

under rules and regulations of the Bureau. The mine operator shall make a report to the mine inspector, on forms provided by the Bureau. The report shall state the experience of the person making the test and be countersigned by the mine foreman or superintendent.

[7-414

If any workman is in the bottom of a shaft, rock or coal may be hoisted only in a bucket cage, or approved lifting device securely connected to the hoisting rope and arranged to avoid any danger of its tipping while being hoisted or lowered. Rules and regulations for installation and use of buckets or other freight hoisting devices may be promulgated. No person except a mine official or a repairman may ride on a loaded car or with cars containing material of any kind.]

[7-415.

A person may not disobey the order of a gateman given to enforce the cage passenger permit or crowd or push to get on or off any cage thereby endangering others.]

[7-416

(a) A qualified hoisting engineer shall be on duty continuously when any person is underground at a shaft mine. Unless a second engineer is on duty, hoists used for handling persons shall be equipped with overspeed, overwind, and automatic stop controls. At the beginning of each shift and after the hoist has been idle, the hoisting engineer shall operate the cage up and down the shaft at least one round trip before hoisting or lowering any person. Similar procedures shall be followed in slope hoisting, except that an attendant may ride on the trip.

(b) Slope, shaft, or incline plane hoists shall be equipped with brakes capable of stopping and holding the fully loaded unbalanced cage or trip at any point in the shaft, slope, or on the incline. An accurate and reliable indicator, showing the position of the cage or trip, shall be placed in clear view of the engineer, unless the position of the cage or trip is clearly visible to the engineer at all times. Hoisting equipment shall be inspected daily and a record made of the inspection. The record is open for examination by any interested person.

(c) Hoisting ropes on any cage or trip shall be adequate in size to handle the load and have a proper factor of safety as defined in the American Standard Association's Wire Rope Standards.

(d) Any cage used for hoisting any worker shall be of substantial construction with adequate steel bonnets, with enclosed sides, gates, safety chains, or bars across the ends of the cage when workers are being hoisted or lowered,

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