

The following processes when carried on by means of hand-tools or other portable tools:—

- Fettling of metal castings involving the removal of metal.
- Cutting out or cutting off (not including drilling or punching back) of cold rivets or bolts from boilers or other plant or from ships.
- Chipping or scaling of boilers or ships' plates.
- Breaking or dressing of stone, concrete or slag.

Unfenced Machinery: Operations at.

REGULATIONS, DATED 10TH DAY OF MAY, 1939, MADE BY THE
MINISTRY OF LABOUR UNDER SECTIONS 16 AND 17 OF THE
FACTORIES ACT (NORTHERN IRELAND), 1938.

1939. No. 73.

The Ministry of Labour for Northern Ireland (in these Regulations referred to as "the Ministry"), in pursuance of the powers conferred on it by Sections 16 and 17 of the Factories Act (Northern Ireland), 1938, and of all other powers enabling it in that behalf, hereby makes the following Regulations.

PART I (Regulations 1—7).

1.—Regulations 2 to 7 of these Regulations shall apply to the following operations namely—

- (i) the carrying out, in pursuance of paragraph (a) of Section 16 of the Act, of an examination of any part of machinery which is in motion and which is not securely fenced, or any lubrication or adjustment shown by such examination to be immediately necessary, being an examination, lubrication or adjustment which it is necessary to carry out while the part of machinery is in motion, and
- (ii) the carrying out, in pursuance of Section 17 of the Act, of an examination or any lubrication or adjustment shown by such examination to be immediately necessary, when parts of machinery otherwise required to be fenced or safeguarded are in motion or in use but are necessarily exposed for those operations:

Provided that Regulations 5 and 6 shall not apply in relation to any part of machinery which is only being moved by hand or by a barring engine or by an inching or similar device, so however that no such operation shall be carried out except by a male person who has attained the age of eighteen:

Provided further that Regulation 5 shall not apply to the setting up of a machine by a toolsetter or other skilled mechanic, being a male person who has attained the age of eighteen and whose duty it is to set up such machine.

2.—One or more persons shall be appointed by the occupier of the factory, by signed entry in or by certificate attached to the general register, to be machinery attendants to carry out operations to which this Regulation applies, and any such appointment may be made for all such operations or may be limited to such only of those operations as may be specified in the entry or certificate. The occupier shall furnish to each person so appointed a certificate of his appointment, which certificate shall indicate the limitations (if any) specified as aforesaid.

3.—No person shall be appointed to be such a machinery attendant unless he is a male person who has attained the age of eighteen, and has been sufficiently trained for the purposes of the work entailed by those operations which he is authorised by his appointment to carry out, and is acquainted with the dangers from moving machinery arising in connection with such operations.

4.—Every such machinery attendant shall be instructed as to the requirements of these Regulations and supplied with a precautionary leaflet issued by the Ministry.

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5.—No operation to which this Regulation applies shall be carried out—

- (a) except by a machinery attendant authorised as aforesaid to carry out the operation,
- (b) unless every person carrying out the operation is wearing a close-fitting single-piece overall suit in good repair which (i) is fastened by means having no exposed loose ends and (ii) has no external pockets other than a hip pocket,
- (c) unless another person instructed as to the steps to be taken in case of emergency is immediately available within sight or hearing of a person carrying out the operation, and
- (d) unless such steps as may be necessary, including where appropriate and reasonably practicable the erection of a barrier, are taken to prevent any person, other than a person carrying out the operation, from being in a position where he is exposed to risk of injury from the machinery.

Paragraph (a) of this Regulation shall not prevent the carrying out of such an operation on a special occasion by a competent male person who has attained the age of eighteen if he has been previously authorised in writing for the purposes of that occasion by the occupier or manager of the factory or other person holding a responsible position of management in the factory.

6.—Without prejudice to any other obligation to fence machinery, every set-screw, bolt or key on any revolving shaft, spindle, wheel or pinion, and all spur and other toothed or friction gearing in motion, with which a person carrying out an operation to which this Regulation applies would otherwise be liable to come into contact, shall be securely fenced to prevent such contact unless it is necessarily being examined, lubricated or adjusted while in motion or is necessarily exposed for examination or for any lubrication or adjustment shown by such examination to be immediately necessary.

7.—Any ladder in use for the carrying out of an operation to which this Regulation applies shall be securely fixed or lashed or be firmly held by a second person.

PART II (Regulations 8—11).

8.—In the case of transmission machinery used in the processes specified in the schedule to these Regulations, paragraph (b) of Section 16 of the Act shall, subject to the limitations and conditions hereinafter in these Regulations specified, apply to the following operations, namely, any lubrication, or any mounting or shipping of a belt, when the circumstances are such that the lubrication, mounting or shipping cannot, without serious interference with the carrying on of the process, be deferred until the machinery is stopped.

