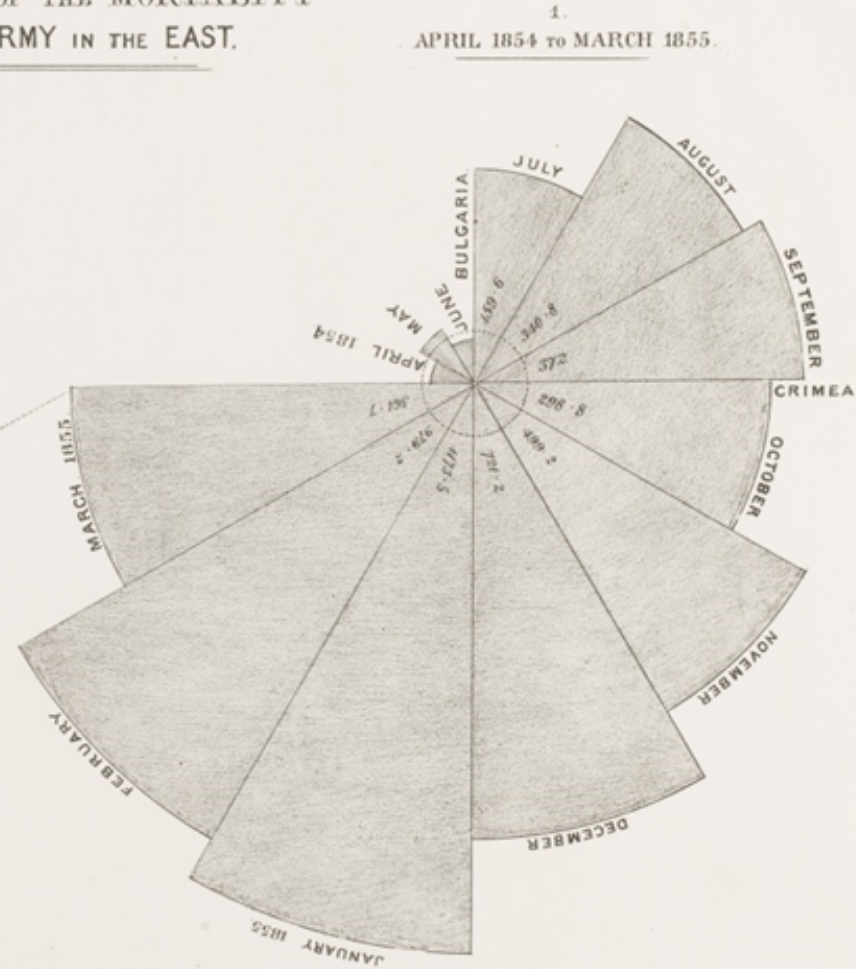
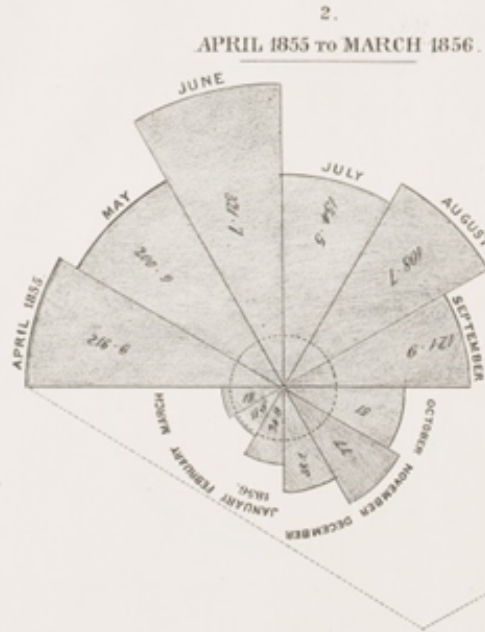


DIAGRAMS OF THE MORTALITY IN THE ARMY IN THE EAST.

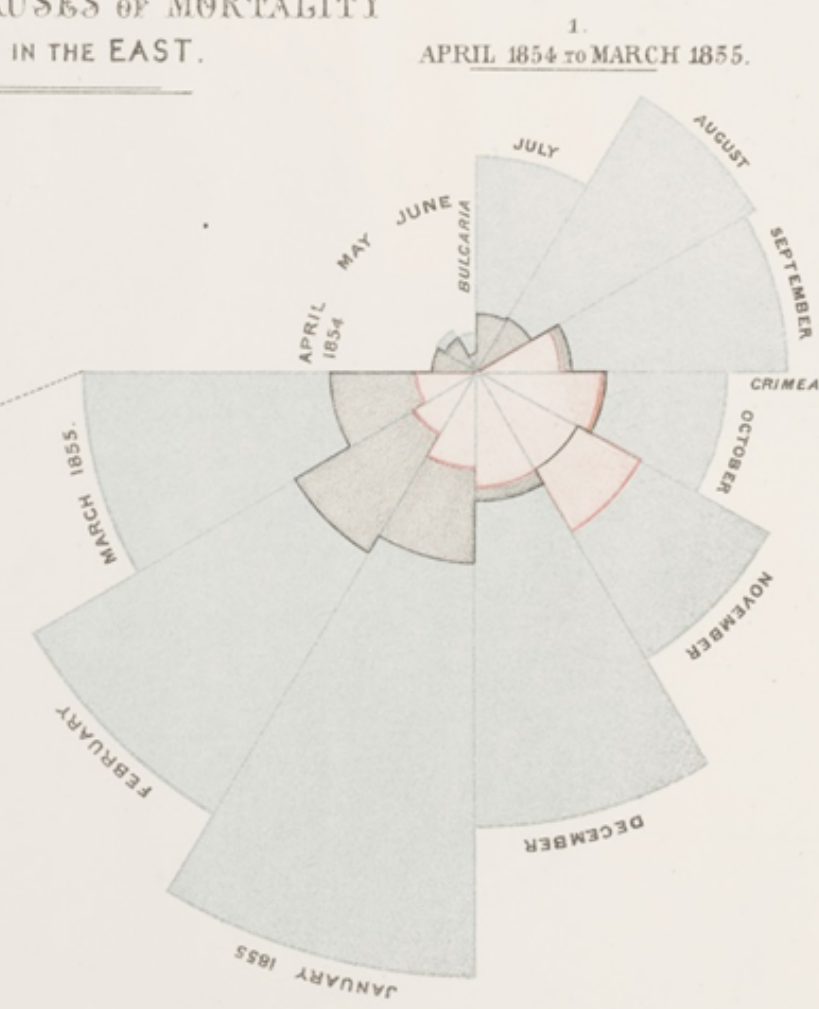
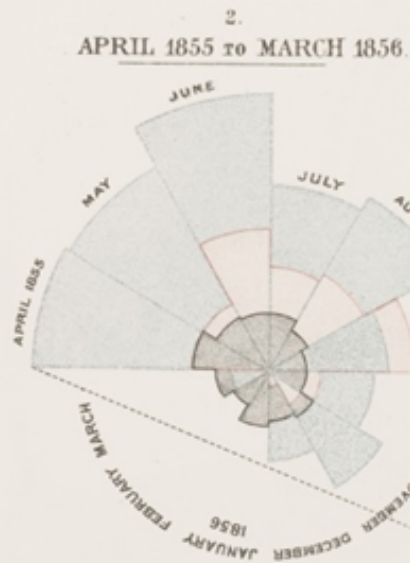


