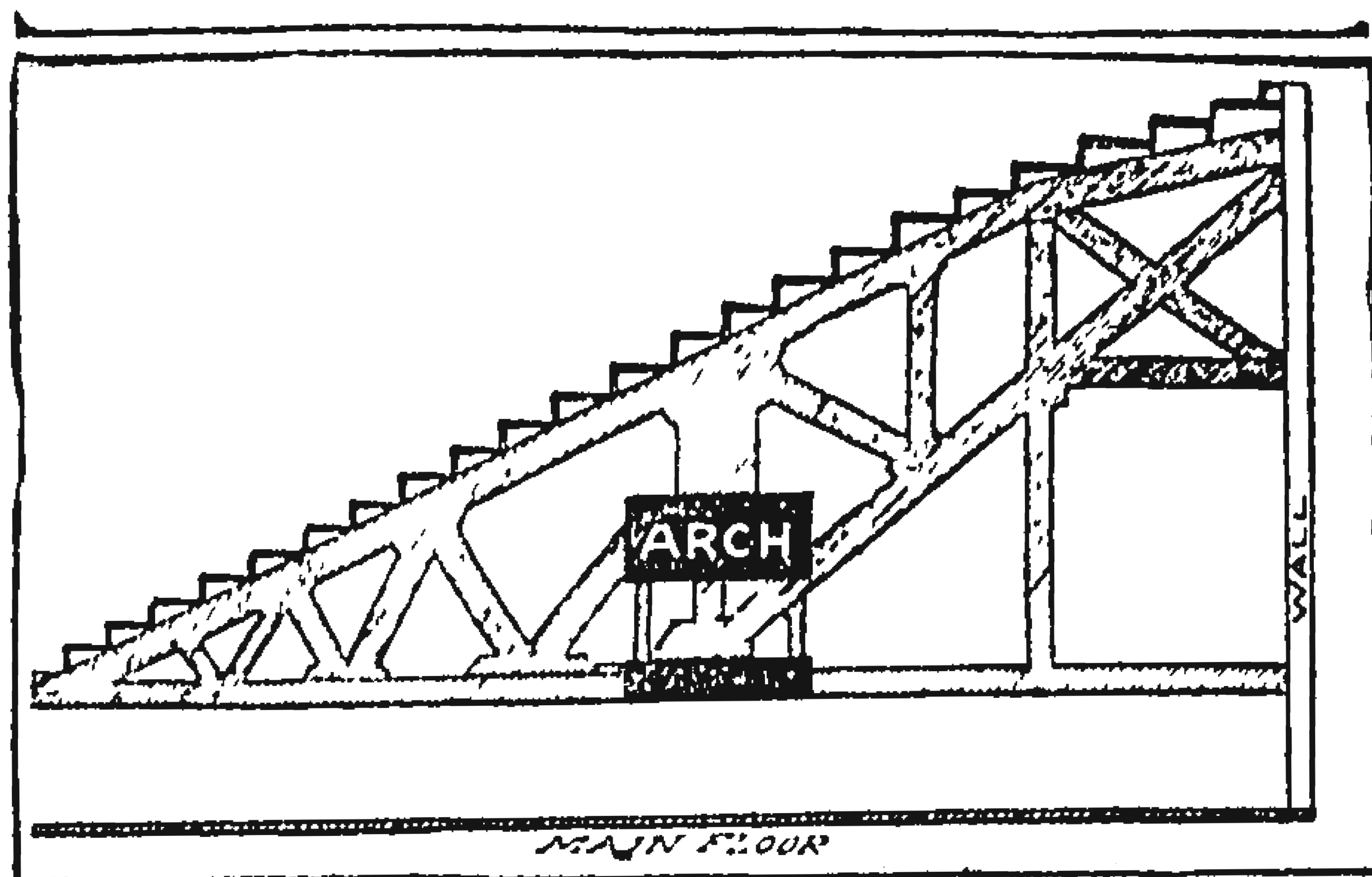


The arch and suspended truss system as seen from behind gallery

Making a concrete arch support a huge theater gallery.

How A. C. Martin, architect and engineer of the \$1,000,000 Edison building at Third and Broadway, solved the problem created by the fact that it would take a year and a half to get the steel trusses ordinarily used for this purpose. He has substituted for them the 100 foot concrete arch shown in the drawings and photographs. These, made during the past week, give a somewhat inadequate idea of the tremendous mass and character of the load and the enormous structural responsibility imposed upon the arch which carries it. The ultimate load is estimated at 3,000,000 pounds.

Breaks New Ground in Architecture.



Sectional view of gallery and supporting arch