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Lunar occultations for August

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Caustic soda at first merely softens bees' wax, but afterwards converts it into soap, though not so readily as the vegetable wax.

By analysis, bees' wax yielded

Carbon	31·2910
Hydrogen	14·0726
Oxygen.....	4·6364

100·0000

Ann. de Ch. et de Phys. xlix. p. 240.

LIST OF NEW PATENTS.

To J. J. Jaquier, Castle-street, Leicester-square, merchant, for improvements in the machinery for making paper. Communicated by a foreigner.—Dated the 31st of August 1831.—6 months allowed to enrol specification.

To H. G. Dyar, Panton-square, gentleman, for an improvement in tunneling, or method of executing subterraneous excavations.—5th of September.—6 months.

To G. Forrester, Vauxhall Foundry, Liverpool, civil engineer, for certain improvements in wheels for carriages and machinery, which improvements are applicable to other purposes.—5th of September.—6 months.

To W. Bickford, Tuckingwill, Cornwall, leather-seller, for his invention of an instrument for igniting gunpowder, when used in the operation of blasting rocks and in mining.—6th of September.—6 months.

To J. Neville, Great Dover-road, Surrey, engineer, for his improved apparatus for clarifying water and other fluids.—9th of September.—6 months.

To G. H. Palmer, Manchester-street, Gray's-Inn-road, civil engineer, for certain improvements in the steam-engines, boiler, and apparatus, or machinery connected therewith, applicable to propelling vessels, carriages, and other purposes.—16th of September.—6 months.

LUNAR OCCULTATIONS FOR AUGUST.

Occultations of Planets and fixed Stars by the Moon, in August 1832. Computed for Greenwich, by THOMAS HENDERSON, Esq.; and circulated by the Astronomical Society.

1832.	Stars' Names.	Magnitude.	Ast. Soc. Cat. No.	Immersion.				Emissions.							
				Sidereal time.		Mean solar time.		Angle from		Sidereal time.		Mean solartime.		Angle from	
				h	m	h	m	North Pole.	Vertex.	h	m	h	m	North Pole.	Vertex.
Aug. 4	49 Libræ...	5·6	1826	18	29	9	35	106	131	19	33	10	39	226	257