The dotted circle represents what the Mortality would have been, had the Army been as healthy as Manchester - 12.4 per 1000 per Annum. The Area of each Monthly division exhibits the relative Mortality in the Army during the Month.

Each wedge admits of Comparison, area for Area, with every other wedge, and with the Manchester Circle, and each wedge shows the Mortality per 1000 per Annum for the Month.

The dark Area outside the Manchester Circle exhibits the excess of Mortality in the Army for the same ages over that of one of the most unhealthy Towns in England. The figures show the Mortality per 1000 per Annum.

DIAGRAM OF THE CAUSES OF MORTALITY IN THE ARMY IN THE EAST.



The Areas of the blue, red, & black wedges are each measured from the centre as the common vertex.

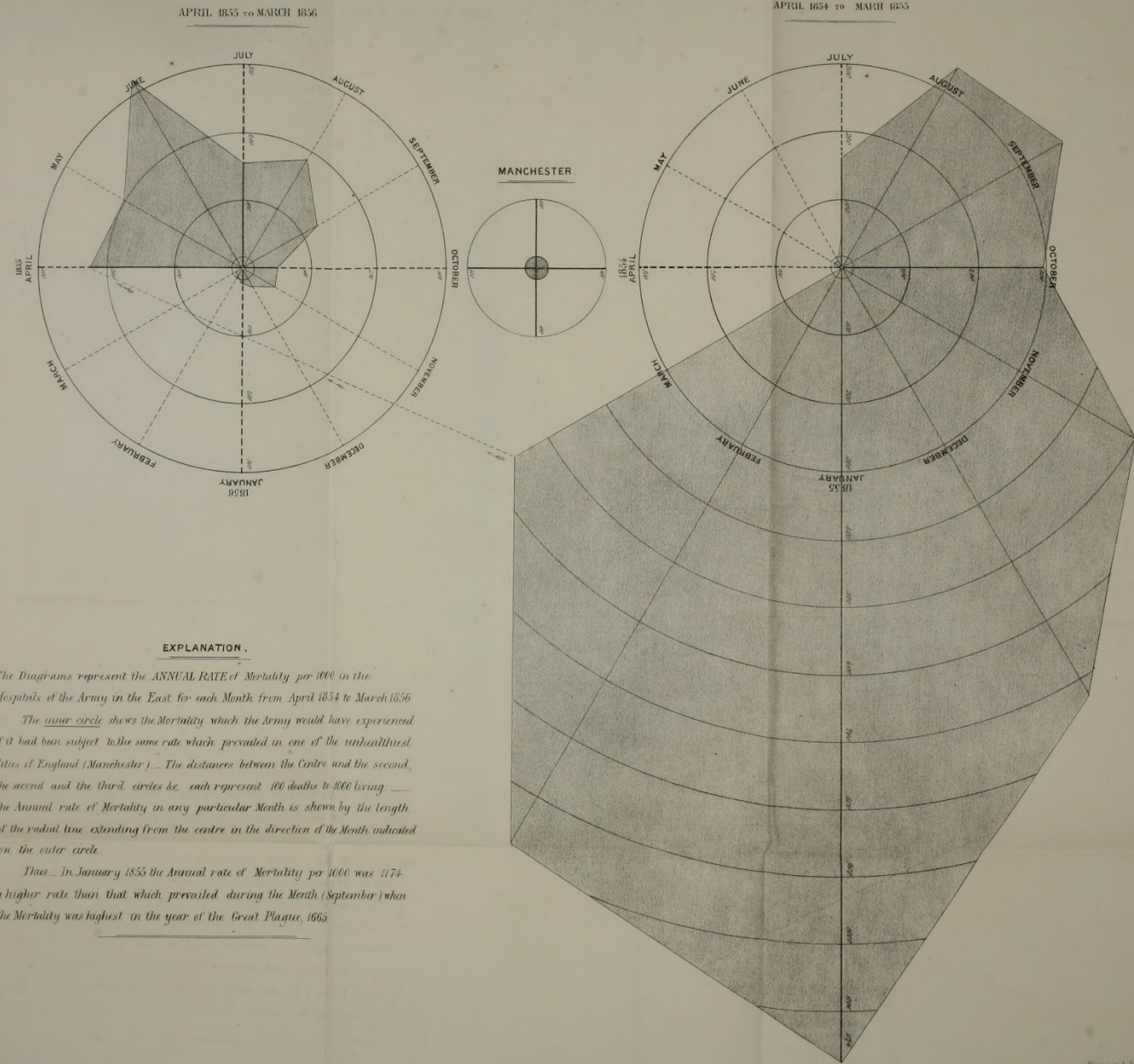
The blue wedges measured from the centre of the circle represent area for area the deaths from Preventible or Mitigable Zymotic diseases, the red wedges measured from the centre the deaths from wounds, & the black wedges measured from the centre the deaths from all other causes.

