480

10

Rainfall at Manchester.

By Lying in Hospital

Thomas Hanson

Diameter of Gauge, ... in. Height above Ground, ... ft. ..... in. Above Mean Sea Level, ... ft.

Year - -	1810	1811	1812	1813	1814	1815	1816	1817	1818	1819	Means.
January - -	1·39	2·21	3·49	~~1·45~~ 1·50	·70	1·20	3·10	1·20	5·30	4·10	
February - -	2·57	2·73	4·38	~~2·04~~ 2·50	1·20	3·00	·90	4·10	3·20	4·20	
March - - -	3·19	2·98	5·12	~~1·49~~ 1·20	1·00	4·10	2·50	2·10	3·90	2·00	
April - - - -	1·92	1·72	·96	~~·85~~ 1·80	2·70	·90	2·20	·20	3·10	2·10	
May - - - -	1·41	5·07	3·42	~~7·14~~ 5·60	·60	4·00	3·10	2·20	1·10	·90	
June - - - -	1·90	2·21	4·80	~~1·44~~ 1·70	1·90	1·70	2·40	4·00	2·20	3·50	
July - - - -	5·50	2·71	4·59	~~3·44~~ 3·20	2·70	3·10	4·70	6·30	1·90	2·60	
August - - -	5·00	3·47	1·43	~~2·43~~ 1·00	3·70	4·60	1·90	5·30	1·10	2·00	
September -	1·90	2·96	3·40	~~3·04~~ 3·10	·90	3·10	1·90	1·60	2·60	1·50	
October - -	4·65	3·96	5·47	~~5·19~~ 5·30	4·70	3·20	4·50	·50	2·20	4·90	
November -	3·68	4·58	3·50	~~4·02~~ 4·00	2·10	3·40	3·10	2·80	4·90	2·00	
December -	6·03	4·77	·99	1·22 1·20	4·30	5·10	3·60	3·40	·60	5·20	
Totals -	30·17	39·37	41·75	~~34·90~~ 33·20	26·50	37·40	33·90	33·70	32·10	35·00	33·279

1813 to 1819 Figures taken from copper-plate diagram drawn and issued by T. Hanson. 1810-12 figures agree with abovementioned diagram

The figures published in the "Repository of Arts" Vols IV-XII differ somewhat from the above, especially in 1810 & 1813 but these amounts given here appear more likely to be correct. CS. 12. II. 09

Rainfall at Manchester Hospital. 180

Thomas Hanson — Monthly Mag:

Diameter of Gauge, 6 in. Height above Ground, ... ft. ..... in. Above Mean Sea Level, ... ft.

Year - -							1807	1808	1809	Means.
January - -							2·84	2·70	2·67	
February- -							2·60	1·48	1·96	
March - - -							·02	·24	·35	
April- - - -							·57	1·32	·96	
May - - - -							3·83	1·76	3·42	
June- - - -							2·00	2·05	2·45	
July - - - -							2·51	2·44	1·79	
August- - -							2·54	2·18	3·85	
September -							6·26	2·71	4·22	
October - -							2·38	5·32	·61	
November -							4·70	3·10	2·14	
December -							2·62	1·79	4·68	
Totals -							33·67	27·09	29·10	

Figures agree with copper-plate diagram drawn & issued by T. Hanson in possession of the Met. Soc:

Note. "The funnel of the gauge was made of common sheet tin, painted. It was 6 inches in diameter with an upright rim about an inch broad. It was placed at the top of the hospital at a sufficient distance from the chimneys. A tin tube ¾ in. in diameter is conveyed (from the funnel) into an attic where a vessel receives the rain. Care was taken to prevent evaporation as the water was never suffered to remain long without being measured".
from "Repository of Arts" Vol II, 1809, p. 244. Entry Mr C.J.P. Cave '08.