BILL

No. 16 of 1989

An Act respecting Boilers and Other Pressure Vessels

(Assertal in 1920)

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

- This Act may be cited an "The Busices Act, 1929"
- In this Act, unless the context other a no requires—
 (n) Air receiver 'shall mean a veget used for containing are under pressure, over any unless in dameter, and one and one-half caba feet in volume, at a pressure of one lifty nounds to the square meh.
- (b) "Booke" shall mean any bosher in which sharm is generaled or stored under pressure with having a greater capacity than two honocytoses, and unclude the engine or origines, all apparatus, applicances connections and though attached therefore connections and though a that the other or connected of a heating plant in a parente residence occupied by not single that the Cambies.
- (c) "Ge thicste" means a continues, much to an engineer or in eman under the provisions of this Act;
- (4) "Circl engineer" shall mean the engineer having the control and direction of a steam plant in which more than one engineer is employed.
- (c) "Department' shall mean the Bereau of Labous;
 (f) "Horse-pouce" shall mean the unit of especity of a boiler, calculated at the rate of one horse-power for each ten square feet of the superiously he ting.
- surface of such hoster,

 (g) "Inspection certificate" shall mean the certificate
 somed in an inspector in respect of any pressure
 teened:
- (4) "Inspector "shall mean the Chief Inspector and any inspector appeared utide; the provisions of this Act.
- (*) "Lecentotive bodes" shall mean a boder mounted on wheels and operated on a salvan.
- (j) "Manuter" shall mean the Manuster changed with the administration of this Act;

- (k) "Oil still" shall mean an appaistus for refining oil in commercial quantities by the application of lost, or for evaporating, breaking up, or cracking the
- constituents thereof. (1) "Owner" shall melude any person who is the owner or losses of a pressure vessel, and the manager of other officer in charge of the local husiness of such DOLSON.
- (m) "Person" shall include a body corporate, (n) "Portable begler" shall mean a bodes mounted on wheels, on skyls or on a fauck or carriage in such
- a way as to be movable from place to place, (o) "Prescribed" shall mean prescribed by regulations made under the provisions of this Act,
- (p) "Pressure vessel" shall mean an air receiver, or a
- bostes, or am oil still or a refrigerating plant;
- (e) "Refugerating plant" shall mean the complete in-stallation of machinery, by which refuges aut are vaporized, compressed and liquided in their refugarating cycle, a buch has a capacity of at least three tons for every period of twenty-fop: hours, and
- includes the highed receiver connected therewith, (1) "Sems-portable builts" shall mean a boiler mounted on skids or otherwise, so as to enable it to be moved from place to place, and shall include boders used
- for any temporary purpose which are not set in brickwork or other permanent setting, (v) "Stationary botler" shall mean any boiler other than a pertable boiler, a tractor boiler, a semi-portable boiles as locomotive boiles,
- (t) "Steam plant" shall mean the complete installation of boilers, engines, machinery and applicance of all descriptions operated by steam and guide; the same
- management and in the same undertaking: (u) "Tractor bester" shall mean the bester of a traction engine

APPLICATION

- This Act shall apply to all steam plants and piessure vessels in the Province of Albertz, which are within, or sub-ject to, the legislative power of the Province. 4.-(1) The Legitemant Governor in Council may from
- time to time make regulations not inconsistent with this Act. (a) as to the construction, installation, inspection and
 - operation of all pressure vessels, and the registration of their desire and specifications:
 - (b) as to the exagemation of all applicants for certificates under this Act and the asture of the examinalton, the standards of qualification for any certificate and any matter or thing relating or incidental thereto:

- (e) providing for the granting, reversal, suspension of cancellation of any certificate.
- (d) as to the issue and effect of temporary corblicates.
 (c) as to penalties for the breath of any regulation, not
- (/) from the fees payable for any inspection, and for
- (f) fixing the fees payable for any inspection, and for any other service rendered by an inspector under this Act, and for any examination and for the same of any certificate.
 - (g) as to the records to be kept by inspectors;
 (h) as to the traces at which inspections of the various
 - (A) as to the traces at which inspections of the various classes of pressure vessels shall be made, (r) as to the methody of managines of pressure vessels
 - (f) as to the methods of inspection of pressure volume including the application of tests, (f) as to the classification of boilers and other pressure
- vessels, for the purpose of inspection or other wise, (2) as to the methods of preparing bules or other
- pressure vessels for inspection;

 (i) as to the standard of qualification and the examination of welders who may weld pressure vessels,
- (m) generally as to any matter or thing relating to the discharge of any duty or function of any officer appointed under this Act
- (2) All such regulations shall be laid upon the table of the House at the next examing seeson of the Legislative Assembly, and, unless personally disapproved of, shall at the end of such Session be of the same validity as if set out in detail in the Act.
- 5.—(1) No person shall sell any pressure vestel or any accessory connected that evith, unless the same has been constructed in accordance with the regulations governing design and node of construction.
- (2) No person shall restall any steam plant or pressure vessel, unless the same has been constructed in accordance with the regulations governing design and mode of construction.
- (3) Any person contravening any of the provisions of this rection shall be liable upon summary conviction to a penalty not exceeding two bunds of and frity dollars and costs, and not less than iffly dollars and costs.

INSPECTORS, INSPECTION AND INSPECTION CERTIFICATES

6 — (1) The Lessienand Govenno in Council may appoint a chief Inspector of boolers and mediumery and inspectors of bollers and machinery and inspectors of bollers and machinery and may fa, his or their renumerations and may assign to any inspects a pattle-size protection of the Province within which he shall have jurisdiction indict this Act of the Province within which he shall have jurisdiction indict this Act of the Province within which he shall have jurisdiction indict this Act of the Province within which he shall have jurisdiction.

- (2) No person shall be appointed an inspector unless-
- (e) he is a British subject; and
 (f) he has had at least five years' experience as a prac-
- (b) he has had at least five years' experience as a practical machinist or boiler-maker; and
 (a) he is the habler of a first-class engineer's certificate;
- and (c) he is not interested directly or indirectly in the sale
- of pressure versels or machinery or necessories thereof; and (r) he has passed a artisfactory examination before a board of examiners compand of inspecdors or such
- other persons as the Minister may direct.

 7.—(1) No person shall operate or cause or permit to
 be operated any pressure ressel except during the subsist-
- 100 Objections are precision with regard to the same.

 (2) Any person contravening any of the previsions of this section shall be fieldle upon summary conviction to a possibly not exceeding two busineds and lifty dollars and costs, and not less than fifty dollars and costs, and not less than fifty dollars and costs.
- 8.—(1) The owner of every pressure vessel shall prepare the same or cause it to be prepared for inspection in such manner as may be prescribed by the regulations.
- (2) Any person contravening any of the provisions of this section shall be liable upon summary conviction to a possity not exceeding inty dollars and costs, and not less than ten dollars and costs.
 - 9. Every inspector anxions an imagestion shall, if he finds the pressure vaced imagested to be in andie ovarion ovarion and properly set up with the prescribed fittings, issue an imagestion cardinest is respect thereof, and any such certificate shall state the maximum pressure at which the veget many he operation.
- 10.—(1) Every such certificate shall subsist until the same is catacelled either by expiration of the period limited therein, if any, or by an inspector upon a visit of inspection or otherwise, as prescribed by the regulations.
- (2) Any person in possession of a cancelled certificate, shall immediately deliver it up to an inspector upon request made by him.
- (3) Any person contravening subsection (2) shall be liable upon summary conviction to a penalty not exceeding fifty dellars and costs, and not less than ten dellars and costs.
- 11.—(1) An inspector may at any time inspect any pressure vessel, when he deems inspection thereof necessary or in the interests of safety, and upon making any such inspection, the inspector may make any order as to the

future management and operation of the vessel as he may deem necessary and may forbid the further operation of the vessel until his requirements have been complied with.

the vesset usus may requirements move user computing with (2) Any person disaloguing any order minds by an importor under the provisions of animaction (1), or operating in pressure vessed when furtheliden so to do by an image-ton, may pressure vessed when furtheliden so to do by an image-ton, or operating the property of the property of the prosecution for the desired and fifty follows and costs, and not less than fifty dollars and costs.