9.—Regulations 2 to 7 and Regulations 10 and 11 of these Regulations shall apply to such operations :

Provided that Regulations 5, 6 and 10 shall not apply in relation to any part of machinery which is only being moved by hand or by a barring engine or by an inching or similar device, so however that no such operation shall be carried out except by a male person who has attained the age of eighteen.

10.—A belt shall not be handled at a moving pulley for the purpose of mounting or shipping it onto the pulley unless—

- (i) the belt is less than 6 inches in width ;
- (ii) the belt has already been used for driving on that pulley ;
- (iii) the belt joint is either laced or flush with the belt or secured by a method approved for the purposes of these Regulations by the chief inspector ;
- (iv) the belt, including the joint, and the pulley-rim, are in good repair ;
- (v) there is reasonable clearance between the pulley and any fixed plant or structure ; and
- (vi) secure foothold and where necessary secure handhold are afforded for the operator.

11.—All belts which are in use in the processes specified in the schedule to these Regulations and which are liable to be handled at a moving pulley shall be inspected daily by a competent person with a view to ascertaining whether the belt requires repair or replacement; and such inspection, if made when the belt or any adjacent machinery is in motion, shall be made from a safe position. Any repair or replacement of such a belt found by such inspection to be necessary shall be carried out as soon as practicable.

PART III (Regulations 12—15).

12.—Every machinery attendant or other person, when carrying out an operation to which any of these Regulations apply, shall—

(a) wear the overall required under paragraph (b), Regulation 5; in such a manner as to cover completely all loose ends of other clothing, and

(b) make proper use of any appliances provided for the safe carrying out of any such operation.

13.—If the chief inspector is satisfied, as respects any factory or any parts of machinery, that owing to special methods of work or other special circumstances the application of any of the requirements or conditions in Regulations 5, 6, 10 and 11 of these Regulations would be unreasonable or inappropriate, he may by certificate in writing authorise such relaxation or variation of that requirement or condition and for such period as he may think fit.

14.—The chief inspector may at any time at his discretion withdraw any approval given in pursuance of Regulation 10 of these Regulations and revoke or vary any certificate given in pursuance of Regulation 13 of these Regulations.

15.—These Regulations may be cited as the Factories (Operations at Unfenced Machinery) Regulations (Northern Ireland), 1939, and shall come into force on the 1st July, 1939.

Sealed with the Official Seal of the Ministry of Labour for Northern Ireland this 10th day of May, 1939, in the presence of

(L.S.)

R. R. Bowman,
Assistant Secretary.

Stormont, Belfast.

SCHEDULE.

1. All processes in the manufacture of flour subsequent to wheat preparing and up to and including flour dressing.
2. All processes in the manufacture of soda by the ammonia soda or Solvay process.

3. All processes in the manufacture of caustic soda by the ammonia soda or Solvay process or by continuous causticising process up to, but not including, concentration in caustic pots.
4. The filtering process in the manufacture of sulphate of ammonia.
5. The phosphate reaction pumping process in the manufacture of concentrated fertiliser.
6. The electrolytic process for the manufacture of caustic soda.
7. Any manufacturing process in which a mixture of nitric and sulphuric acids is employed and where risk of fire or explosion would arise if the transmission machinery were stopped.
8. All processes in the manufacture of paper or paper-board subsequent to boiling of the rag, grass or other fibre and up to and including calendering and reeling on paper or paper-board making machines, and the process of paper coating.

**Docks, Building, and Engineering Construction, etc.,
Modification for.**

REGULATIONS, DATED 10TH DAY OF MAY, 1939, MADE BY THE
MINISTRY OF LABOUR UNDER SECTIONS 109, 111 AND 112 OF
THE FACTORIES ACT (NORTHERN IRELAND), 1938.

1939. No. 69.

The Ministry of Labour for Northern Ireland, in pursuance of the powers conferred on it by sub-section (1), paragraph (g), of Section 109, sub-section (2) of Section 111 and sub-section (2) of Section 112 of the Factories Act (Northern Ireland), 1938, and of all other powers enabling it in that behalf, hereby makes the following regulations modifying and adapting certain provisions of the Act in their application to docks, wharves, quays, warehouses, building operations and works of engineering construction.

1.—Sub-section (1) of Section 112 of the Act (which requires the occupier of every factory to keep a register, called the general register, for the factory and to enter in or attach to the general register certain particulars and reports) shall, in its application to docks, wharves, quays and warehouses by virtue of Section 109 of the Act, or to building operations or works of engineering construction by virtue of Section 111 or Section 112 of the Act, be construed as requiring every person who by virtue of Section 109, Section 111 or Section 112 is deemed to be the occupier of a factory, to keep in relation to the persons employed by him and to those provisions of the Act for the observance of which he is responsible, a general register, in the prescribed form,* in which shall be entered, or to which shall be attached, such of the particulars and reports referred to in that sub-section as may be applicable and as may be indicated in the directions given in the prescribed form.

*Form N.I. 35—For Docks, Wharves, Quays and Warehouses; and
Form N.I. 36—For Building Operations and Works of Engineering Construction.