

Bill No. 65 of 1944.

A BILL TO AMEND THE BOILERS ACT.

NOTE.

This Bill amends *The Boilers Act*, chapter 307, R.S.A., 1942.

Section 1 of the Bill introduces a number of new definitions and a number of changes in definition.

Section 2 of the Bill provides for the appointment of inspectors and assistant inspectors of unfired pressure vessels and machinery and duly sets out the qualifications for such inspectors and assistant inspectors.

W. S. GRAY,
Acting Legislative Counsel.

(This note does not form any part of the Bill but is offered in explanation of its provisions.)

BILL

No. 65 of 1944.

An Act to amend The Boilers Act.

(Assented to _____, 1944.)

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Alberta, enacts as follows:

1. *The Boilers Act*, being chapter 307 of the Revised Statutes of Alberta, 1942, is hereby amended as to section 2,—

- (a) by striking out paragraph (a) thereof;
- (b) by striking out paragraph (b) thereof and by substituting therefor the following:

“(b) ‘Boiler’ means any vessel in which steam is or may be generated under pressure, the capacity of which exceeds two horse power or three cubic feet and includes any engine or engines, all apparatus, appliances, connections and things conneced therewith, but does not include a boiler of a heating plant in a private residence occupied by not more than two families;”;

- (c) by striking out paragraph (f) thereof and by substituting therefor the following:

“(f) ‘Heat Exchanger’ means a condenser, an evaporator, a dryer, a liquid heater, or a brine cooler, when the working pressure exceeds fifteen pounds to the square inch and the heat transfer surface exceeds twenty square feet;”;

- (d) by adding immediately after paragraph (f) the following new paragraphs:

“(ff) ‘Heat transfer surface’ means any part of a pressure vessel through which heat is transmitted for a useful purpose, and for the purpose of computing the area of heat transfer surface where curved surfaces are involved, the surface having the greater radius shall be taken;

“(fff) ‘Heating surface’ means any part of the surface of a boiler that is in contact with water under pressure on one side and the products of combustion on the other side, and for the purpose of computing the area of heating sur-

- face where curved surfaces are involved, the surface having the greater radius shall be taken;”;
- (e) by striking out the word “superficial” where the same occurs in clause (i) of paragraph (g) ;
 - (f) by striking out paragraph (r) and by substituting therefor the following:
 - “(r) ‘Pressure vessel’ means a receiver, a boiler, an oil still, a heat exchanger, or a steam processor;”;
 - (g) by adding immediately after paragraph (r) thereof the following new paragraph:
 - “(rr) ‘Receiver’ means a vessel exceeding six inches in diameter and one and one-half cubic feet in volume that is used for,—
 - “(i) storing air when the pressure exceeds fifty pounds per square inch;
 - “(ii) storing water when the pressure exceeds fifteen pounds per square inch and the temperature exceeds 212°F;
 - “(iii) storing liquid refrigerant when the pressure exceeds fifteen pounds per square inch;
 - “(iv) storing steam when the pressure exceeds fifteen pounds per square inch;
 - “(v) storing any fluid other than water and used in connection with an oil still when the pressure exceeds fifteen pounds per square inch;”;
 - (h) by adding immediately after paragraph (s) thereof the following new paragraph:
 - “(ss) ‘Second hand’ means that both the ownership and location have been or are about to be changed;”;
 - (i) by adding immediately after paragraph (w) thereof the following new paragraph:
 - “(x) ‘Unfired pressure vessel’ means a pressure vessel no part of which is or may be heated by direct contact with the products of combustion.”

2. The said Act is further amended as to section 6,—

- (a) by adding immediately after the word “machinery”, where the same occurs in the third line of subsection (1) thereof, the words “and inspectors and assistant inspectors of unfired pressure vessels and machinery”;
- (b) by adding immediately after subsection (4) thereof the following new subsections:
 - “(5) No person shall be appointed as inspector of unfired pressure vessels unless,—
 - “(a) he is a British subject; and

- “(b) he has received an education equal to the standard required for admission to an engineering course at the University of Alberta; and
- “(c) (i) he has had at least six years’ training as a machinist; or
- “(ii) he has had at least six years’ experience designing, or fabricating, or repairing pressure vessels; or
- “(iii) he has had at least six years’ experience inspecting and testing pressure vessels; or
- “(iv) he has been employed as assistant inspector of unfired pressure vessels for a period of two years; or
- “(v) he has had at least two years’ experience as specified in either (i), (ii) or (iii) and is the holder of a B.Sc. degree in mechanical engineering issued by an approved university; and
- “(d) he is not interested directly or indirectly in the sale of pressure vessels or machinery or accessories thereof; and
- “(e) he has passed a satisfactory examination before a Board of Examiners composed of inspectors or such other persons as the Minister may direct; and
- “(f) he has passed a satisfactory medical examination to show that he is physically fit to carry out the duties of an inspector of unfired pressure vessels.
- “(6) No person shall be appointed as assistant inspector of unfired pressure vessels unless,—
- “(a) he is a British subject; and
- “(b) he has received an education equal to the standard required for admission to an engineering course at the University of Alberta; and
- “(c) (i) he has had at least four years’ training as a machinist; or
- (ii) he has had at least four years experience designing, or fabricating, or repairing pressure vessels; or
- “(iii) he has had at least four years’ experience inspecting and testing pressure vessels; or
- “(iv) he is the holder of a B. Sc. degree in mechanical engineering issued by an approved University; and
- “(d) he is not interested directly or indirectly in the sale of pressure vessels or machinery or accessories thereof; and

- “(e) he has passed a satisfactory examination before a Board of Examiners composed of inspectors or such persons as the Minister may direct; and
- “(f) he has passed a satisfactory medical examination to show that he is physically fit to carry out the duties of an assistant inspector of unfired pressure vessels.”

3. This Act shall come into force on the day upon which it is assented to.

No. 65.

FOURTH SESSION
NINTH LEGISLATURE
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BILL

An Act to amend The Boilers Act.

Received and read the

First time.....

Second time.....

Third time.....

HON. MR. FALLOW.

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