12.—(1) An inspector may at any time give written instructions for the safe operation of any pressure west of rot the washing out and cleaning of the identification of the continuous safe written instructions being given, the pressure been considered with quantum and instructions have been considered with quantum and instructions have been considered with quantum.

(2) Any person failing to comply with any such instruction or operating a pressure record in contravention of subsection (1), shall upon summary conviction to liable to a penalty not exceeding two hundred and fifty dollars and costs, and not less than fifty dollars and costs.

13. If any person desires a special inspection or test of any pressure visued, or any other special services in relation thereto, he may make application to an inspector theories, and such inspectior may enough with south application, but also the person of the person of the person of the person in source of the person of

1.44—(1) The instruction certificate that the placed to a to be easily read, in a consequency place in the bolicy-roam, or extract-roam, of every stationary habits, or refrigeration, or extraction of the contract of the co

pressure vessel who contravenes this section by failing to pince the isaspection certificate in the required position, or to produce such inspection certificate upon demand, shall be liable troou situatings conviction on a penalty not exceeding fifty dollars and costs, and not less than ten dollars and costs.

15.—(1) Any inspector may at any time and from time to time enter at any reasonable now, upon any property for the purpose of inspecting any pressure vested situated thereno, or far the purpose of accertaining winther the provicions of this Act are being compiled with, and also shall have the right at any reasonable hear to examine pressure reasons in curron of conderstation or undergoing remains. (2) Any person refusing admittance to an impector or in any way obstructing his access to the said property, or in any way obstructing his access to the said property, or in any way preventing him from exercising any of the rights given to him by this section, shall upon summary conviction to liable to a penalty not exceeding two handred and fifty dollars and costs, and not less than fifty foliars and costs.

16.—{1} Every owner or other person in charge of a billing shall, if there exists any enablity of steam being turned into such boiler during the whole time such boiler is being examined or lested, keep a man or which, whose solicitity is to prevent the turning of steam into such

(2) Any person contravening this section shall upon summary conviction be liable to a penalty not exceeding fifty dollars and costs, and not less than ten dollars and costs.

17. The inspector shall set and seal the safety valve and test every pressure gauge of every pressure vessel and shall see that the whole apparatus is safety installed.

18.—(1) The owner and person in charge of any pressure vessel shall at all times keep the pressure sange or gauges or water gauge gates on each pressure vessel in such as the pressure vessel in such and provisie that the sante can be easily and conveniently read.

read.
(2) Any person contravening any of the provisions of this section shall upon summary conviction be liable to a penalty not exocding fifty dollars and costs, and not less than ten dollars and costs.

JO.—(1) Every person being an engineer in charge of any boiler shall like or cause to be likewn off the antery valve of such being at least once in each working day for the purpose of ascertaining that seek valve is properly operating; and if he finds it is not so operating he shall report the fact to an inspector forthwith.

(2) Any person contravening any of the provisions of this section shall upon assumancy conviction be liable to a penalty not exceeding fifty dollars and costs, and not less than ten dollars and costs.

20.—(1) No person shall alter or interfere with or render inoperative or do away with any valve, gauge or appliance upon any pressure vessel which is by this Act or the regulations required to be a part of the equipment of any pressure.

(2) Any person contravening any of the provisions of this section shall upon summary conviction be liable to a penalty not exceeding two hundred and fifty dollars and costs, and not less than ten dollars and costs. 21.—(1) Every person being an engineer in charge of any pressure vessel shall assist the inspector in his examination thereof in any way the Inspector may reasonably require; and shall make full disclosure to the inspector any defects which he knows or has reason to believe to exist in any pressure vessel under inspection.

