

way, properly guarded, covered and protected, or for suitable hoisting apparatus and lifting cages, or both; and for frequent periodic examinations, records of the condition of and reports upon all such, to be required of the operator thereof; and for direction signs, conspicuously located at all points within bituminous coal mines of this State, where intersecting roadways or entries may produce doubt as to the proper direction to the nearest outlet.

SEC. 81. Provision shall be made for proper ventilation of shafts while they are being sunk. Until a second means of outlet becomes available from every part of any mine worked by shaft, a cage or other safe means of egress shall at all times be kept available for use of persons within such mine. During construction or deepening of any shaft, ample provision shall be made for protection of workmen engaged in such construction or deepening, against falling or against accidents from caving in or from materials falling down the shaft. Unless the strata being penetrated are solid, every shaft shall be lined, cased or otherwise made secure; and the operator shall direct and see that all loose rock or other dangerous materials are removed from the sides of such shaft or from any staging or timbers therein, especially after each blast; and whenever persons are employed upon platforms in shafts the operator shall see that said platforms are properly and safely constructed and secured.

SEC. 82. The Bureau shall prescribe by regulation for the provision and maintenance of safety gates or other adequate protective devices at top and intermediate landings of shafts and steeply inclined slopes; and for the employment of competent gatemen when in the judgment of the Bureau such employment is desirable; and defining the duties of such gatemen; and for the construction and unobstructed maintenance of safety passageways sufficient in area and height for comfort and easy use, at needed points within such mine; and for indicating and illuminating lights at such points in such mine, including the bottom of shafts and intermediate points where cages may stop, as the Bureau may deem desirable.

#### CHAPTER XII—*Hoisting, Power and Apparatus.*

SEC. 83. The permanent boilers used for generating steam, and buildings containing the same, shall not hereafter be constructed nearer than sixty feet to any mine opening or to any