

building or inflammable structure at or connected with such opening.

SEC. 84. At least once in every six months, and oftener if required by the district mine inspector, all boilers used for generating steam in or about any such mine shall be inspected and tested, under regulations of the Bureau; and a report thereof, upon blanks provided by such Bureau, shall be made to the district mine inspector and the Bureau by the operator of such mine. Such report shall state the experience of the person making the tests, and be countersigned by the mine foreman or superintendent.

SEC. 85. At each shaft or slope, subject to regulation by the Bureau, there shall be provided and maintained a substantial structure of adequate height and capacity, to sustain pulleys, cables and loads; only steel or iron wire cable or cable approved by the Bureau shall be used for such hoisting; and the hoisting apparatus shall be completely equipped with adequate and approved drums, brakes, indicators and safety devices; hoisting cages shall be strongly built, protected, and equipped with approved devices to prevent persons or property from falling therefrom or therewith, or from other mishap; such cages shall not be operated faster than six hundred feet per minute, when men are being hoisted; no more passengers shall be transported upon any such cage at any one time than are permitted for such cage by written certificate of the district mine inspector, issued annually or oftener if necessary or desirable.

SEC. 86. When men are in the bottom of a shaft, rock or coal shall not be hoisted except in a bucket, cage, or approved lifting device; to be securely connected to the hoisting rope and so arranged that there shall be no danger of its tipping while being hoisted or lowered. Regulations shall be made for installation and use of buckets or other freight hoisting devices. No person except mine officials and repair men, shall be permitted to ride upon a loaded car or with cars or material of any kind, on either cage; except that a driver may accompany an animal of which he is in charge, when such animal is securely penned by gates or in a suitable box or in a sling.

SEC. 87. Any person disobeying the orders of a gateman given to enforce the cage passenger permit herein elsewhere provided for, or crowding or pushing to get on or off any cage