MINES

The beginning of the present General Orders on Mines was a set of general orders on nine mines which became effective January 4, 1915. These orders, however, did not cover all of the hazards encountered in mining operations nor were they applicable to iron mining.

A complete set of orders was published March 31, 1922, and became effective May 1, 1922.

The advisory committee was reorganized in 1927 and the existing orders were completely revised. The revised orders were published September 25, 1937, and became effective October 25, 1937. They are available in pamphlet form.

The order numbers and captions are given below:

Order 391 Scope
392 Construction of Orders
393 Definitions
394 Care of the Injured
395 Ventilation
396 General Safety Precautions
397 Safety Bulletin Boards
398 Orders for Underground Men
399 Inspection
400 Shafting
401 Two Openings to Surface
402 Fire Protection
403 Flammable Material
404 Ladders and Ladderways
405 Hoisting Equipment
406 Cage for Hoisting Men
407 Whims and Hand Operated Windlasses
408 Hoisting Practice
409 Hoisting While Sinking Shaft
410 Hoisting Tunnels
411 Hoisting Signal System
412 Hoisting Signals
413 Hoisting Engineers
414 Duties of Hoisting Engineer
415 Storage, Transportation and Use of Explosives Above Ground
416 Storage, Handling and Use of Explosives Underground
417 Blasting Caps, Fuse and Primers
418 Blasting
419 Electric Blasting
420 Sanitation
421 Illumination
422 Protection Against Water
423 Timbering
424 Winzes, Rises and Openings
425 Haulage
426 Dump Tracks
427 Maps

QUARRIES AND PITS

The first quarry safety code became effective January 7, 1922. These orders were drafted by a committee composed of practical quarry operators and representatives of organized labor. After several years' experience with these orders a revision was considered necessary and the old committee was reorganized to make recommendations. The revised orders were published December 5, 1929 and became effective January 4, 1930. Most of the old orders were retained or amended in the revision but were renumbered to permit proper grouping to fit in with the different phases of quarry operation. Orders 385, 390 and 391 became effective January 7, 1922.

In addition to these orders the bulletin (which may be obtained from the commission) has an appendix that contains a number of recommendations for the guidance of quarry workers in safe practices.

The order numbers and captions are as follows:

Order 358 Construction of Orders
360 Definitions
363 General Safety Precautions
365 Bulletin Boards
366 Care of the Injured
368 Tunnels in Quarries
369 Superintendent
370 Inspection at the Face of the Quarry
371 Sand and Gravel Excavations
372 Overburden
373 Holtest Apparatus and Derrick
371 Cable Standards
372 Cable Sheaves
373 Holtest Men
374 Holtest Loads
375 Holtest Material
377 Quarry Cars and Haulage
378 Elevated Spur Tracks
379 Quarry Stairs and Ladders
381 Passageways

ELEVATOR CODE

The original elevator code became effective in February, 1913, having been drafted and recommended by the general committee on safety and sanitation which was created by the industrial commission shortly after its organization in 1911 assisted by a subcommittee composed of practical elevator men. This original code was extensively revised in 1917 by a committee of elevator code committees. The entire code was revised in 1928 and further amendments were adopted in 1928 and 1930.

A complete revision of the elevator code to meet the developments in the elevator industry, became effective September 8, 1944, and is available in pamphlet form by application to the Industrial Commission.

The orders of this code are identified by numbers and captions as follows:

Order 400 Definitions
401 General Scope
402 Renewing of Elevators, Dumbwaiters and Escalators
403 Inspections
404 Plans, New Installations
405 Inspection by Insurance Companies
406 Inspection by Cities
407 Inspection Fees
408 Tests and Inspections, New Installations
410 Holtestway Enclosures, New Installations
412 Guarding Holtestway Enclosures, New and Existing Installations
423 Combined Elevators and Elevator Holtestway Enclosures, New and Existing Installations
424 Guards for Outside Windows in Holtestways, New and Existing Installations
425 Guards for Projections in Holtestways
426 Car Clearances, New Installations
427 Depth of Pit and Overhead Clearance, New Installations
428 Construction of Pits
429 Buffers, New Installations
430 Holtestways, Penthouses, Machine Rooms and Pits Unobstructed, New and Existing Installations
431 Machine Rooms, Penthouses, where Required, New Installations
432 Construction of Machine Rooms and Penthouses
Order
242 Overhead Floors and Machinery Supports. New and Existing Installations.
244 Floors and Screens under Sheaves. New and Existing Installations.
248 Guards for Counterweight Runways. New and Existing Installations.
249 Spreader Brackets and Counterweight Stops. New and Existing Installations.
250 Construction of Cars. New Installations.
252 Passenger Elevator—Car Interlocks.
253 Passenger Elevator—Car Furnishings. New and Existing Installations.
254 Passenger Elevator—Car Door or Gate.
255 Passenger Elevator—Hoistway Landing Doors.
256 Passenger Elevator—Hoistway Landing Door Interlocks.
257 Passenger Elevator Landings. New Installations.
258 Freight Elevator—Car Enclosure.
259 Freight Elevator—Car Entrances. New and Existing Installations.
260 Freight Elevator—Car Doors or Gates.
261 Freight Elevator Hoistway Landing Doors or Gates.
262 Freight Elevator Hoistway Landing Doors or Gates; Construction.
263 Freight Elevator Landings. New Installations.
264 Power Freight Elevator Hoistway Landing Doors and Gates. Laid and Existing Installations.
265 Safety for Cables. New and Existing Installations.
266 Cable Data.
267 Renewing of Cables. New and Existing Installations.
268 Number and Size of Cables Required.
269 Guides for Sheaves and Pulleys.
270 Cable Terminal Fastenings and Turnings. New and Existing Installations.
271 Governor Cables.
272 Drum and Counterweights.
273 Drum Counterweights. New Installations.
274 Protection of Counterweights. New and Existing Installations.
275 Bolting of Counterweights. New Installations.
276 Capacities and Loadings for Passenger Elevators.
277 Capacity Plates. New and Existing Installations.
278 Stress allowed in Designs. New Installations.
283 Machinery. General Requirements.
284 Prohibited Installations.
285 Operation of Elevators. New and Existing Installations.
286 Safety Devices and Speed Governors.
287 Brakes.
288 Stop Ropes for Hand Ropes.
289 Guards for Hand Ropes Sheaves and Pulleys.
290 Centering Ropes.
291 Winding Chains. New and Existing Installations.
292 Car Safety Devices and Speed Governors.
293 Stair Elevators.
294 Stair Elevators, Construction and General Requirements. New and Existing Installations.
295 Safety Equipment. New and Existing Installations.
296 Passenger Type Elevators. New Installations.
297 Maintenance.