

The distance between holing props and sprags, also between face-sprags, is 5 ft., in accordance with Special Rule 36.

The penalties for a breach of the regulations for the first offence shall not exceed a fine of £5, and for a second or subsequent offence shall not exceed a fine of £10.

## (d.) PERMITTED EXPLOSIVES.

[Regulations 128 to 134 inclusive.]

Since the regulations enforcing the use of Home Office permitted explosives came into operation in New Zealand, in June, 1915, mine-owners have been fortunate in being able to obtain an adequate supply. In this Dominion no other than permitted explosives are allowed to be used in mines in which inflammable gas has been found, and with the exception of the explosive "ligdynite" no other than a Home Office permitted explosive is allowed in a mine which is not naturally wet throughout. A decision was given in April, 1919, in the Hamilton (Scotland) Sheriff Court, in the case of the Inspector of Mines *v.* Lanyon and White, that a mine which is naturally wet but has some dry parts is not naturally wet throughout, and that under the United Kingdom regulation (which is identical with that of New Zealand) unless a mine is naturally wet throughout no explosive other than a permitted explosive may be used.

The United Kingdom Explosives in Coal-mines Order of the 14th November, 1919, issued by the Home Secretary, which amends the Explosives in Coal-mines Order of 1st September, 1913, and subsequent Orders, came into force on the 1st January, 1920, from which date all previous Explosives in Coal-mines Orders amending the schedules to the Order of the 1st September, 1913, are revoked.

The following tables show the explosives that have passed the Rotherham test, with particulars of their composition, &c. :—

## FIRST SCHEDULE.

Name of Explosive.	Name of Makers.	Permissible Maximum Charge in Ounces.	Pendulum-swing in Inches.	Detonator.
<i>Ammonium-nitrate Group.</i>				
Ammonite .. ..	Miners' Safety Explosives Company (Limited) ..	18	2.44	6
Ammonite No. 1 .. ..	" .. ..	24	2.42	7
" No. 5 .. ..	" .. ..	26	2.41	6
Bellite No. 1 .. ..	Lancashire Explosives Company (Limited) ..	20	2.74	6
Negro Powder No. 2 .. ..	Roburite and Ammonal (Limited) .. ..	20	2.21	7
Roburite No. 4 .. ..	" .. ..	18	2.86	7
Denaby Powder .. ..	British Westfalite (Limited) .. ..	18	2.74	6
Expedite .. ..	Explosives and Chemical Products (Limited) ..	32	2.62	7
Kentite .. ..	British Westfalite (Limited) .. ..	18	2.64	6
New Fortex .. ..	Explosives and Chemical Products (Limited) ..	10	2.61	6
<i>Nitro-glycerine Group.</i>				
Samsonite No. 2 .. ..	Nobel's Explosives Company (Limited) .. ..	26	2.49	6
" No. 3 .. ..	" .. ..	24	2.42	6
Super-Rippite .. ..	Curtis's and Harvey (Limited) .. ..	18	2.53	6
Cambrite No. 2 .. ..	Nobel's Explosives Company (Limited) .. ..	24	2.00	6
Essex Powder .. ..	Explosives and Chemical Products Company (Limited)	38	2.17	6
Haylite No. 2 .. ..	National Explosives Company (Limited) .. ..	18	.96	7
du Pont Permissible No. 1 .. ..	E. I. du Pont de Nemours and Company .. ..	18	2.82	6
Dynobel No. 3 .. ..	Nobel's Explosives Company (Limited) .. ..	18	2.50	6
" No. 4 .. ..	" .. ..	30	2.35	6
Haylite No. 3 .. ..	National Explosives Company (Limited) .. ..	16	2.44	7
Monarkite .. ..	Nobel's Explosives Company (Limited) .. ..	18	2.30	6
Monobel No. 1 .. ..	" .. ..	10	2.81	6
A2 Monobel .. ..	" .. ..	22	2.44	6
Rex Powder .. ..	Cotton Powder Company (Limited) .. ..	20	2.61	6
Seamex .. ..	Explosives and Chemical Products Company (Limited)	36	2.54	6
Stomonal No. 1 .. ..	New Explosives Company (Limited) .. ..	20	2.68	6
" No. 2 .. ..	" .. ..	30	2.57	6
Super-Cliffite No. 2 .. ..	Curtis's and Harvey (Limited) .. ..	30	2.53	6
Super-Excellite No. 3 .. ..	" .. ..	36	2.73	6
Viking Powder No. 1 .. ..	Nobel's Explosives Company (Limited) .. ..	26	2.44	6
" No. 2 .. ..	" .. ..	18	2.59	6
Thames Powder .. ..	British Explosives Syndicate (Limited) .. ..	32	2.78	6
" No. 2 .. ..	" .. ..	22	2.59	6

## SECOND SCHEDULE.\*

Name of explosive: Bobbinite.

## SECOND (A) SCHEDULE.†

Name of Explosive.	Name of Makers.	Permissible Maximum Charge in Ounces.	Detonator.
Ligdynite .. ..	Cape Explosives Works (Limited) .. ..	18	6

\* Permitted for the purpose of bringing down coal in certain mines, and only until the 31st December, 1920.

† Permitted only in mines in which fire-damp has not been reported for three years. This explosive has passed the Rotherham test but is not on the Home Office Explosives in Coal-mines Order, being the only explosive permitted in New Zealand which is not on such Order.