(2) Any person failing to comply with any of the provisions of this section shall upon summary conviction be liable to a pointly not exceeding fifty dollars and costs, and not less than ten dollars and costs.

CERTIFICATION OF ENGINEERS AND FIREMEN.

22. Tip Minister shall cause to be issued to persons with harm, in accommon with the regulations, shown themselves competent, cartificates of competency, and had well-footing the country of the competency and had well-footing the country of the country of the country of the country of "Christians", "Second Class Regimeers, "General Class Regimeers," ("Gib Age, Ordfooting", "Third Class Regimeers," (100 Age, Ordfooting", "Third Class Regimeers," (100 Age, Ordfooting", "Third Class Regimeers," (100 Age, Ordfooting", "Third Class Regimeers," ("Firemen's Certificates," and "Special Certi

23.—(1) No person being the owner of or in charge of any bolte energying a working pressure of twenty pounds or more shall operate the same or permit or came the same to be operated unlose the same is operated under the hume-dists tentiment of permit of under the hume-dists outliness and permit of the description of one or more engineers who are the before or full destillates under this Act, and unless such origineers and the description of the certificates they hold is as next hereigneer, are supported to the continuous supervision of the certificates they hold is as next hereigneer.

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(a) In the case of a steam plant consisting aither
whelly or in part of a boiler or boilers of a
capacity or an aggregate capacity exceeding
500 hap, the engineer larvider general supervision
shall hold: a Print Class Regiment's Cortificate and
any satisfant engineers who are planed in charge
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(b) In the case of a steam plant consisting either whelly or in part of a boiler or beilers of a capacity or an aggregate capacity exceeding 290 hg. and not exceeding 560 kg. the engineer having general supervision shall hold a Scoond Class Engineer's Certificate or better; and any agaistant engineers who are placed in charge shall hold Third Class Engineer's (200 kg.) Certificates or better;

(c) In the case of a steam plant consisting either whelly or in part of a builer or beilers of a cancelty or an aggregate capacity exceeding 100 h.p. and not exceeding 200 h.p., the engineer having agencyl supervision shall hold a Third Class Engineer's (200 h.p.) Certificate or butter, and any assistant engineers placed in charge shall hold Third class Engineers' (180 h.p.) Certificates or better: In the case of a steam plant' consisting either

(d) In the case of a steam plant consisting either wholly or in part of a beiler or boilers of a subjectly or an aggregate expactly not extending 100 ha, and exceeding 60 ha, the coginoor having general supervision shall hold a Third Class Engineer's 1600 ha, 10 criticate or beiter, and any assistant engineers placed in charge shall hold Pravisional Engineers' (60 ha,) Certificates or better;

(e) In the case of a steam plant consisting either wholly or in part of a boiler or boilers of a capacity or an aggregate capacity not exceeding 60 h, every vegineer in charge shall hold a Provisional Engineer's (60 kp.) Certificate or better:

Engineer's (80 h.p.) Certificate or tetter: (f) In the case of a steam shovel, a locomotive or tractor boiler, the engineer actually operating the same shall hold a special certificate authorizing him to secrate a steam shoved or a locomotive or a tractor

tollier, as the case may be;

(5) In the case of a boiler not exceeding fifty horsepower used for heating purposes which operates at
a pressure of iventy pounds and not more than one
hundred pounds to the aquate inch, the operator in
charge shall hold a Fireman's Cortificate or any
class of Engineers' Certificate show partitional

(a) Any person contravening any of the provisions of this section shall upon summary conviction be liable to a penalty not exceeding two bundred and fifty dollars and costs, and not less than fifty dollars and costs.

24.—(1) Notwithstanding the provisions of the nextious section, an Engineer's Certificate issued under Trip Sterm Boilers Grifforner shall estill the bolder thereof to operate any boiler which be would have been estilled to operate under the provisions of that Ordinance or the regulations made thereusdor, multiposite ordinance in withdrawn noise the provisions of this Act or the regulations made thereusdor.

thereunder.

