and such that the person to whom it is given is able to hear or see it easily.

(2) Devices or apparatus used for giving sound, colour or light signals for the purposes aforesaid shall be properly maintained, and the means of communication shall be adequately protected from accidental interference."

6. The following paragraph shall be substituted for paragraph (2) of Regulation 52 of the principal Regulations :—

" (2) No crane, crab, winch, pulley block or gin wheel shall be used unless there has been obtained in such form as may be prescribed a certificate of any test and examination required by sub-paragraphs (*a*) or (*b*) of paragraph (1) of this Regulation signed by the person making or responsible for the carrying out of the test and examination and specifying (*a*) the safe working load or loads ; (*b*) in the case of a crane with a variable operating radius (including a crane with a derricking jib), the radii of the jib, trolley or crab appropriate to the specified safe working loads ; and (*c*) in the case of a crane with a derricking jib, the maximum radius at which the jib may be worked."

7. The following paragraph shall be substituted for paragraphs (2) and (3) of Regulation 53 of the principal Regulations : —

" (2) Every crane of variable operating radius (including a crane with a derricking jib) shall (*a*) have plainly marked upon it the safe working load at various radii of the jib, trolley or crab, and, in the case of a crane with a derricking jib, the maximum radius at which the jib may be worked ; and (*b*) be fitted with an accurate indicator, clearly visible to the driver, showing the radius of the jib, trolley or crab, at any time, and the safe working load corresponding to that radius."

8. The following Regulation shall be substituted for Regulation 54 of the principal Regulations : —

" Indication of safe working load of jib cranes

" 54. Subject as hereinafter in this Regulation provided, no jib crane having either a fixed or a derricking jib shall be used unless it is fitted with an approved type of automatic safe load indicator which shall be properly maintained. Every such indicator shall be tested by a competent person other than the crane driver after erection or installation of the crane on a building site and before the crane is taken into use. The indicator shall be inspected thereafter at intervals not exceeding one week, when the crane is in use, by the person carrying out the inspection required under sub-paragraph (*c*) of paragraph (1) of Regulation 34, and the results of every such inspection shall be reported in the manner specified in that sub-paragraph :

Provided that the foregoing requirements shall not apply to—

(i) any Guy Derrick crane, being a crane of which the mast is held upright solely by means of ropes with the necessary fittings and tightening screws ;

(ii) any hand crane which is being used solely for erecting or dismantling another crane ;

(iii) any crane having a maximum safe working load of 1 ton or less."

9. The following Regulation shall be substituted for Regulation 57 of the principal Regulations :—

" Scotch and Guy Derrick cranes

" 57.—(1) The jib of a Scotch Derrick crane shall not be erected between the back stays of the crane.

(2) No load which lies in the angle between the back stays of a Scotch Derrick crane shall be moved by that crane.

(3) Appropriate measures shall be taken to prevent the foot of the king post of any Scotch Derrick crane from being lifted out of its socket or support whilst in use.

(4) Where the guys of a Guy Derrick crane cannot be fixed at approximately equal inclinations to the mast and so that the angles between adjacent pairs of guys are approximately equal such other measures shall be taken as will ensure the stability of the crane."

10. In paragraph (1) of Regulation 99 of the principal Regulations (which provides where the registers required by certain of the principal Regulations are to be kept) for the words and figures " Regulations 20, 34, 57 (4) and (5), 71 (*b*) and 75 " there shall be substituted " Regulations 20, 34, 43 (4) and (5), 54, 71 (*b*) and 75 " ; and in the proviso to that paragraph for the words and figures " Regulations 20, 34 and 75 " there shall be substituted " Regulations 20, 34, 54 and 75 ".

11. The following shall be substituted for the Third Schedule to the principal Regulations:—

" THIRD SCHEDULE

" EXTENT OF EXCLUSIONS UNDER REGULATION 2 (3)

Regulation	Extent of exclusion	Exceptions and conditions
34 ...	Requirement (*c*) of paragraph (1) ...	—
35 ...	Paragraph (5)...	—
36 ...	The whole Regulation	—
37 ...	Requirement (*b*) and the requirement relating to guard-rails and toe-boards.	—
38 ...	The whole Regulation	—
40 ...	Paragraphs (2) and (3)	—
43 ...	Paragraphs (4) and (5)	Save that where the crane is specially erected for use in the operations to which these Regulations apply, the crane shall before such use be tested in accordance with paragraph (4), and a record shall be kept of the particulars of the tests and paragraph (5) shall then apply.
44 ...	Requirement (*f*) of paragraph (1) and paragraph (4).	—
46 ...	The whole Regulation	—
52 ...	The whole Regulation	—
53 ...	Requirement (*b*) of paragraph (2) ...	—
54 ...	The whole Regulation	—
58 ...	Sub-paragraph (*c*) of paragraph (1)	If there are available to any person using the chain, rope or gear, means of ascertaining its safe working load.
60 ...	The whole Regulation	—
64 ...	The provisions relating to the keeping of a register.	—
65 ...	Sub-paragraph (*b*) "	—

Dated this 17th day of September, 1958.

Iain Macleod,
Minister of Labour and National Service.

EXPLANATORY NOTE

(This Note is not part of the Regulations, but is intended to indicate their general purport.)

These Regulations relate to lifting appliances which form the subject matter of Part IIIA of the Building (Safety, Health and Welfare) Regulations, 1948. The new Regulations amend the requirements relating to derrick cranes, including rail-mounted tower derrick cranes. They also impose additional requirements affecting the stability and use of lifting appliances, the communication of audible and visible signals, and as to the safe working loads of cranes with variable operating radii.

1958 No. 61

The Work in Compressed Air Special Regulations, 1958

Made - - - -	14*th January*, 1958
Laid before Parliament	21*st January*, 1958
Coming into Operation	21*st April*, 1958

The Minister of Labour and National Service by virtue of the powers conferred on him by sections 46 and 60 of the Factories Act, 1937(a) (hereinafter referred to as "the principal Act"), section 8 of the Factories Act, 1948(b), and of all other powers in that behalf, hereby makes the following Special Regulations:—

Citation and Commencement

1. These Regulations may be cited as the Work in Compressed Air Special Regulations, 1958, and shall come into operation on the 21st day of April, 1958.

Application of Regulations

2.—(1) These Regulations shall apply to work in compressed air undertaken by way of trade or business or for the purpose of any industrial or commercial undertaking, or by or on behalf of the Crown or any municipal or other public authority being work in compressed air undertaken in the construction of any railway line or siding otherwise than upon an existing railway, or in the construction, structural alteration or repair (including re-pointing and re-painting) or the demolition of any dock, harbour, inland navigation, tunnel, bridge, viaduct, waterworks, reservoir, pipe-line, aqueduct, sewer, sewage works or gasholder, except where carried on upon a railway or tramway.

(2) These Regulations shall not apply to work in a gasholder where the pressure does not exceed two pounds per square inch.

(3) If the Chief Inspector is satisfied that in the case of any particular class or description of plant, equipment or appliance or of any special description or method of work any requirement of these Regulations relating to safety or health is, in any class or description of circumstances, not necessary for the protection of the persons employed or not reasonably practicable, he may by certificate in writing (which he may at his discretion revoke at any time) grant an exemption from that requirement in the case of that class or description of plant, equipment or appliance or of that special description or method of work in such circumstances and subject to such conditions as may be specified in the certificate.

(a) 1 Edw. 8 & 1 Geo. 6. c. 67. (b) 11 & 12 Geo. 6. c. 55.