

M. & Q. Form No. 278

Official Edition

(Mines of coal, stratified
ironstone, shale or fireclay)

Directed by the Minister of Power

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MINES AND QUARRIES ACT, 1954
The Coal and Other Mines (Shafts, Outlets and Roads)
Regulations, 1960

Book for Reports of Tests of the
Automatic Contrivance to Prevent
Overwinding

(Regulation 19 (4))

FROM:- 24.3.73

TO:- 10.3.75

PART I—REPORTS OF WEEKLY TESTS (Regulation 19 (4) (a))

PART II—REPORTS OF QUARTERLY TESTS (Regulation 19 (4) (b))

Name and Address of Mine

CHATTERLEY WHITFIELD

WINSTANLEY PIT.



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Extracts from the Coal and Other Mines (Shafts, Outlets and Roads) Regulations, 1960

Regulation 5. These regulations shall apply to every mine of coal, stratified ironstone, shale or fireclay

Regulation 9.—(1) Where mechanically operated winding apparatus or mechanically operated rope haulage apparatus is used for carrying persons through a shaft, staple-pit or unwalkable outlet, there shall be provided one or more brakes on the drum or drum shaft being brakes which—

- (a) if there are two cages or carriages, will hold the drum stationary when the loads are balanced and the maximum torque is applied thereto in either direction by the engine ; or
- (b) if there is only one cage or carriage, will hold the drum stationary when a fully loaded cage or carriage is half way down the shaft, staple-pit or outlet and the maximum torque is applied thereto downwards by the engine :

Provided that an inspector may by notice served on the manager of the mine exempt an engine from the requirements of this paragraph.

Regulation 11.—(1) Where mechanically operated winding apparatus or mechanically operated rope haulage apparatus is ordinarily used for carrying persons through a shaft or unwalkable outlet and the speed of winding or haulage can exceed 12 feet per second, there shall be provided an effective automatic contrivance to prevent overwinding so constructed as—

- (a) to prevent the descending cage or carriage from being landed at the lowest entrance to, or the bottom of, the shaft or unwalkable outlet at a speed exceeding 5 feet per second ; and
- (b) to control the movement of the ascending cage or carriage to prevent danger to any persons therein.

(2) and (3)

Regulation 19.—(1) Without prejudice to the generality of Regulations 6 and 7 of the Coal and Other Mines (Mechanics and Electricians) Regulations, 1956*, it shall be the duty of the manager of every mine to ensure that a scheme for the systematic examination of plant at that mine made in pursuance of the said Regulation 7* provides for the matters specified in the following paragraphs of this regulation.

(2) and (3)

(4) Where an automatic contrivance to prevent overwinding is provided in pursuance of Regulation 11 of these regulations, provision shall be so made for testing the operation thereof—

- (a) at intervals not exceeding 7 days by raising each cage or carriage so that it passes the point at which the contrivance comes into operation above the highest landing or beyond the point at which the outlet reaches the surface ;
- (b) at intervals not exceeding 3 months by attempting to land each cage when descending at an excessive speed.

For the purposes of sub-paragraph (b), the automatic contrivance may be so adjusted as to control the speed of descent at a point other than the lowest entrance to, or the bottom of, the shaft or outlet.

(5) to (8)

*Regulations 6 and 7 of the Coal and Other Mines (Mechanics and Electricians) Regulations 1956, have been replaced by Regulations 9 and 10 of the Coal and Other Mines (Mechanics and Electricians) Regulations 1965.

Extracts from the Coal and Other Mines (Mechanics and Electricians) Regulations, 1965

Regulation 9.—It shall be the duty of the mechanical engineer or mechanic in charge in respect of mechanical apparatus, and of the electrical engineer or electrician in charge in respect of electrical apparatus, to ensure that the mechanical engineering staff or the electrical engineering staff, as the case may be, supervise or effect—

- (a) the installation of all such apparatus at the mine ;
- (b) the examination and testing of all such apparatus before it is put into use after installation, re-installation or repair ;
- (c) the maintenance in safe working condition and in accordance with all requirements imposed by or under the Act of all such apparatus at the mine ; and
- (d) the systematic examination and testing of all such apparatus at the mine in accordance with the scheme therefor for the time being in operation.

