

as that the same cannot be satisfactorily inspected and tested, the inspector may, in such case, refuse to grant a certificate until the owner of such boiler shall have put the inspector in a position to make the said inspection and test.

Sec. 8.—The standard maximum pressure allowable as a working pressure for a new boiler forty-two inches in diameter made of the best refined iron, at least one quarter of inch in thickness, said boiler to be constructed as hereinafter provided, shall be one hundred pounds to the square inch, and the working pressure of all boilers, whether of greater or less diameter, shall be determined by the inspector according to this standard; but in determining the working pressure of old boilers, their age, dimensions, construction, condition and quality of material shall be taken into consideration; in no such case, however, shall the working pressure exceed the above mentioned limit.

Sec. 9.—When the working pressure of a boiler has been determined as aforesaid, and before the inspection has been considered complete, the inspector may further prove the strength of such boiler, by subjecting it to a test by hydrostatic pressure, the extent of which shall in no case exceed the working pressure by more than one half or in ratio of one hundred and fifty pounds test pressure to one hundred pounds working pressure. The result of the said hydrostatic test shall in no case form a basis upon which to increase or determine the working pressure nor shall such test of itself be deemed a sufficient guarantee for the safety of any boiler, but shall be applied simply for the purpose of showing its hidden defects. In all cases, however, the proprietor of a boiler may reduce the working pressure from the maximum working pressure allowed, to any less pressure which he may deem sufficient for his purpose in which case the hydrostatic test to be applied in proportion; the temperature of water used for such test shall not exceed ninety degrees Fahrenheit.

Sec. 10.—If the inspector is of opinion that any boiler, by reason of its construction or material or from the behaviour under the test, will not safely allow so high a working pressure as aforesaid, he may, for reasons to be stated specially in his certificate, fix the working pressure of such boiler, at less than two thirds of the test pressure, provided that if the inspector, upon examination of any boiler, should consider it, or any of its valves or other fittings upon which the safety of such boiler depends, to be made, in whole or in part, of bad material, or to be unsafe from any cause whatsoever, he may, in that case, refuse to grant a certificate giving his reasons for such refusal; which reasons shall be duly recorded in a book to be by him kept for that purpose and communicated to the owner of the boiler by a written notice from the inspector.