INSTRUCTIONS TO OBSERVERS,

are suspended horizontally by hooks, which by pinching screws can be so fixed as to give the requisite level.

(82) Thermometer Shed and its Supports.—As the screen alone is insufficient to protect the thermometers from sun and rain, it is placed under a thermometer *shed*, which has a double roof, with an air space open to the east and west, with sides of wooden louvre slats, with louvre doors on the north face, and a back of close half-inch boarding towards the south.

Within the shed and to the north side of its back, the screen is attached by four iron holdfasts, with an interval of two inches between the back of the shed and the southern slats of the screen.

To protect the thermometer shed from the southern sun, it is attached at a distance of two inches to a double fence as represented in Photographs, figures 2 and 3 at the end of the book.

Figure 2 gives a view of the shed with its doors closed as seen from the North-West.

Figure 3 gives a view of the interior of the screen as seen from the North.

The screen, shed and fence are painted white.

The dimensions in inches are as follows :

T.		Screen.		Shed.
	angth from east to west	24		37
D	epth from north to south	8		18
H	eight	18	front	29
. .			раск	31
Doub	ole fence :			
Le	ength from east to west			72
In	terval between front and back	••••	•••••	1-
He	eight		• • • • •	84
ln He	terval between front and back	· • • • • •	 	1

(83) Locality of Thermometer Shed.—The shed, if possible, should be in an open space, away from all buildings, walls, fences, &c., which might interfere with the free circulation of the air, or by which stores of heat could be accumulated, from whence the thermometer sheds, &c., might be unduly affected by radiation.

Wall Exposure.—When the premises are so circumstanced as to preclude such a position as that just described, the outer shed must be attached to the north side of some building, in a position that is not exposed to draughts from doors or windows, and where no high building

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