(Continued on next page)

(Continued from inside front cover)

Regulation 10.—(1) It shall be the duty of the manager of every mine to ensure that there shall be at all times in force a scheme in respect of all mechanical apparatus at the mine other than simple mechanical supports, and, if electricity is used thereat, a scheme in respect of all electrical apparatus thereat, being a scheme providing for the systematic examination and testing of all mechanical apparatus or electrical apparatus as the case may be, at the mine to ensure proper maintenance thereof.

(2) Any such scheme shall specify the intervals (which may be different for different apparatus and parts of apparatus) within which all mechanical or electrical apparatus, as the case may be, must be examined and tested and the nature of the examination and testing to be carried out on each occasion, and the manner in which the results of every examination and test made pursuant to such a scheme are to be recorded.

(3), (4) and (5)

(6) Every record of any test or examination made pursuant to any such scheme, or a copy of such record, shall, until the expiration of three years after such test or examination, be kept at the office at the mine or at such other place as may be approved by an inspector and be open to inspection by, or by a person authorised in that behalf in writing by, any person employed at the mine.

Regulation 11.—(1) Persons, other than the mechanical engineering staff and the electrical engineering staff, may be instructed in writing by the manager of the mine to carry out such duties relating to—

(a) the installation, examination, testing or maintenance of mechanical or electrical apparatus ; or

(b) the operation of any machinery or electrical apparatus ; as may be specified in the instruction being duties for which they are competent.

(2) No persons shall be instructed under paragraph (1)(a) of this regulation to carry out any duty for which technical knowledge and experience are necessary to avoid danger except under such degree of supervision by one of the mechanical engineering staff or electrical engineering staff, being a person having supervisory duties, as may be appropriate having regard to the nature of the work and the knowledge and experience of the person concerned.

(3) and (4)

Regulation 13.—(1) Without prejudice to the generality of section 80 of the Act a member of the mechanical engineering staff, in respect of mechanical apparatus, a member of the electrical engineering staff, in respect of electrical apparatus, or a person instructed under regulation 11 shall stop forthwith the use of any such apparatus which it appears to him in the course of his duties may be in a dangerous condition by reason of some mechanical or electrical defect or abnormality, and cut off the supply of mechanical energy thereto or make dead the circuit or part of a circuit in which it is connected, as the case may be, and take any other necessary action to avoid danger. Unless in the case of a person instructed under regulation 11 his duties include the repair of the defect and he has repaired it, that apparatus shall not be used again at the mine until one of the mechanical engineering staff or the electrical engineering staff, as the case may require, is satisfied that it is safe to do so.

(2) Without prejudice to the generality thereof the provisions of the last preceding paragraph shall apply in any case in which incendive sparking occurs in any electrical apparatus below ground in any part of a mine in which inflammable gas, although not normally present, is likely to occur in quantities sufficient to indicate danger.

(3) Without prejudice to the generality of section 80 of the Act a member of the mechanical engineering staff, in respect of mechanical apparatus, a member of the electrical engineering staff, in respect of electrical apparatus, or a person instructed under regulation 11 shall report forthwith to an official of the mine anything which it appears to him in the course of his duties may affect the safe use of any such apparatus, and which it is not part of his duties to prevent or remedy.

(Continued on back cover)

Part I. Report of weekly tests of the automatic contrivance to prevent overwinding in the

WINSTANLEY shaft*/~~unwalkable~~ outlet*

I certify that I have this day carried out a test/~~supervised a test carried out by~~ *

of the operation of the automatic contrivance to prevent overwinding in the shaft * / ~~unwalkable~~ outlet * described above in accordance with the requirements of paragraph (4) (a) of Regulation 19 and that the following is a full and accurate report of the result of the test.

The { (a) NORTH } cage or carriage was brought to rest by the operation of the
(b) SOUTH

automatic contrivance { (a) feet inches } past the highest landing * / the point at which
(b) ~~10~~ 10 feet inches }
the outlet reaches the surface*.

Signed [Signature]
Supervisory Mechanic*

Date 24/3/73

Signed [Signature]
Supervisory Electrician*

Date 24.3.73.