The black line across the red triangle in Nov^r 1854 marks the boundary of the deaths from all other causes during the month.

In October 1854, & April 1855, the black area coincides with the red; in January & February 1856, the blue coincides with the black.

The entire areas may be compared by following the blue, the red & the black lines enclosing them.

(I)
ARMY IN THE EAST.



(K)
DIAGRAMS

representing the relative Mortality from *DYNTIC DISEASES* (blue), from *WOUNDS &c* (red), and from *ALL OTHER CAUSES* (black)...

IN THE HOSPITALS OF THE ARMY IN THE EAST,

APRIL 1855 TO MARCH 1856.

FOR EACH MONTH FROM APRIL 1854 TO MARCH 1856.

APRIL 1854 TO MARCH 1855.

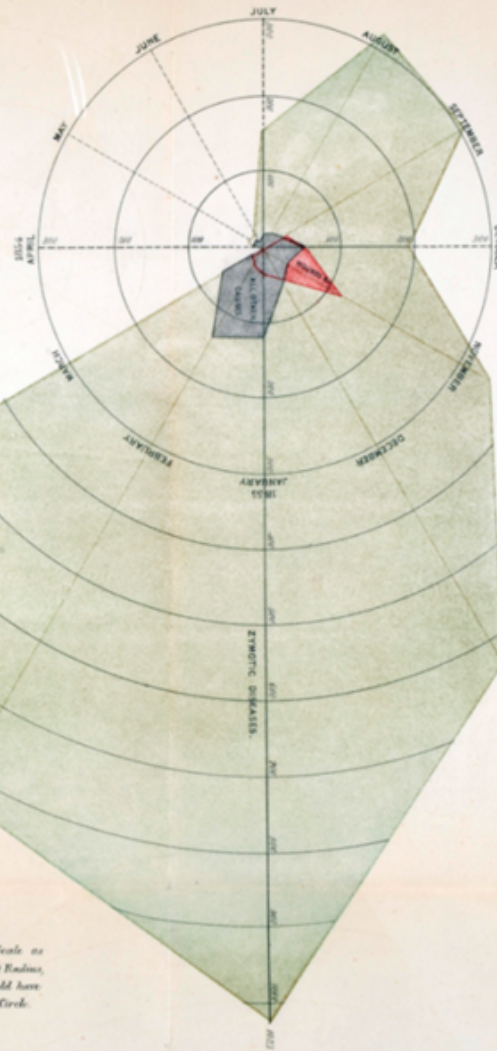
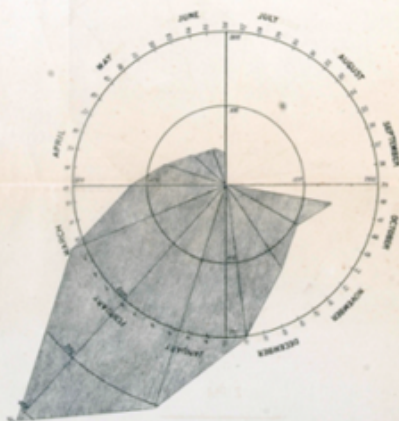


DIAGRAM
showing the Annual Rate of Mortality Per Cent, in the
SICK POPULATION AT SCUTARI,
FROM OCTOBER 17 1854 TO JUNE 30 1855.

Fig. 2.



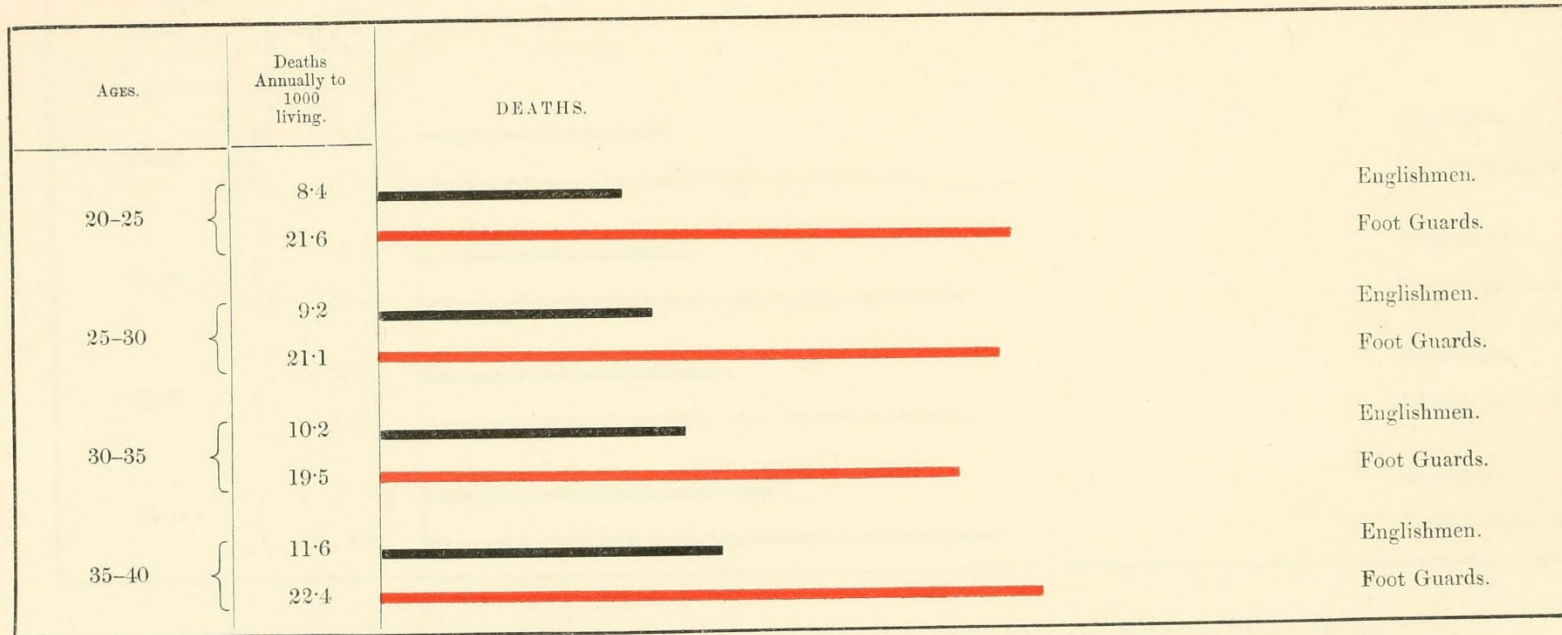
Had Fig. 2 been projected on the same Scale as the other Figures on this Sheet, the longest Radius, showing the Mortality in February, would have projected 40 inches from the Centre of the Circle.

only “ignorant people conceive that the comparison is intended to be between the areas”

(A.)

