

6. For the testing of steel rails hard steel balls of from .75" to .5" diameter would be found most suitable, using loads of 100,000 lbs. for the .75" diameter to loads of 50,000 lbs. for the .5" diameter indenter, and for the larger loads using a Wicksteed type of machine or one similar in principle of loading.
7. A higher value of hardness factor will be obtained in the use of a smaller sphere.
8. A higher value of hardness factor will be obtained by using the same sphere with a heavier load.
9. The slope of the load-hardness factor curve may be employed to obtain an expression for the ductile properties of the specimen.
10. The indentation test, when supplemented by other tests from time to time, would be a very convenient and practical method of inspecting the quality of an output of steel rails.