Signature of manager or person appointed under Section 10 of the Act to read these reports on his behalf

Signature of under-manager or person appointed under Regulation 6A of the Coal and Other Mines (Managers and Officials) Regulations, 1956, as varied by the Coal and Other Mines (Managers and Officials) (Variation) Regulations, 1961, to read these reports on his behalf.

[Signature]
Countersignature of mechanical engineer or mechanic in charge*

Date 27 MAR 1973

[Signature]
Countersignature of electrical engineer or electrician in charge*

Date 29 March 1973

Date 27/3/73.

[Signature]
Date 27 MAR 1973

Part I. Report of weekly tests of the automatic contrivance to prevent overwinding in the

WINSTANLEY shaft*/~~unwalkable~~ outlet*

I certify that I have this day carried out a test/~~supervised a test carried out by~~ *

of the operation of the automatic contrivance to prevent overwinding in the shaft * / ~~unwalkable~~ outlet * described above in accordance with the requirements of paragraph (4) (a) of Regulation 19 and that the following is a full and accurate report of the result of the test.

The { (a) NORTH } cage or carriage was brought to rest by the operation of the
(b) SOUTH

automatic contrivance { (a) ~~10~~ 9 feet inches } past the highest landing * / the point at which
(b) feet 8 inches }
the outlet reaches the surface*.

Signed [Signature]
Supervisory Mechanic*

Date 31-3-73

Signed [Signature]
Supervisory Electrician*

Date 31-3-73

Signature of manager or person appointed under Section 10 of the Act to read these reports on his behalf

Signature of under-manager or person appointed under Regulation 6A of the Coal and Other Mines (Managers and Officials) Regulations, 1956, as varied by the Coal and Other Mines (Managers and Officials) (Variation) Regulations, 1961, to read these reports on his behalf.

[Signature]
Countersignature of mechanical engineer or mechanic in charge*

Date 3 APR 1973

[Signature]
Countersignature of electrical engineer or electrician in charge*

Date 3/3/73.

Date 3/4/73

[Signature]
Date 3 APR 1973

* Delete whichever is not applicable.

(a) and (b) Insert the appropriate name and distance.

Part II. Report of quarterly tests of the automatic contrivance to prevent overwinding in the WINSTANLEY shaft* /unwalkable outlet*

I certify that I have this day ~~carried out a test~~ /supervised a test carried out by* Area Tester of the operation of the automatic contrivance to prevent overwinding in the shaft* /unwalkable outlet* described above in accordance with the requirements of paragraph (4) (b) of Regulation 19 and that the following is a full and accurate report of the result of the test.

The { (a) NORTH } cage carried a load of { (a) 1 tons 0 cwts. } equal
{ (b) SOUTH } { (b) 1 tons 0 cwts. }

to the weight of the maximum number of persons permitted to ride in that cage at any one time and it passed the selected point or artificial landing, being a point or

landing { (a) 2 KEYS } revolutions of the winding drum or winding sheave
{ (b) 2 KEYS }

above the lowest entrance to, or the bottom of, the shaft or outlet, at a speed of

{ (a) 4:9 feet } per second when tested in accordance with the requirements of
{ (b) 4:9 feet }

paragraph (4) (b) of Regulation 19. The test was carried out in the following manner and included a test of the brakes to determine whether they were in accordance with the requirements of paragraph (1) of Regulation 9 :—

Torque test carried out brakes satisfactory
Brake time delay satisfactory
Tested up to inside shaft
Landing speed with full power
applied F.M.L. decelerating

Signed Home
Supervisory Mechanic*

Date 11/4/73

Signed
Supervisory Electrician*

Date

Signature of manager or person appointed under Section 10 of the Act to read these reports on his behalf.

Signature of under-manager or person appointed under Regulation 6A of the Coal and Other Mines (Managers and Officials) Regulations, 1956, as varied by the Coal and Other Mines (Managers and Officials) (Variation) Regulations, 1961, to read these reports on his behalf.

Home
Countersignature of mechanical engineer or mechanic in charge*

Date 14/4/73

Chadwick
Countersignature of electrical engineer or electrician in charge

Date 15/4/73

Date 14/4/73

Date 24-4-73