Lines

Representing the Relative Mortality of the Foot Guards and of the English Male Population at corresponding Ages.



JAMES LEWIS, del., General Register Office, Somerset House.

NOTE.—The Mortality of the English Male Population, at the above ages, is taken from English Life Table (1849-53).

DIAGRAMS

(to illustrate Table G.)

representing the relative Annual Mortality from ALL CAUSES, ZYMOTIC DISEASES, CHEST and TUBERCULAR DISEASES, and OTHER DISEASES, in the ENGLISH MALE POPULATION aged 15-45, and in the INFANTRY OF THE LINE serving at Home.

ENGLISH MALE POPULATION AGED 15-45. (1848-54).

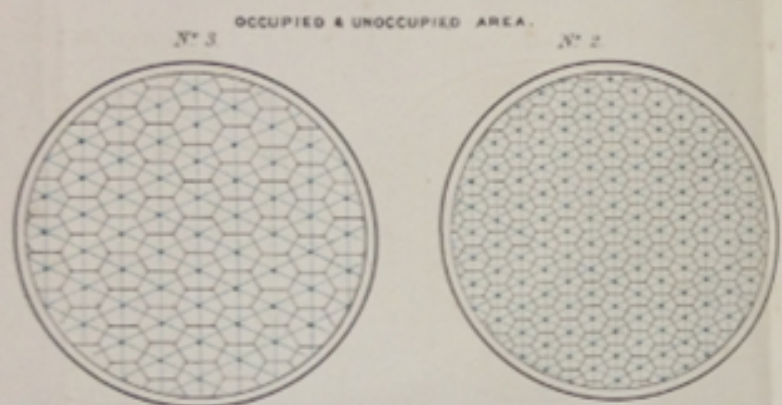
Zymotic Diseases 2·6 to 1000 living	Chest and Tubercular Diseases 4·5 to 1000 living	All other Diseases 3·3 to 1000 living	(This dotted parallelogram represents the additional area which would be occupied by the mortality among the ENGLISH MALE POPULATION, if they were as unhealthy as the INFANTRY OF THE LINE at Home.)
Deaths Annually to 1000 living from All Causes 9·8			

INFANTRY OF THE LINE (SERVING AT HOME) (1837-46).

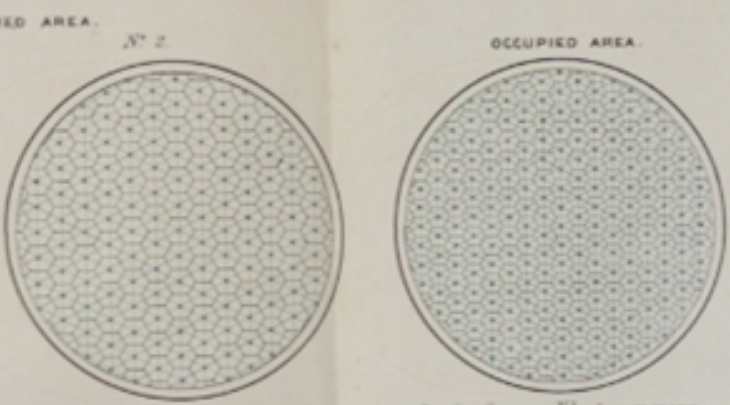
Zymotic Diseases 4·1 to 1000 living.	Chest and Tubercular Diseases 10·4 to 1000 living	All other Diseases 3·7 to 1000 living
Deaths Annually to 1000 living from All Causes 17·9		

DIAGRAMS CONSTRUCTED ON THE DATA FURNISHED BY THE
QUARTER MASTER GENERALS PLANS FOR ENCAMPMENT.

1857.



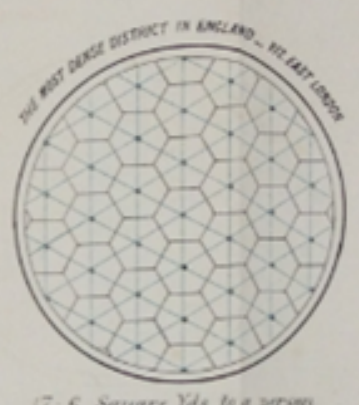
DENSITY 4.9 Square Yds to a Person
PROXIMITY or distance from Person to Person 5.2 Yds
including the space occupied by the body



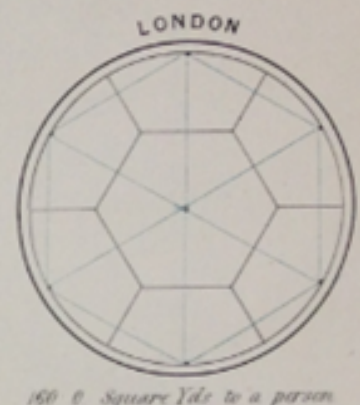
4.7 Square Yds to a person
2.3 Yds from person to person



3.0 Square Yds to a person
1.9 Yds from person to person



17.6 Square Yds to a person
4.5 Yds from person to person

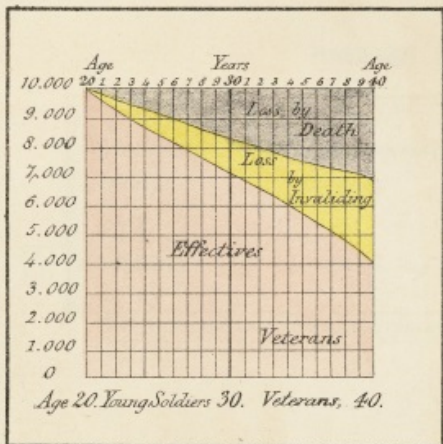


160.0 Square Yds to a person
14.2 Yds from person to person

The Number of Points (•) represents the Density of the Population; the six sided Figures represent the average amount of ground to each person and the blue lines from point to point indicate the Proximity or mean distance from person to person, including the space occupied by the body.

