

A ROTATING JACK WINCH

A b s t r a c t

5 A device for heaving in and paying out a chain by means of
a hydraulic cylinder (5) which by means of gripping devices
(2) engages the chain (11, 12) and lifts or lowers the
chain a given distance while the locking device (10) is
deactivated. The structure comprises a frame (8) provided
10 with a lower locking device (10), a chain wheel (6) guiding
the chain (11, 12), and an upper gripping device (2)
mounted in a bracket (1) which is connected to the rod head
of the hydraulic cylinder (5) and the central axle (7) of
the chain wheel (6). The lower locking device is formed by
15 two pawls (10) which are pivotally mounted on separate
pins. These pawls (10) engage under a chain link (12) and
hold it securely. The upper gripping device is formed by at
least one pawl (2) which, together with a chain wheel (6)
having pockets for the chain (11,12), engages under a
20 vertical chain link (11). In order for the gripping device
to be able to lift or lower the chain, the hydraulic
cylinder (5) has a pivotal attachment (4) supported in the
frame (8), and the end of its piston rod has a head that
can be supported on the same pivot pin (3) as the pawl (2)
25 of the gripping device, or on a separate pivot pin.