

HOUSE BILL NO. 315

INTRODUCED BY M. MACDONALD, BROWN, MCCHESENEY, BRANAE, MCCLAFFERTY, MCNIVEN,
MOSS

A BILL FOR AN ACT ENTITLED: "AN ACT ESTABLISHING A SAFE WORKING PRESSURE FACTOR FOR
HISTORICAL BOILERS; REVISING REQUIREMENTS FOR TRACTION ENGINEER LICENSES; AND
AMENDING SECTIONS 50-74-218 AND 50-74-307, MCA."

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF MONTANA:

Section 1. Section 50-74-218, MCA, is amended to read:

"50-74-218. Safe working pressure. (1) If a boiler is constructed with lap horizontal seams on the boiler,
dome, or drum, a factor of 4 1/2 ~~shall~~ must be used in determining the safe working pressure allowed on the
boiler.

(2) If a boiler is constructed with butt strap horizontal seams, a factor of four may be used in determining
the safe working pressure.

(3) If a boiler is a historical boiler, as defined by the department by rule, on stayed sections, a safety
factor of four must be used in determining the safe working pressure.

~~(3)~~(4) If a boiler rests on a side wall on lugs, is hung by I-beams, or is in any way set up so that the
weight of the boiler is pulling against the horizontal seam of rivets, a factor of five must be used in determining
the safe working pressure.

~~(4)~~(5) If the horizontal lap seams of a boiler are exposed to the fire, a factor of five must be used in
determining the safe working pressure.

~~(5)~~(6) On new stay bolts, 7,500 pounds pressure per square inch is allowed. If the stay bolts are
corroded or defective, the inspector must determine the pressure to be allowed on ~~them~~ the stay bolts.

~~(6)~~(7) On braces made of solid material, 8,000 pounds pressure per square inch is allowed. On welded
braces or braces with only one crowfoot, 6,000 pounds pressure per square inch is allowed.

~~(7)~~(8) ~~No cast~~ Cast iron may not be used in the construction or reinforcements of a boiler if the pressure
allowed on the boiler is more than 100 pounds per square inch."