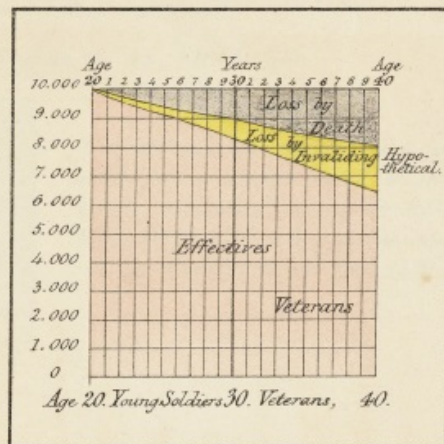
E.

I. DIAGRAM — representing the ARMY at Home in its present State.



I. This Diagram has been constructed to illustrate Table F. a.

II. DIAGRAM — representing the ARMY at Home in an improved State.



Each of the 200 small Parallelograms represents 1000 Men.

II. This Diagram is constructed so as to show what the State of the Army at Home would be if the Mortality were the same as it is in the Civil Population at corresponding Ages, and if the Invaliding bore the same proportion to the Deaths as it does in Diagram I. The Invaliding may be more, but it would probably be less than it is represented to be in Diagram II.

TWO DIAGRAMS showing the loss of strength in the ARMY by INVALIDING and by DEATH.

The force 141,764 (represented by the RED Area,) is assumed to be maintained by 10,000 Annual Recruits, which if there were no loss by Death, or by Invaliding would sustain a force of 200,000 Men, represented by the Square figures.— The loss of strength shown in Diagram I is equal to 58,237 = 29 per Cent.

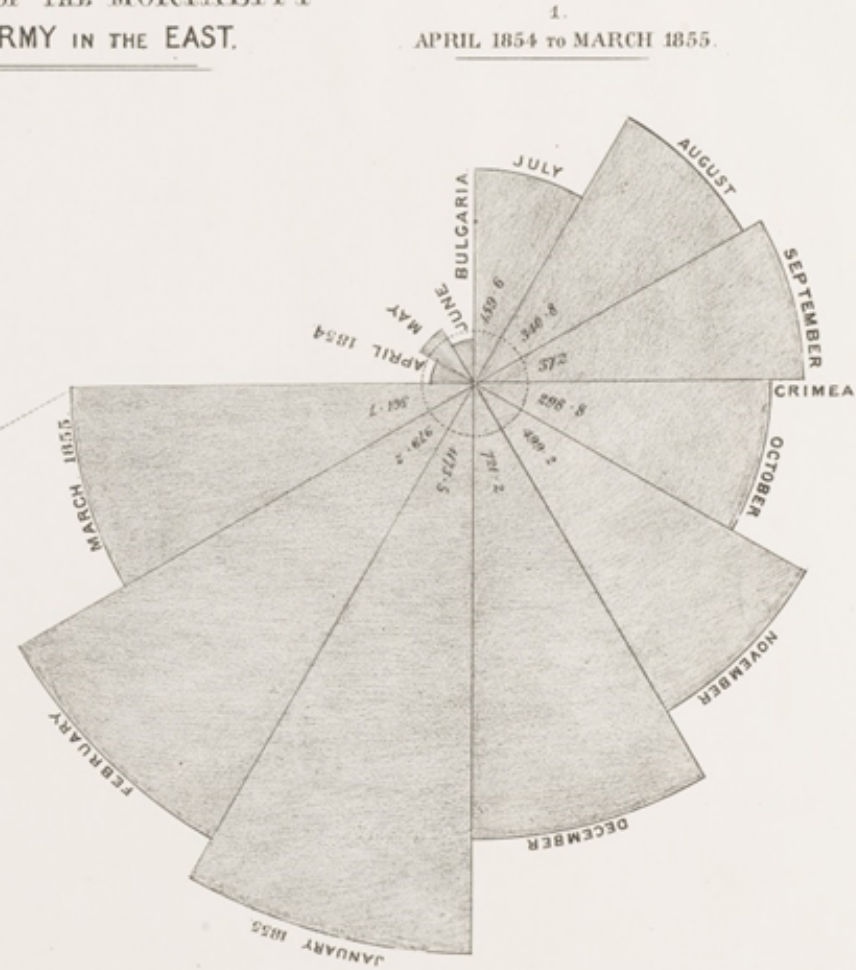
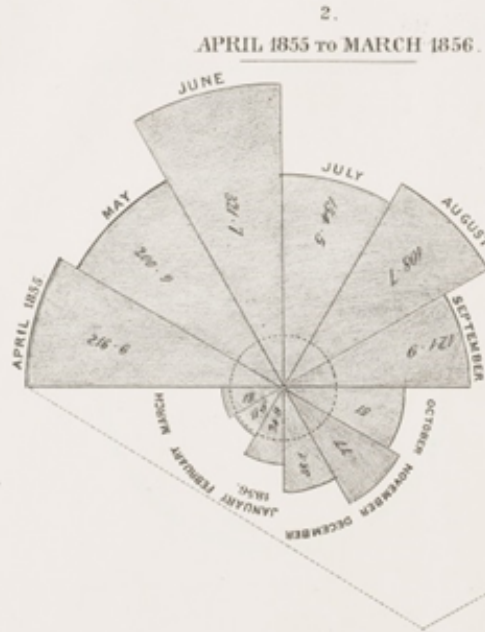
The DARK Area represents the loss of strength by DEATH.

The YELLOW Area represents the loss of strength by INVALIDING, and it will be borne in mind that many of the Invalided die soon after leaving the Army.