(2) An Engineer's Certificate issued under the provisions of any Act subsequently to the 9th day of May, 1905, shall mittle the holder of the same to operate any belier which he would have been entitled to esperate under the Act en-Bling him to the certificate tuntil such certificate is with drawn under the provisions of this Act or the regulations made thereunder.

25.—(1) In the case of a steam plant situated in separate premises which are at such a distance that one engineer caused satisfactority take charge of the steam boilers or steam oughness of the plant, then whether such premises are buildings or enclosed or cases states. An owner shall cando

an engineer to take separate charge, under the general supervision of the Chief Engineer, of the steam boilers or steam engines in any authoritary premises.

- (2) Every such engineer in charge shall hold the certificate horeinbefore prescribed with respect to a steam plant of the anne capacity as the aggregate capacity of the holiers in the subsidiary premises or the boilers feeding the engines therein, as the case may be.
- (3) No owner or person in charge shall permit any such boiler or engine to be operated or shall operate the same except when the same is in the separate charge of a dely certified engineer.
- (4) Any person contravening in any of the provisions of the preceding subsection shall apon summary conviction be liable to a penalty not exceeding fifty dollars and costs, and not less than ten dollars and costs.
- (5) In case any question arises as to whether any separate premises are at such a distance that one engineer cannot astistated rity and charge of the steam believe or stanmagnes situated therein, the Chief Inspector shall decide such question subject to the appeal hereinafter provided for.
- 26.—(1) Upon the request of an owner who is unable to secure the services of the holder of a required certificate the Minister may, without examination, great to any pressor recommended by the owner any of the before-mentioned certificates.
- (3) Any such certificate shall only be valid as long as the services of a holder of the required certificate are not available, and shall in one event cense to be valid upon the expiry of three months or any less period which may be stated therein.
- 27.—(1) Nobling in this Act shall present an owner from emphyling a parton hobding a firmman's certificate to act us a night watchman of a buffer or steam plant during the time when the time are banked and to steam is being drawn from such buffers, except for the purpose of supplying the buffers with the necessary water.
- (2) Any person so employed may within one hour of the commencement of any working shift, spread the fires, and for the purpose only of raising the steam pressure to the normal operating pressure.
 - 28.—(1) The certificate of any engineer in charge of an enjance-room to believe non-shall be parted in a conspicuous place in such cosm and shall be produced at any time by specific production of any inspective produce of a necessary specific produced of a necessary of the produce of the produce of a necessary of the produce of the

(2) Any engineer failing to post and keep posted his certificate or to produce the same as required by this section shall upon summary conviction be liable to a penalty not exceeding fifty dollars and costa, and not less than len dollars and costa.

WEIDERS

29.—(1) No person shall weld any pressure vessel unless he is the holder of a prescribed certificate, authorizing him to so do.

(2) Any person welding any pressure vessel, or offering to weld the same, whilst be is not the holder of such certificate, shall be lishle upon summany conviction to a penalty not exceeding one hundred dollars and costs, and not less than 6ft welliars and reads.

SECOND-HAND PRESSURE VESSELS.

30. No person shall sell, exchange or etherwise dispose of any second-hard pressure vessils entitle has never to the Chief Impected by registered shall a solite in writing extended to the chief Impected by registered shall a solite in writing extended to the intended to the sixtended to the six

31. No person shall use any second-hand pressure vessel acquired by him until he is satisfied that the permission required by the previous section has been granted.

22. Any person who brings into the Province any preserves on which has been previously used ordate the Province shall, before installing the same, notify the Department in writing of the description, design, periodictions and make thereof, and shall not install the same unless and until the annual has been approved by the Minister as to its description, annual has been approved by the Minister as to its description, operated unions and until the same union of the province of the same and the

33. Any person contravening any of the provisions of the three preceding sections shall upon summary conviction be liable to a penalty not exceeding two bundred and fifty dollars and costs, and soot less than fifty dollars and costs.

