tions for *latitude* to be applied to the times of *setting* given in pp. 6, 7, 8, of the Calendar, in order to find the times at which the Moon sets at other stations, may be found approximately from lat. 42° to lat. 48°, by multiplying the numbers in the adjoining column by the numbers of degrees by which the latitude exceeds 5°. degrees by which the latitude exceeds 5°. If the latitude be less than 45°, the signs of the corrections must be charged. The corrections for latitude 49½ and 50° will be more near the truth, if the multipliers (which according to the preceding rule, would be 4 and 5) be taken as ½ and 5½.

The corrections for latitude to be applied

The corrections for latitude to be applied to the times of rising are the same as those used for setting, but with the signs

changed.

the same interval The average value of the first of these corrections is about two minutes to be added for each hour or for each fifteen degrees of longitude west of the central meridian, 4h. 46m.; the correc-tions being substracted when the place is to the east of the central meridian

The correction for change of declaration

may be disregarded.

The last column in each month on pp 6, 7, 8, shows the time to which a watch should be set when the sun is due south, or when the shadow falls on the noon

mark of a sun dial.

The times of the rising and setting of the sun and moon on pp. 6, 7, 8, without modification, will serve with sufficient exactness for Halifax, Montreal and Ot-In strictness, two corrections for longitude are required.—one due to the motion of the moon in Right Ascension during the interval that elapses between her rising (or setting) at stations in different longitudes; and the other due to the change in the moon's declination during

JEWISH CALENDAR FOR 1879.

5639.	1879.		5639.	1879.	
			Ab	July 21	
l			9	. 29	Fast of Ab.—Destruc-
		t i	Elul	Aug. 19, 20	tion of the Temple.
Shebat			5640 A.M.		
Adar	Feb. 23, 24	 _	Tishri	Sept. 18, 19	New Year.
		Fast of Esther.	" 4		Fast of Gedaliah.
" 14, 15		Purim.	" 10		Day of Atonement.
Nissan	" 25	[Passover.]	" 15, 16		Feast of Tabernacles.
" 15, 16	April 8, 9	First two days of	" 21		Hoshanna Rabba.
Iyar	" 23, 24		" 22		Feast of Eighth Day.
10	Meral II	Lag L'Omer.	" 23	" 10	Feast of the Law.
Sivan	" 23		Heshvan .	17	The control of the co
" 6, 7	" 28, 29	Pentecost.	Kislev		
Tamuz	June 21, 22				Feast of Dedication.
" 17	July 8	Fast of Tamuz.	Tebet	" 15, 16	

SOVEREIGNS OF EUROPE, &c.

State.	Sovereigns and their Titles.	Date of Birth.	Access	Accession.	
Austria	Francis Joseph I., Emperor of	18 Aug. 18	30 2 Dec.	1818	
Baden	Frederick, Grand Duke of	9 Sept. 18	26 5 Sept.	1856	
Bavaria	Louis II, King of	25 Aug. 18	45 10 Mar.	1864	
Belgium	Leopold II., King of	9 April, 18	35 10 Dec.	1865	
Brazil	Pedro II , Emperor of		25 7 April	1831	
Denmark	Christian IX., King of		18 15 Nov.	1863	
Egypt	Ismail Pasha, Khedive	26 Nov. 18	16 18 Jan.	1863	
	Marshal MacMahon, President.	13 July. 18	08 -May	1873	
Germany.	William I., Emperor of	22 Mar. 17	97 18 Jan.	1871	
Great Britain	Victoria, Queen of George I., King of the Greeks	21 May. 18	19 20 June	1847	
Greece	George I., King of the Greeks	24 Dec. 18	45 6 June	1863	
Hesse Darmstadt	Louis III., Grand Duke of	9 June. 18	06 16 June	1848	
Holland.	Louis III., Grand Duke of William III., King of	19 Feb. 18	17 17 Mar.	1849	
Italy	Humburt, King of .			1877	
Mecklenburg Schwerin	Frederic Frances, Grand Duke of	28 Feb. 18	23 7 Mar.	1842	
Mecklenburg Strelitz	Frederic William, Grand Duke of	17 Oct. 18	19 6 Sept.	1860	
Oldenburg			27 27 Feb.	1853	
Persia	Nasr-ed-dean. Shah	18	30 - Oct.	1848	
Portugal	Louis I., King of	31 Oct. 18	38 11 Nov.	. 1861	
Rome	Leo XIII., Pope		20 Feb.	1878	
Paggio	Alexander II. Emperor of	29 April 18	8 2 Mar.	1855	
Saxe Coburg and Gotha	Ernest II., Duke of	21 June 18	18:9 Jan.	1844	
Saxe Meiningen	George, Duke of	2 A Dril 18	26 20 Sept.	1866	
Save Weimar	Charles Alex'der, Grand Duke of	24 June 18	8 July	1853	
Saxony	Albert, King of	23 April 18	28 29 Oct.	1873	
Quain .	Alfonso I.,	28 NOV. 18	7731 Dec	1874	
Sweden and Norway.	Oscar II King of	21 Jan. 189	29 18 Sept.	1.72	
Turkey	labdul Hamid II. Sultan of	22 Sept. 184	12 31 A ng.	1876	
Tinited States America	Ruth ford B. Haves, President of		4 Mar.	1877	
Wurtemburg	Charles I., King of	6 Mar. 18	² 3 25 June	1861	