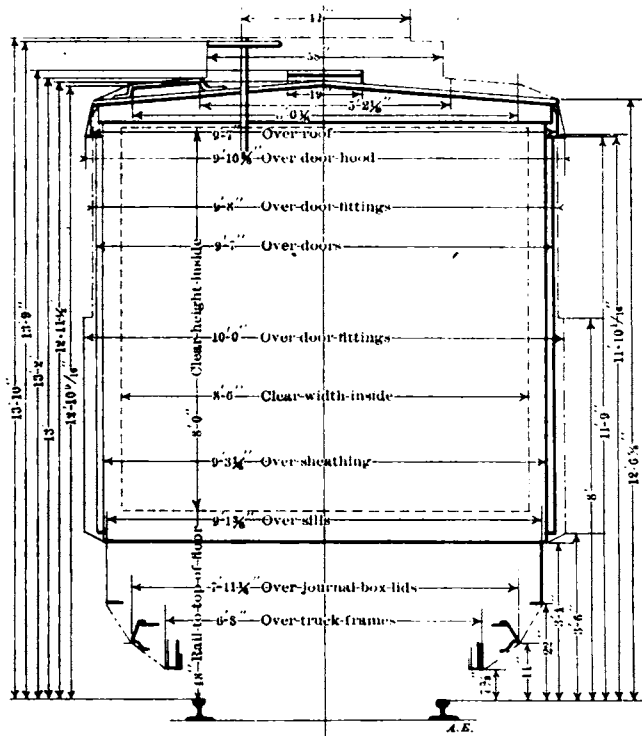
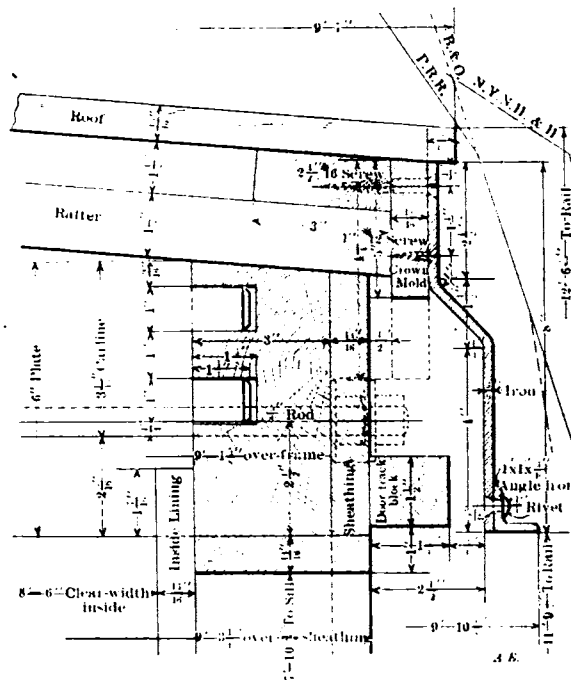


The Master Car Builders' Association has acted with characteristic promptness in beginning its part in the adoption of the standard box car. Immediately upon receipt of the notice of the adoption of the interior dimensions by the American Railway Association, the President of the Master Car Builders' Association appointed a committee to consider the subject, consisting of Messrs. C. A. Schroyer, Chairman; G. W. Rhodes, W. P. Appleyard, J. N. Barr, Joseph Buker. This committee met in Chicago November 30th, and considered the limiting dimensions of important railroad clearances, the pres-



For a box car on low trucks, where the height from top of rail to top of floor, is.....3 ft. 6 ins.
Height, top of rail to upper edge of eaves.....12 ft. 3 $\frac{1}{2}$ in.
Width, at eaves, at above height, maximum.....9 ft. 10 ins.

The principal trouble as to clearances occurs at the eaves, and a diagram furnished us by Mr. John Henney, Superintendent of Motive Power of the New York, New Haven & Hartford, illustrates the construction at this point of cars which



Charles H. Haswell, the first chief engineer of the United States Navy, was appointed in 1836 and was engineer-in-chief from 1844 to 1850. He is now over 90 years of age and was able, last month, to attend the memorable services at the unveiling of the monument erected by the American Society of Mechanical Engineers to the memory of Robert Fulton, in Trinity churchyard, New York. This fact is indeed most impressive of the wonderful progress of engineering in a single generation, when only a few rods away could be found the highest types of merchant and war vessels.