Enquiry, No. 1. "Proper thickness and depth of joint:"
Answer. For a bearing of 20 ft. at 10... 3 by 12 inches.

Remarked: By referring to sketches of the design for the
additions at Chapel Hill, I find two cross walls on the first
story floor, dividing the dormitory rooms. These walls
support girders, upon which the floors of the odeion,
together with the floor of same, rest. There is a
post between each window. The second post, from
the front wall, rests upon the cross wall, or upon a
pier in the cellar (in case the cross wall was built
in the cellar). (I have no plan of cellar to tell me
whether a wall was drawn there, or only a pier.)
There was certainly at least a pier.) and this pier
was intended to give support to the girders above,
and even to the roof, by resting posts upon them
in each story. I had originally drawn alcoves
in the dormitory rooms, and the post dividing the
two alcoves was intended to have support in the cellar
and give support to girders above, which would have
made a very stiff floor.