

but if not feasible and practical then the Bureau shall have the authority to prescribe rules relating to the duties of the door attendant.

89. (a) Hoisting. A qualified hoisting engineer shall be on duty continuously when men are underground at shaft mines.

Hoists used for handling men shall be equipped with overspeed, overwind, and automatic stop controls, unless a second engineer is on duty.

At the beginning of each shift and after the hoist has been idle, the hoisting engineer shall operate the cages up and down the shaft at least one round trip before hoisting or lowering men. Similar procedure 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 so as to be in clear view of the engineer, unless the position of the car or trip is clearly visible to the engineer at all times.

Hoisting equipment shall be inspected daily and a record made of such inspection which shall be open for inspection by interested persons.

(c) Hoisting ropes on all cages or traps 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) Cages, shafts, and slopes. Cages used for hoisting men shall be of substantial construction; with adequate steel bonnets; with enclosed sides; with gates, safety chains, or bars across the ends of the cage when men are being hoisted or lowered; and with sufficient handholds or chains for all men on the cage to maintain their balance. The floor of the cage shall be constructed so that it will be adequate to carry the load so that it will be impossible for a workman's foot or body to enter any opening in the bottom of the cage.

Cages used for handling men shall be equipped with safety catches that act quickly and effectively in an emergency.

(e) Cages shall be inspected daily. A test of safety catches on cages shall be made at least every two (2)