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lift trucks, tiering trucks, or stacking trucks, but shall not mean low-lift trucks or low-lift platform trucks that are designed for the transportation of but not the tiering of material.

(6) The term *manlift* shall mean a device intended for the conveyance of persons which consists of platforms or brackets mounted on, or attached to, an endless belt, cable, chain or similar method of suspension; such belt, cable or chain operating in a substantially vertical direction and being supported by and driven through pulleys, sheaves or sprockets at the top and bottom.

(c) *Exception.* (1) This section shall not prohibit the operation of an automatic elevator and an automatic signal operation elevator provided that the exposed portion of the car interior (exclusive of vents and other necessary small openings), the car door, and the hoistway doors are constructed of solid surfaces without any opening through which a part of the body may extend; all hoistway openings at floor level have doors which are interlocked with the car door so as to prevent the car from starting until all such doors are closed and locked; the elevator (other than hydraulic elevators) is equipped with a device which will stop and hold the car in case of overspeed or if the cable slackens or breaks; and the elevator is equipped with upper and lower travel limit devices which will normally bring the car to rest at either terminal and a final limit switch which will prevent the movement in either direction and will open in case of excessive over travel by the car.

(2) For the purpose of this exception the term *automatic elevator* shall mean a passenger elevator, a freight elevator, or a combination passenger-freight elevator, the operation of which is controlled by pushbuttons in such a manner that the starting, going to the landing selected, leveling and holding, and the opening and closing of the car and hoistway doors are entirely automatic.

(3) For the purpose of this exception, the term *automatic signal operation elevator* shall mean an elevator which is started in response to the operation of a switch (such as a lever or push-button) in the car which when operated by the operator actuates a starting de-

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vice that automatically closes the car and hoistway doors—from this point on, the movement of the car to the landing selected, leveling and holding when it gets there, and the opening of the car and hoistway doors are entirely automatic.

[16 FR 7008, July 20, 1951, as amended at 20 FR 6386, Aug. 31, 1955. Redesignated at 28 FR 1634, Feb. 21, 1963, and amended at 28 FR 3449, Apr. 9, 1963; 32 FR 15479, Nov. 7, 1967. Redesignated and amended at 36 FR 25156, Dec. 29, 1971]

§ 570.59 Occupations involved in the operations of power-driven metal forming, punching, and shearing machines (Order 8).

(a) *Finding and declaration of fact.* The following occupations are particularly hazardous for the employment of minors between 16 and 18 years of age:

(1) The occupations of operator of or helper on the following power-driven metal forming, punching, and shearing machines:

(i) All rolling machines, such as beading, straightening, corrugating, flanging, or bending rolls; and hot or cold rolling mills.

(ii) All pressing or punching machines, such as punch presses except those provided with full automatic feed and ejection and with a fixed barrier guard to prevent the hands or fingers of the operator from entering the area between the dies; power presses; and plate punches.

(iii) All bending machines, such as apron brakes and press brakes.

(iv) All hammering machines, such as drop hammers and power hammers.

(v) All shearing machines, such as guillotine or squaring shears; alligator shears; and rotary shears.

(2) The occupations of setting up, adjusting, repairing, oiling, or cleaning these machines including those with automatic feed and ejection.

(b) *Definitions.* (1) The term *operator* shall mean a person who operates a machine covered by this section by performing such functions as starting or stopping the machine, placing materials into or removing them from the machine, or any other functions directly involved in operation of the machine.

(2) The term *helper* shall mean a person who assists in the operation of a

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machine covered by this section by helping place materials into or remove them from the machine.

(3) The term *forming, punching, and shearing machines* shall mean power-driven metal-working machines, other than machine tools, which change the shape of or cut metal by means of tools, such as dies, rolls, or knives which are mounted on rams, plungers, or other moving parts. Types of forming, punching, and shearing machines enumerated in this section are the machines to which the designation is by custom applied.

(c) *Exemptions.* This section shall not apply to the employment of apprentices or student-learners under the conditions prescribed in § 570.50 (b) and (c).

[16 FR 7008, July 20, 1951, as amended at 25 FR 9848, Oct. 14, 1960. Redesignated at 28 FR 1634, Feb. 21, 1963, and amended at 28 FR 3449, Apr. 9, 1963. Redesignated at 36 FR 25156, Dec. 29, 1971]

§ 570.60 Occupations in connection with mining, other than coal (Order 9).

(a) *Finding and declaration of fact.* All occupations in connection with mining, other than coal, are particularly hazardous for the employment of minors between 16 and 18 years of age or detrimental to their health or well-being and employment in such occupations is therefore prohibited under section 12 of the Fair Labor Standards Act, as amended, except the following:

(1) Work in offices, in the warehouse or supply house, in the change house, in the laboratory, and in repair or maintenance shops not located underground.

(2) Work in the operation and maintenance of living quarters.

(3) Work outside the mine in surveying, in the repair and maintenance of roads, and in general clean-up about the mine property such as clearing brush and digging drainage ditches.

(4) Work of track crews in the building and maintaining of sections of railroad track located in those areas of open-cut metal mines where mining and haulage activities are not being conducted at the time and place that

such building and maintenance work is being done.

(5) Work in or about surface placer mining operations other than placer dredging operations and hydraulic placer mining operations.

(6) The following work in metal mills other than in mercury-recovery mills or mills using the cyanide process:

(i) Work involving the operation of jigs, sludge tables, flotation cells, or drier-filters;

(ii) Work of hand-sorting at picking table or picking belt;

(iii) General clean-up work:

Provided, however, That nothing in this section shall be construed as permitting employment of minors in any occupation prohibited by any other hazardous occupations order issued by the Secretary of Labor.

(b) *Definitions.* As used in this section: The term *all occupations in connection with mining, other than coal* shall mean all work performed underground in mines and quarries; on the surface at underground mines and underground quarries; in or about open-cut mines, open quarries, clay pits, and sand and gravel operations; at or about placer mining operations; at or about dredging operations for clay, sand or gravel; at or about bore-hole mining operations; in or about all metal mills, washer plants, or grinding mills reducing the bulk of the extracted minerals; and at or about any other crushing, grinding, screening, sizing, washing or cleaning operations performed upon the extracted minerals except where such operations are performed as a part of a manufacturing process. The term shall not include work performed in subsequent manufacturing or processing operations, such as work performed in smelters, electro-metallurgical plants, refineries reduction plants, cement mills, plants where quarried stone is cut, sanded and further processed, or plants manufacturing clay glass or ceramic products. Neither shall the term include work performed in connection with coal mining, in petroleum production, in natural-gas production, nor in dredging