INQUIRIES.

- 34. In any case where in the opinion of the Chief Insector it is expedient to hold an inquiry as to the nature of operating any pressure recent, or as to the circumstances of any explosion, or as to any matter connected with the inspection of a pressure vessel, he may proceed to hold such impiting or may antisprise any importer so to do.
- 35. The Chief impactor or the impactor, as the case may be, shall give to the error or persons in charge of the presence vested in vaspeed of which the incurity is to be made, because it is to made, and the presence vested in vaspeed of which the incurity as the personal person of the consensements of the lowing; and affect the integrity has been opened, the same may be adjacented for such persons do not been opened, the same may be adjacented for such persons and the lowing; and affect has been opened, the same may be adjacented for some persons of the same of the lowing of the lower persons of the lower perso
- 36. The owner or person in charge of the said pressure vessel shall be entitled to appear and be present throughout at any such insuity.
- 37. The inspector holding the inquiry may by notice in writing signed by him, require the attendance of any person named therein as a writiness at any such inquiry at the time and place mentioned in such notice.
- 38. The inspector holding the inquiry may examine any person called at the inquiry, upon oath, and shall take down in writing all questions asked of any witness and the anarters made by such witness.
 - 39. No person called as a witness at any inquiry shall be excussed from answering any question on the ground that the asswer may tend to increminate him, or may tend to catablish his liability in any proceedings instituted or taken against him.
 - Provided that no evidence given on any inquiry shall be used as received against the person giving the same in any proceedings instituted against him other than a presention for perjury in relation to such evidence.

EXPLOSIONS.

40.—(1) Every owner and person in charge of any pressure reasel shall in the event of the occurrence of an explosion of any pressure vessel, within twenty-four hours and by registered mail to the Charl Inspector a full report.

in writing, setting out the exact place of the explosion, a list of the persons killed or injured, and the cause and particulars of the explosion.

(2) Any person contravening the provisions of this section shall upon summary conviction be liable to a penalty not exceeding two hundred and lifty dellars and costs, and not less than 'fifty dollars and costs.

41.—(1) Upon the occurrence of any explosion, nothing shall be reasoned or interfered with, in, on or about the place where the explosion occurred until an impactor has made an impaction thereof, except in so far as may be seconsary for the purpose of saving life or limb, or for the removal of the dend.

(2) Any person contravening any of the provisions of this section shall upon summary conviction be liable to a penalty not according two hundred and fifty dollars and costs, and not jess than fifty dollars and costs.

42. The Chief Inspector shall report fully to the Minister the Inche surrounding any explicition which appears to him to log of a profess patters, and thereupon the Rinister may appoint some person or persons to investigate into the facts of the explosion and the person or persons to appointed shall have all the powers which by The Public Impuiries Act might be conferred upon him or the real.

Consent.

43. In any action or other preceding by any person to recover dimages against any sperson for injerties ratefund by reason of the explosion of any pressure vessel, and it appears that at the time of soch explosion such pressure vessel was being operated without there being it existence a valid and audistifier imperience or efficient authorities fits a valid and audistifier imperience or disprayed appears was been according to the explosion of the property of the caused by the audigence or improper and according to defendant stall be upon the defendant.

44.—(1) An appeal shall lie to the Minister from any order of an inspector which affects the operation of a pressure vessel, from any order cancelling or suspensing a certificate, or inspection certificate, and from any efection of an inspection under the provisions of section 25 of this Act.

(2) Any such appeal shall be made within thirty days from the making of the order and the Minister may disallow or modify any such order.

(3) The decision of the Minister upon the appeal shall be final.

45. The Bollers Act, being chapter 191 of the Revixed Statutes of Alberta, 1922, is hereby retealed.

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Title: 1929 (6th, 3rd) Bill 16, An Act respecting Boilers and Other

Pressure Vessels