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FREE ROTATION CONTROL APPARATUS
OF HOIST AND TRACTION MACHINE

ABSTRACT

5 The invention relates to a free-rotation control
apparatus in a hoist assembly in which there is provided,
between an operating handle 18 and a stopper 17 provided
in a driving shaft 5, a free-rotation spring 19 for urging
the handle 18 toward the driving member 8 and urging the
driving member 8 in the brake releasing direction. When
10 the operating handle 18 is pulled out, the driving member
8 is rotated by a torsional urging force of the spring 19
so as to separate from a driven member 7. Thereupon a
braking action caused by a braking ratchet wheel 11 and
braking plates 9, 10 is cancelled and engagement lugs 31
15 are brought into resilient contact with free-rotation
control surfaces 35 by an axial urging force of the spring
19, so that the free-rotation control can be maintained.

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