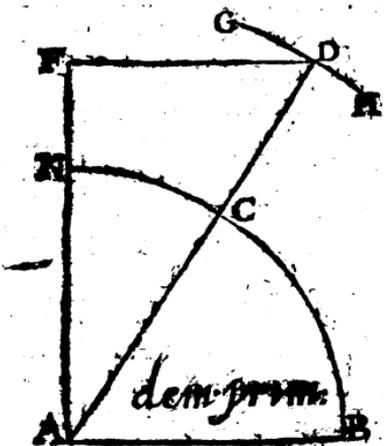from whence you departed, and you shall have the
Latitude that you are in: contrariwise, substract them
(if the Latitude from whence you departed, be
North) and you have likewise the Latitude that you
are in.

Chap. VIII.

The distance of Latitude and Leagues sayled being gi-
ven, to finde the distance Meridional, and consequent-
ly the difference of Longitude.

Sayling from the North Parallell of 56 deg. and 5 min.
100 Leagues betwixt South and West, untill the
Pole be depressed 4 deg. 9 min. the difference of Lon-
gitude is demanded.

IN the first demon-
stration draw the
Quadrant A K C
B, as is taught in
the last Chapter. Then
reduce your degrees of
Latitude into Leagues,
which is done by mul-
tiplying of them by 20
the product will be 83
leagues, which leagues
being applied unto the
Meridian Line A K F,
they will end in the
point F, Then from F, draw the Line D F, Parallell
unto A B, Then open your Compasses unto the di-
stance of 100 leagues of your Scale of equall parts,
and

and set one foote of your Compasses in the point A, and with the other draw the arch G H, cutting the Line FD, in D, so shall the distance D F, bee the distance of the Meridian, from the Meridian, from whence you departed, which (being applyed unto the Scale) is 56 leagues. Then in regard you sayled from the North Parallell of 56 deg. and 5 min. untill you had depressed the Pole 4 deg. 5. min. Substract therefore 4 deg. 9 min. from 56 deg. 5 min. and there remayneth 51 deg. 56 min. which is the latitude of the place you are in, and in that Parallell have you departed the first Meridian 56 leagues. Then opening your Compasses unto 51 deg. 56 min. of your Cord, and apply it unto the first Line of Longitudes, and you shall finde that 12 leagues and one mile (in that Parallell) doe alter one degree of Longitude. Then set one feote of your Compasses in the second Line of Longitude, at 12 Leagues, one Mile, and extend the other unto one degree of that Line; then with that distance set one foot of your Compasses in 56 leagues of the aforesaid Line, and the other will extend unto 4 degrees 33 min. which is the distance Meridionall desired.

C 3   CHAP.