

15 & 16 VICTORIÆ, Cap. 83. Sec. XXXII.



**SUBJECT-MATTER INDEX**  
OF  
**PATENTS APPLIED FOR AND PATENTS  
GRANTED**

**For the Year 1861.**

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UNDER THE

**ACT of 15 & 16 VICTORIÆ, Cap. 83. Sec. XXXII.**

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**BY BENNET WOODCROFT,**

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**1863.**

PATENTS APPLIED FOR AND PATENTS GRANTED.

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Subject-matter of Patent.	Number of Patent.	Date.	Name of Patentee.
<b>ACCIDENTS, &amp;c.—continued.</b>			
An improved apparatus to be applied to the shoes of horses and other shod animals to prevent them from slipping in frosty weather. <i>(Communicated by Pierre Thiry, senr.)</i>	1861	31st May 1861	Richard Archibald Brooman.
An improved electro-thermometrical alarum -	1443	7th June 1861	Hyppolite Auguste Balsaac.
Means or apparatus employed in signalling on railways.	1479	10th June 1861	Charles Frederick Whitworth.
An improved method of constructing safety rifle and other gun ranges.	1494	11th June 1861	Charles Cheyne.
Apparatus in connection with railway carriage buffers for preventing damage in cases of railway collision.	1747	11th July 1861	Patrick Adie.
Safety lamps - - - - -	1789	16th July 1861	Richard Jones.
Means of preventing the extension of fire in buildings.	1842	23rd July 1861	Charles Batty.
Apparatus for protecting and arranging water pipes and withdrawing water therefrom and preventing injury thereto by frost - - -	1927	3rd Aug. 1861	{ George Fowler Jones. James Jones.
Improvements in steam-boilers and in apparatus connected therewith - - - - -	1948	6th Aug. 1861	{ William Galloway. John Galloway. John William Wilson.
Improved apparatus for succouring persons interred before life is extinct. <i>(Communicated by Ramond Maleville.)</i>	2184	30th Aug. 1861	Hippolyte Lecaudey.
Apparatus to prevent over winding at coal and other mines - - - - -	2175	31st Aug. 1861	{ John Copple. Edward Copple.
Signal apparatus applicable for the prevention of railway train collisions. <i>(Communicated by Mr. Antoine Grivel, junior.)</i>	2185	2nd Sept. 1861	William Clark.
Improvements in apparatus for signalling on railways by means of electricity. <i>(Communicated by Eugene Vincenzi.)</i>	2284	6th Sept. 1861	Michael Henry.
An improved apparatus for the prevention of accidents to vehicles drawn by affrighted horses.	2272	13th Sept. 1861	William Davis.
Improved automatic electric signals to prevent collisions on railroads and railways.	2292	14th Sept. 1861	Frederic Barnett.
Improvements in the manufacture of safety fuses, parts of which are applicable to the manufacture of pipes and tubes of lead and other soft metal, gutta percha, caoutchouc, bitumen, and earthenware.	2382	24th Sept. 1861	Thomas Davey.
A self-acting alarum which can be fixed on tenders, guards' compartments or other parts of railway trains, for preventing collisions.	2432	30th Sept. 1861	Edward Funnell.
Protecting the locks and sights of fire-arms -	2489	30th Sept. 1861	Henry Hickman.
Markers, butts or mantelets - - - - -	2445	1st Oct. 1861	Robert Nightingale.
An improved miners' lamp - - - - -	2512	8th Oct. 1861	Isaac Evans, junior.
Improvements in lifting or hoisting apparatus whereby to ensure the safety of the cage or article lifted when a rope or chain breaks or is overwound, and in hoists generally as applied to mills, warehouses and other buildings - - -	2579	16th Oct. 1861	{ Joseph Lister. David Myers.
Improved electric danger signals for railways and other cognate purposes.	2682	26th Oct. 1861	Frederic Barnett.

Subject-matter of Patent.	Number of Patent.	Date.	Name of Patentee.
<b>SIGNALS, &amp;c.—continued.</b>			
Machinery for sounding fog bells and other bells -	1678	2nd July 1861	James Potts.
Improvements in engines for obtaining motive-power by the elastic force of steam and air combined, parts of which improvements may be employed for sounding steam whistles. (Communicated by Robert Rogers.)	1702	4th July 1861	William Edward Newton.
Machinery or apparatus for working railway signals	1788	16th July 1861	John Blinkhorn.
Improvements in fusee signals and in means or apparatus for applying or placing them and fog signals on the rails of railways from the van of a train in motion.	1890	29th July 1861	Reuben Riley.
Improvements in operating upon railway signals and in indicating their position by means of electricity	2069	20th Aug. 1861	{ Samuel Whitaker. Ralph Augustine Jones.
An improved signal - - - - (For railways, &c.) (Communicated by Robert Harvey.)	2150	29th Aug. 1861	John Love.
Stopping or retarding railway and other carriages and trains, locomotive and stationary engines and machinery, together with apparatus employed therein, which apparatus is applicable to the raising and lowering of weights and other purposes for which power is required.	2183	30th Aug. 1861	James Harris.
Improved apparatus for succouring persons interred before life is extinct. (Communicated by Ramond Maleville.)	2184	30th Aug. 1861	Hippolyte Lecaudey.
Railway, ship and other signals - - -	2174	31st Aug. 1861	Charles Pemberton.
Signal apparatus applicable for the prevention of railway train collisions. (Communicated by Mr. Antoine Grivel, junior.)	2185	2nd Sept. 1861	William Clark.
Improvements in apparatus for signalling on railways by means of electricity. (Communicated by Eugene Vincenzi.)	2234	6th Sept. 1861	Michael Henry.
Apparatus by which an engine or train is made to give an alarm or signal at any required place on arriving at or passing any given point on the railway - - - -	2241	7th Sept. 1861	{ Joseph Holland. George Okell.
Improved apparatus for enabling the guards and drivers of railway trains to communicate with each other.	2266	12th Sept. 1861	Archibald Turner.
Self-acting signals for railways - - -	2290	14th Sept. 1861	James Lea.
Improved automatic electric signals to prevent collisions on railroads and railways.	2292	14th Sept. 1861	Frederic Barnett.
Means or apparatus for self-acting signals in tunnels and elsewhere on railways.	2338	19th Sept. 1861	Edward Clark.
A self-acting alarm which can be fixed on tenders, guards' compartments or other parts of railway trains, for preventing collisions.	2432	30th Sept. 1861	Edward Funnell.
Improvements in magnetic and electric telegraph apparatus which are also applicable to other purposes.	2464	3rd Oct. 1861	William Thomas Henley.
An improved method of signalling the passage of trains upon railways.	2471	3rd Oct. 1861	Camille Mauverney.
Signalling for rifle practice - - -	2501	7th Oct. 1861	Wedderspoon Keiller.
Electric telegraph apparatus - - -	2545	12th Oct. 1861	John Clark.