

THE EXPLOSIVES IN COAL MINES
ORDER OF THE 9TH NOVEMBER, 1921.

NOTE.—The following is a complete list of the Permitted Explosives:—

PART I.

(Explosives which have passed the Rotherham Test.)

Explosive.	Permissible maximum charge in ounces.	Pendulum swing in inches.*
Ammonite	18	2.44
Ammonite No. 1	24	2.42
Ammonite No. 5	26	2.41
A. 2. Monobel	22	2.44
Bellite No. 1	20	2.74
Cambrite No. 2	24	2.00
Denaby Powder	18	2.74
du Pont Permissible No. 1	18	2.82
Dynobel No. 2	24	2.46
Dynobel No. 3	18	2.50
Dynobel No. 4	30	2.35
Essex Powder	38	2.17
Expedite	32	2.62
Haylite No. 2	18	1.96
Haylite No. 3	16	2.44
Kentite	18	2.64
Monarkite	18	2.30
Monarkite No. 2	32	2.46
Monobel No. 1	10	2.81
Negro Powder No. 2	20	2.21
New Fortex	10	2.61
Rex Powder	20	2.61
Roburite No. 4	18	2.86
Samsonite No. 3	24	2.42
Seamex	36	2.54
Stomonal No. 1	20	2.68
Stomonal No. 2	30	2.57
Super-Cliffite No. 2	30	2.53
Super Cliffite No. 3	22	2.77
Super-Excellite No. 3	36	2.73
Super-Rippite	18	2.53
Super-Rippite No. 2	26	2.49
Thames Powder	32	2.78
Thames Powder No. 2	22	2.59
Tyne Powder	36	2.56
Viking Powder No. 1	26	2.44
Viking Powder No. 2	18	2.59

PART II.

Bobbinites.

(Permitted only for the purpose of bringing down coal in certain mines, and only until 31st December 1923.)

* This is the swing given to the ballistic pendulum at the Official Testing Station by firing at it a shot of 4 ounces of the explosive. It may be compared with the swing of 3.27 inches given by a shot of 4 ounces of gelignite containing 60 per cent. of nitro glycerine.

MINES.

COAL MINES ACT.

THE EXPLOSIVES IN COAL MINES ORDER OF THE 9TH NOVEMBER 1921.

In pursuance of the power conferred upon them by Section 61 of the Coal Mines Act, 1911,* and under the provisions of the Mining Industry Act, 1920,† the Board of Trade hereby make the following Order:—

(1) The Explosives in Coal Mines Order of the 1st September 1913,‡ as amended by the Explosives in Coal Mines Orders of subsequent dates, shall be amended and shall take effect as if the explosive named and defined in the Schedule to this Order were named and defined in the First Schedule to that Order, and in all respects as if the Schedule to this Order formed part of the First Schedule to that Order.

(2) This Order may be cited as the Explosives in Coal Mines Order of the 9th November 1921.

W. C. BRIDGEMAN,
Secretary for Mines.

Mines Department,
Victoria Street, S. W. 1.
9th November 1921.

SCHEDULE.

Tyne Powder, consisting of the following mixture:—

Ingredients.	Parts by weight.	
	Not more than	Not less than
Nitro-glycerine	10	8
Nitro-naphthalene	1	0
Nitrate of ammonium §... ..	60.5	57.5
Woodmeal (dried at 100° C.)	10	8
Chloride of sodium	21	19
Moisture	2	—

Provided:—

- (1) That the explosive shall be used only when contained in a case of paper thoroughly waterproofed with (a) a mixture of ceresine and resin, or (b) with paraffin wax;
- (2) That the explosive shall be used only with a detonator or electric detonator of not less strength than that known as No. 6 (i.e., the detonator or electric detonator to be used shall possess an effective detonative strength as great as, or greater than, that of one containing 15 grains of a composition consisting in every 100 parts by weight of 80 parts of fulminate of mercury and 20 parts of chlorate of potassium);
- (3) That the greatest weight of the explosive

* 1-2 G. 5, c. 50.

† 10-1 G. 5, c. 50.

‡ S.R. & O., 1913, No. 953.

§ Including not more than 2 per cent. of Carbonate of magnesium.