NOTE. 10,000 Annual Recruits under system N^o 1, would sustain a force of 141,764; under System N^o 2, 10,000 Annual Recruits would sustain a force of 166,910. (See Table F. d.)

Owing to Service abroad in unhealthy Stations, the numbers are actually reduced much more rapidly than they are at home, as shown in Diagram I.

DIAGRAMS OF THE MORTALITY IN THE ARMY IN THE EAST.

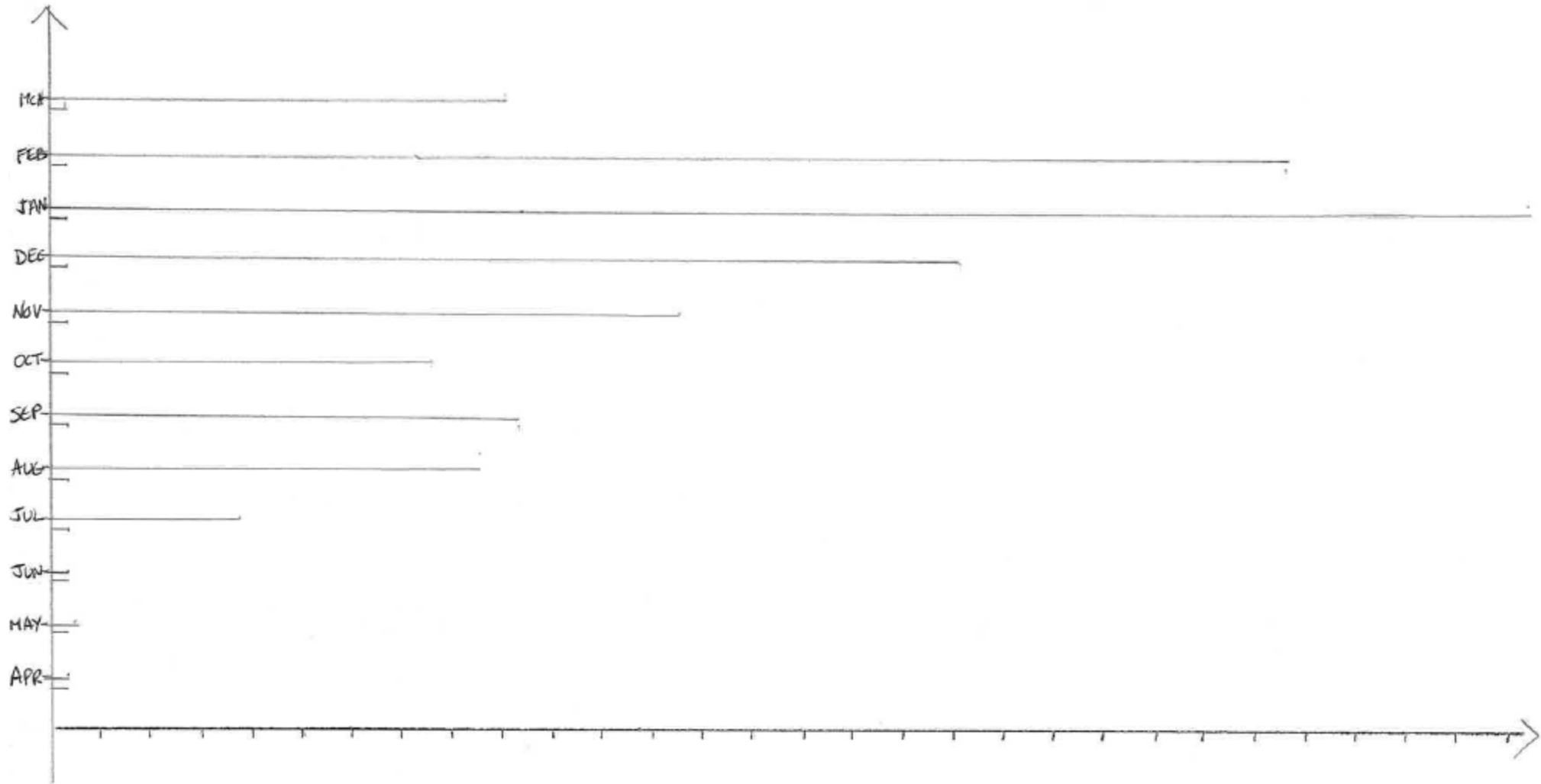


The dotted circle represents what the Mortality would have been, had the Army been as healthy as Manchester - 12.4 per 1000 per Annum. The Area of each Monthly division exhibits the relative Mortality in the Army during the Month.

