

And said Board of Control and said Warden of the said Prison are hereby authorized, directed and instructed to establish in and throughout all parts of this State where there is use and demand for such manufactured products as are referred to herein, and binding twines, *and ropes and ply goods of all kinds*, local selling agencies therefor, and to contract with such agencies to furnish thereto for the local sale thereof, *the farm machinery the manufacture of which is authorized by this act* and the extra parts thereof, f. o. b. the said factory, at the actual cost of the production thereof, plus five per cent of the actual cost thereof; including a charge of not to exceed twenty-seven cents per hour for labor of each prisoner employed; and the said local agencies so contracted with are hereby authorized in the resale thereof to their actual customers therefor, to charge advance prices equaling twenty per cent of the prices charged them for said machines (plus actual freight charges), but not a greater profit thereon, and the contracts entered into with said agencies shall be so worded as to obligate them to be diligent in the prosecution of the sales of the said machines to the customers therefor."

Approved April 24, 1929.

CHAPTER 349—H. F. No. 1020

An act to amend Section 27, General Laws 1925, Chapter 407, as amended by General Laws 1927, Chapter 310, relating to the construction, equipment, and operation of locomotives and other steam engines and boilers in forest areas and to fire prevention devices thereon and to the duties and powers of the Commissioner of Forestry and Fire Prevention and other officers in connection therewith.

Be it enacted by the Legislature of the State of Minnesota:

Section 1. Safety devices on locomotives.—That paragraph (c) of sub-section (1) of Section 27, General Laws 1925, Chapter 407, be and the same hereby is amended so as to read as follows:

"(c) Openings in ash pans for draught purposes shall be protected by screens bolted firmly and securely over such openings or by the use of deflector plates in place of screens, provided that any deflector plate used for such purpose shall extend above or below (as the case may be) the opening to be protected a distance at least

equal to the width of such opening, and provided further, that any such deflector plate so used shall be closed in at each end thereof, or such openings may be protected by such other methods as may be approved in writing by the Forester. All screens so used and the bolting in place thereof shall conform to the specifications for spark arrestors, as contained in this act."

Sec. 2. Safety devices on locomotives.—That paragraph (d) of sub-section (1) of Section 27, General Laws 1925, Chapter 407, be and the same hereby is amended so as to read as follows:

"(d) On locomotive engines where there is an opening between ash pan and foundation ring, protection shall be furnished by flaring the ash pan and bringing the flare up level with the bottom of the foundation ring, and the opening between the bottom of the foundation ring and flare of pan, measured horizontally, shall not be greater than eight (8) inches at any point, provided, however, that for any distance the flare of pan extends above the bottom of foundation ring, the flare may be extended out horizontally an equal distance in excess of eight (8) inches. Or such opening between ash pan and foundation ring may be protected by deflector plates, provided that any deflector plates used for such purposes shall extend above or below (as the case may be) the opening to be protected a distance at least equal to the width of such opening, and provided further, that any such deflector plate so used shall be closed in at each end thereof. Or such opening between ash pan and foundation ring may be protected by guards approved in writing by the Forester."

Sec. 3. Safety devices on locomotives.—That paragraph (f) of sub-section (1) of Section 27, General Laws 1925, Chapter 407, be and the same hereby is amended so as to read as follows:

"(f) Plates and angle irons used in ash pans including all fire protective devices attached thereto, shall not be less than one-fourth of an inch in thickness, and the ash pans, including all fire protective devices attached thereto, shall be so constructed, and maintained in such condition, that there shall be no opening in excess of five-sixteenths (5/16) of an inch in width.

Material used in the construction or repair of ash pans shall be of iron or steel securely bolted or riveted or welded in place. No cement, putty, asbestos, or other material or substance other than iron and/or steel shall be applied to, laid on, attached to or used in any way in connection with or made a part of ash pans except upon written approval of the Forester.

From and after May 1, 1933, the spacing of bolts, rivets, studs and other fastening devices in sheet iron and steel plates, whether

fastened to other plates, castings, forgings or other parts, and when used in the construction or repair of ash pans and all fire protective appliances attached thereto, shall not be greater than three and three-fourths (3-3/4) inches center to center.

The spacing of bolts, rivets, studs and other fastening devices in castings, used in the construction of ash pans and all fire protective appliances attached thereto, shall be such as to hold the casting securely in place."

Sec. 4. **Safety devices on locomotives.**—That paragraph (k) of sub-section (1) of Section 27, General Laws 1925, Chapter 407, as amended General Laws 1927, Chapter 310, be and the same hereby is amended so as to read as follows:

"(k) Plates used in *the construction or repair of spark arrestors wherever attached*, shall not be less than *three-sixteenths (3/16)* of an inch in thickness.

From and after *May 1, 1931*, angle irons used in spark arrestors shall be of sections in size not less than one-fourth of an inch by two inches by two inches (*1/4"x2"x2"*), on all locomotive engines unless otherwise authorized in writing by the Forester. The spacing of rivets, bolts, studs and *other fastening devices* used in spark arrestors shall not be greater than set forth in the following specifications:

Fastening screens—*3-1/2 inches center to center.*

Fastening angle irons to smoke arch—*8 inches center to center.*

Fastening plates—*5 inches center to center.*

Fastening angle irons to flue sheet—*8 inches center to center.*

Material used in the construction or repair of spark arrestors shall be of iron or steel securely bolted or riveted or welded in place. No cement, putty, asbestos, or other material or substance other than iron and/or steel shall be applied to, laid on, attached to or used in any way in connection with or made a part of spark arrestors except upon written approval of the Forester. No opening anywhere in the spark arrestor device, other than the openings herein specified for wire screen and perforated plate, shall be larger than *one-fourth (1/4)* of an inch in width."

Approved April 24, 1929.