

within the reach of any one who is well grounded in the first principles of statics.

Reinforced concrete is not without its faults, however, for durability, fireproof qualities and low maintenance it surpasses all other building materials of the present day.

Chairman,—

I think, perhaps, before opening up the discussion, we had better have ten minutes recess in order to get acquainted with the new members, and it will also give those gentlemen who wish to pay up their dues, a chance. Also it will afford you an opportunity to have a smoke.

Chairman,—

Has anyone got any question they wish to ask Mr. Nourse, as I know he will be very pleased to answer any questions, and we would like someone to start up the discussion.

Mr. Lewkowiez,—

There are one or two questions which I would like to ask. One is, speaking of the bond value of being equal to the shearing of 50 lbs. to the square inch. Is that figured on the total circumference of the rod for its full length?

Mr. Nourse,—

It is from the centre of the beam to the end of it. That is 50 lbs. per square inch of surface.

Mr. Lewkowiez,—

I notice that columns from the ground to the top are of the same size. Do they make the top one strong enough to support the full load at the bottom.

Mr. Nourse,—

According to the City by-law it is not right. They are also wasting steel.

Mr. Lewkowiez,—

Is there no wind bracing on concrete buildings. I noticed none on those I have seen.

Mr. Nourse,—

They usually project from the column into the beam and that takes care of it.