rections for latitude to be applied to the times of setting given ir 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°. If the latitude be less than 45°, the signs of the corp. settons must be charged. The corrections for latitude 49; 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 4; and 5). 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. rections for lutitude to be applied to the 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 corrections being subtracted when the place is to the east of the central meridian.

JANUA

st Qtr.... ew Moon.

rst Qtr... il Moon.

ast Qtr.. Tew Moon first Qtr .

uli Moon

SEPTE

New Moo First Qtr Full Moo Last Qt.

The correction for change of declination

The correction for enange of declination may be disregarded

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

which according to the preceding rule which the sach and 5) be taken as 4\ \ \frac{1}{2}\ \) and 5.

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

In strictness, two corrections for lougland the 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 stations as regards latitude.

JEWISH CALENDAR FOR 1877.

5637.	1877.		5637.	1877.	111-
				July 11	1
			" 9		Fast of Av Destruc-
Shevat			Elul	Aug. 9, 10	tion of the Temple.
Adar	Feb. 14, 15		5638 A. M.		
" 18	1 " 26	Fast of Esther.	Tishri	Sept. 8, 9	New Year.
4 15		Purim (Passover.		10	Fast of Gedaliah.
Nissan	" 29, 30	First two days of	" 10	44 17	Day of Atonement.
" 15, 16	April 4.5	Last " "	" 15, 16	" 22, 23	Feast of Tabernacies.
Eyor	1 74 10 14		" 21	" 29	Hoshanna Rabba.
16 18	May 1	Lag L'Omer.	" 22		Feast of Eighth Day
Sivan	12		" 23	" 30	Feast of the Law.
6 6.7	" 18, 19	Pentecost.			
Tamuz	June 11, 12		Kislev	Oct. 7, 8 Nov. 6, 7	
" 17		Fast of Tamuz.		Dec.	Feast of Dedication.
			Tivice	" 6,	
	ì		10	"	ş!

COMPRESSED OF PUROUE AC

State.	Sovereigns and their Titles.	Date . of Birth.		Accession.	
Austria	Francis Joseph I., Emperor of	18 Aug.	1830	2 Dec.	184
Baden	Frederick, Grand Duke of	. 9 Sep.	1826	5 Sept.	1854
Bavaria	Louis II., King of	. 25 Aug.	1845	10 March	186
Belgium	Leopold II., King of	9 April	1835	10 Dec.	186
	Pedro II., Emperor of		1825	7 April	183
Denmark	Christian IX., King of	8 April		15 Nov.	186
Egypt	Ismail Pasha, Khedivc	26 Nov.	1816	18 Jan.	186
France	Marshal MacMahon, President	la July	1808		187
Germany	William I Emperor of	22 Mar.		18 Jafi.	187
Great Britain	Victoria, Queen of	24 May	1819	20 June	188
dreece	Victoria, Queen of George I., King of the Greeks Louis III., Grand Duke of	. 24 Dec.	1845	1 8 June	186
Hesse Darmstadt	Louis III., Grand Duke of	. 9 June	1806	16 June	184
Holland	William III., King of	. 19 Feb.	1817	17 Mar.	184
(taly	Victor Emanuel II., King of	14 Mar.		23 Mar.	184
Mecklenburg Schwe	erin Frederic Francis, Grand Duke of	. 28 Feb.		7 Mar.	184
Mecklenburg Strell	tz Frederic William, Grand Duke o	f 17 Oct.	1819	6 Sept.	186
Oldenburg	Nicolas, Grand Duke of	. 8 July		27 Feb.	185
Persia	Nasr-ed-Deen, Shah		1830		184
Portugal	Louis I., King of	. 31 Oct	1838	Ill Nov.	186
Rome	l'ius IX., Pope	13 May	1792	116 June	184
Russia	Alexander II., Emperor of	.129 April	1818		185
Saxe Coburg and Go	otha. Ernest II Duke of	. 21 June	1818	129 Jan.	184
Saxe Meiningen	George, Duke of Charles Alex'der, Grand Duke o	2 April	1820	20 Sept.	186
Saxe Welmar	Charles Alex'der, Grand Duke o	f. 24 June	1818	8 BJuly	185
Saxony	Albert, King of	23 Apri	182	3 29 Oct.	187
Spain	Alfonso I	. 28 Nov.	1857	81 Dec.	187
Sweden and Norwa	yOscar II., King of	. 21 Jan.	1829	118 Hept.	187
Turkey	Abdul Hamid, Sultan of			1 4 Sept.	187
	rica) Gen. Grant, President of	.127 April	1822	Re-elect.	
Wurtemburg	Charles I., King of	. 6 Mar.	1824	25 June	186