

WEIGHTS AND MEASURES

SENATE.....No. 7.

OFFICE OF WEIGHTS AND MEASURES ; }
Washington, Nov. 1, 1845. }

To His Excellency

The Governor of the State of Massachusetts :

SIR,—I have the honor to inform you that a large balance, being one of those intended for the adjustment of standard weights and capacity measures, to be furnished to your State, under act of Congress, is now ready for delivery, and would respectfully ask your directions as to the time and place of delivery, and as to the person who may be duly authorized by you to receive it. The balance now prepared is of the largest size, being contained, with its appendages, in five boxes about $5\frac{1}{2}$ feet long, and from about $3\frac{1}{2}$ feet to 10 inches wide, and 20 to 10 inches deep. It will require a space of about 6 by 8 feet to set it up properly, and should be placed upon a firm foundation on a ground floor or partition built of brick or other masonry. I append a drawing of a small building, which would be appropriate for the preservation and use of the standards of weights and measures, which have been, or are to be distributed to your State, and would respectfully recommend that such a one might be provided for these elaborate and costly standards. They should at least be preserved in a fire proof building, and placed upon a very firm floor. When you are prepared to receive the balance, which is now ready for delivery to you, a person will be sent to set it up and to explain its construction and use to the agent in whose charge you may place it. It would be desirable that a scientific gentleman,

connected with some institution of learning in your State, should have the charge of the standards of weights and measures, and of the balances, and that they should only be used under his direction for the adjustment or verification of county or other standards.

By an answer addressed to me at this office, you will oblige

Yours, very respectfully,

A. D. BACHE,

Superintendent of Weights and Measures.