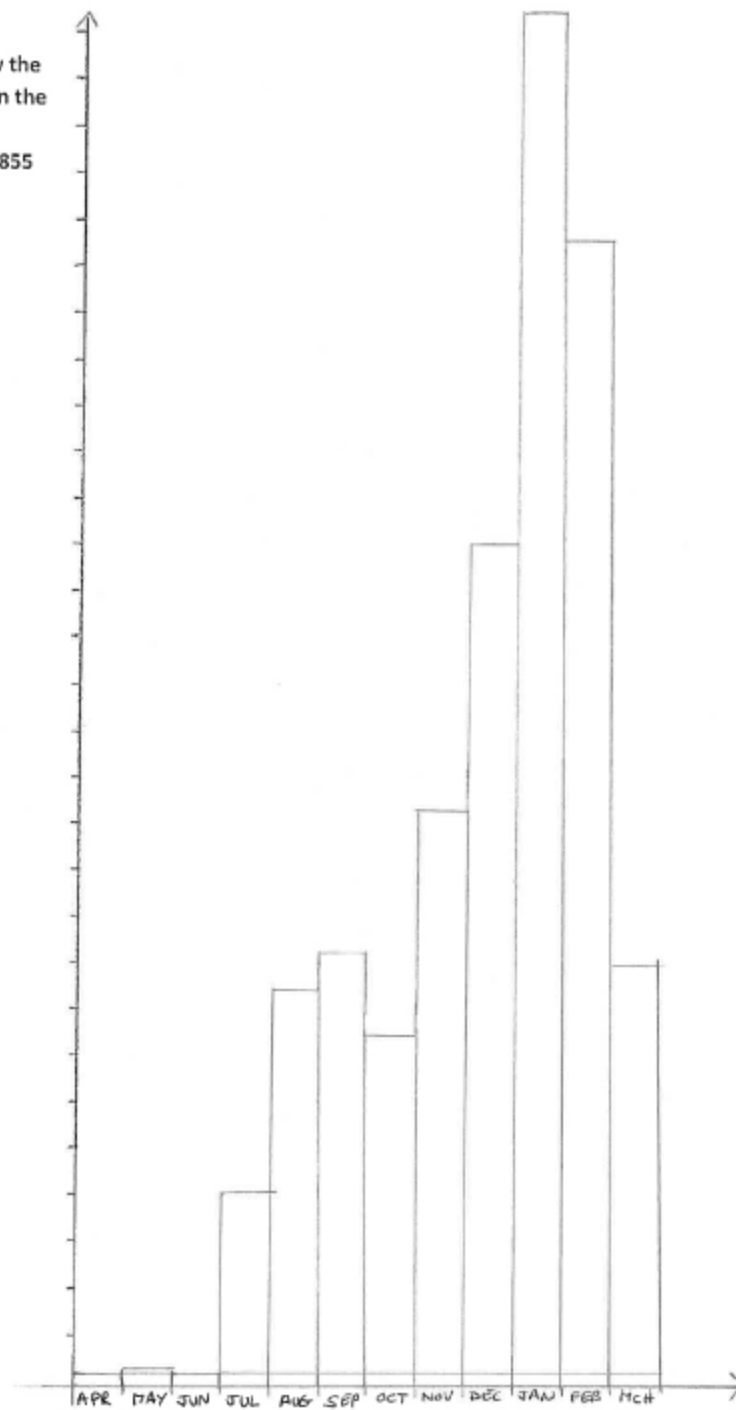
Each wedge admits of Comparison, area for Area, with every other wedge, and with the Manchester Circle, and each wedge shows the Mortality per 1000 per Annum for the Month.

The dark Area outside the Manchester Circle exhibits the excess of Mortality in the Army for the same ages over that of one of the most unhealthy Towns in England. The figures show the Mortality per 1000 per Annum.

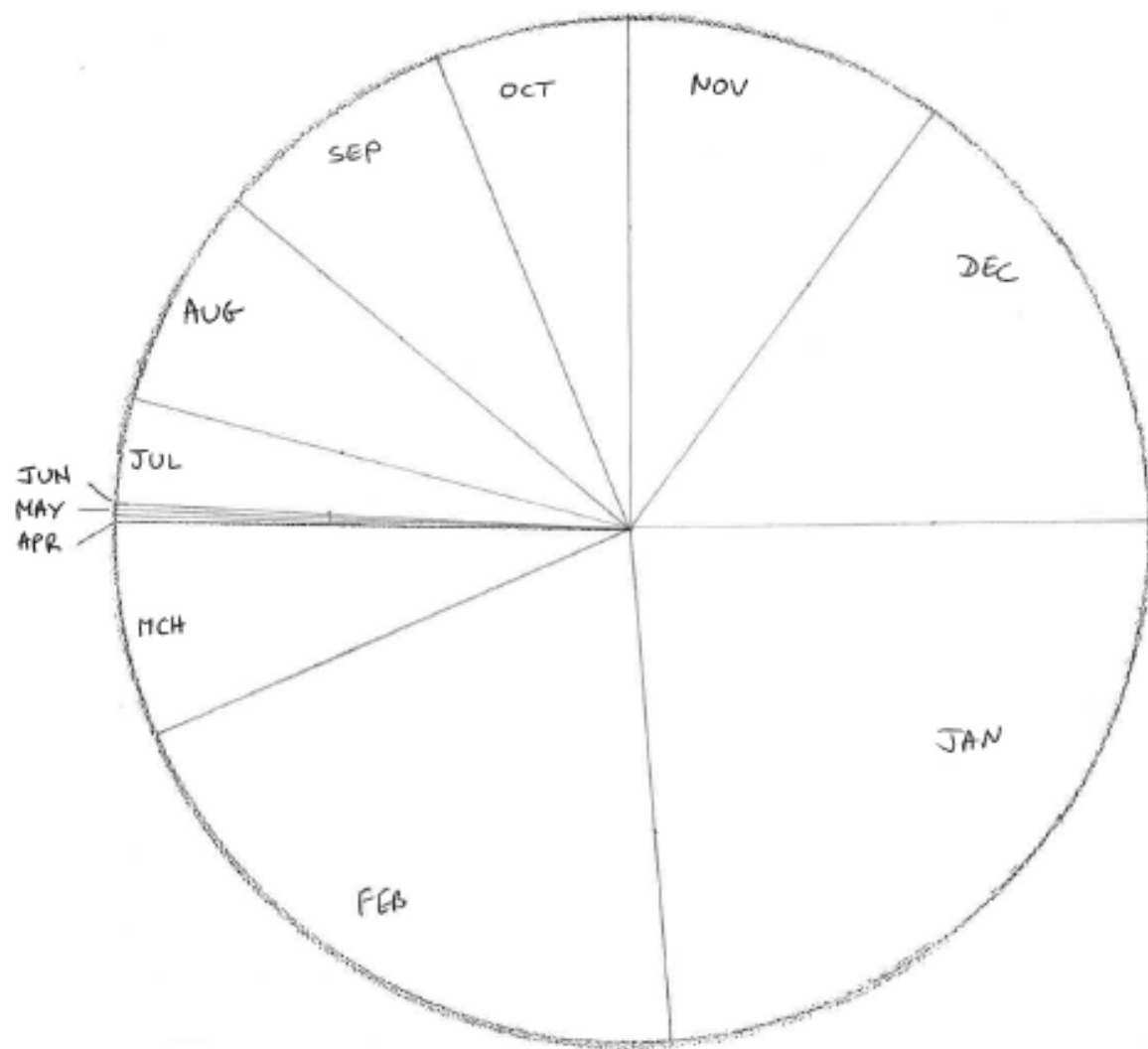
A line graph to show the Mortality in the Army in the East from April 1854-March 1855



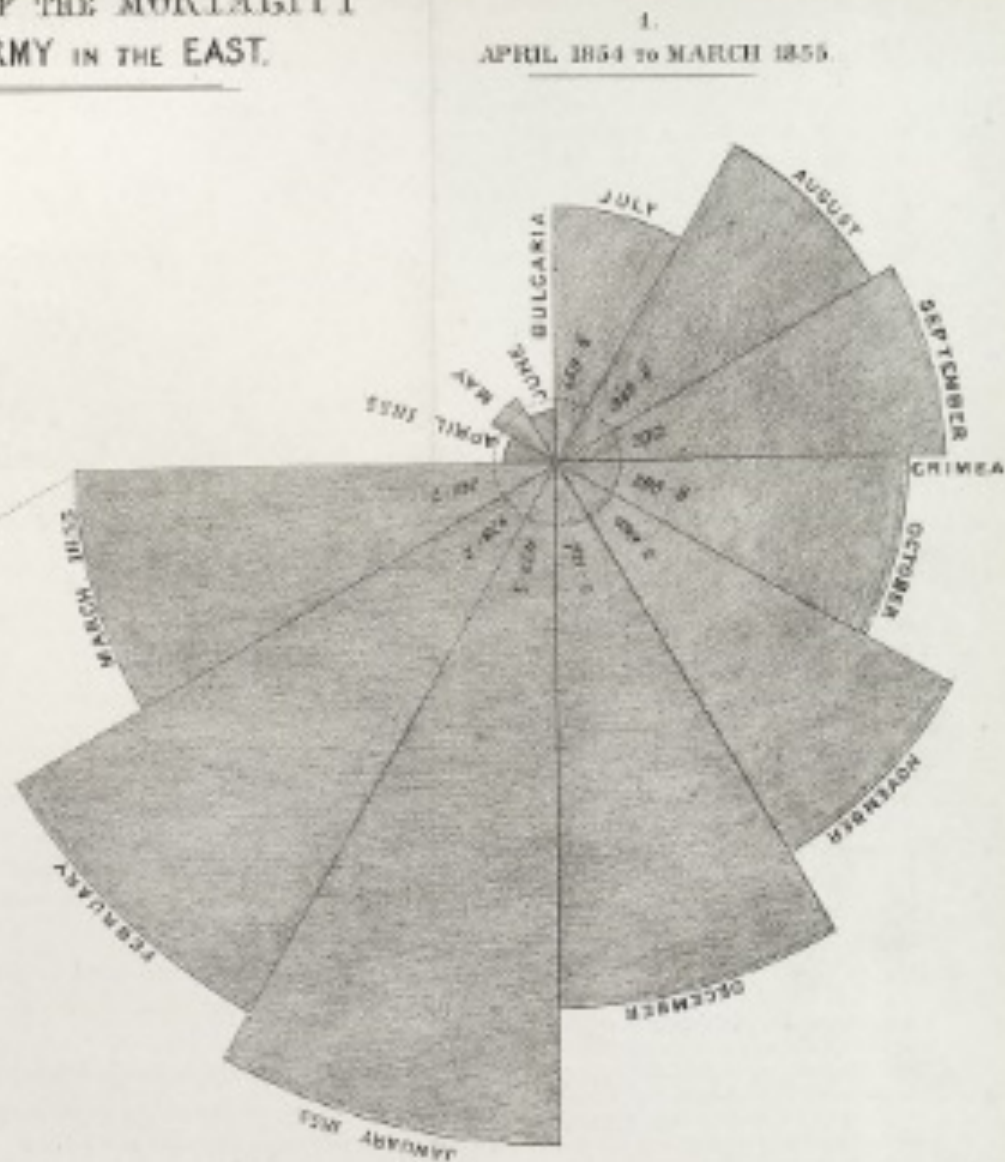
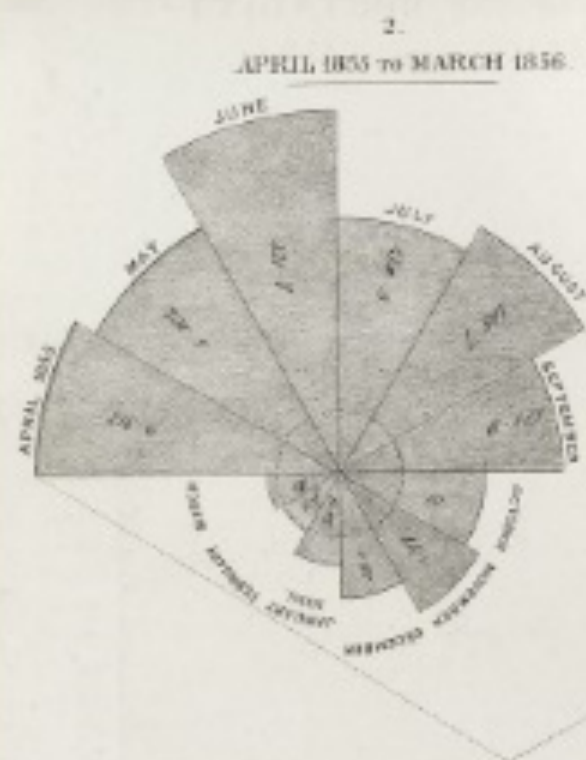
A bar chart to show the Mortality in Army in the East from April 1854-March 1855



A pie chart to show the Mortality in the Army in the East from April 1854-March 1855



DIAGRAMS OF THE MORTALITY IN THE ARMY IN THE EAST.



The dotted circle represents what the Mortality would have been, had the Army been as healthy as Manchester - 12.4 per 1000 per Annum. The Area of each Monthly division exhibits the relative Mortality in the Army during the Month.

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The dark Area outside the Manchester Circle exhibits the excess of Mortality in the Army for the same year over that of one of the most unhealthy Towns in England. The figures show the Mortality per 1000 per Annum.

“Diagrams are of great utility for understanding certain questions of vital statistics by conveying ideas on the subject through the eye which cannot be so readily grasped when contained in figure”