

## MAINTENANCE

Keep the machine clean and notice lubrication condition of every component and regularly fill lubrication oil.

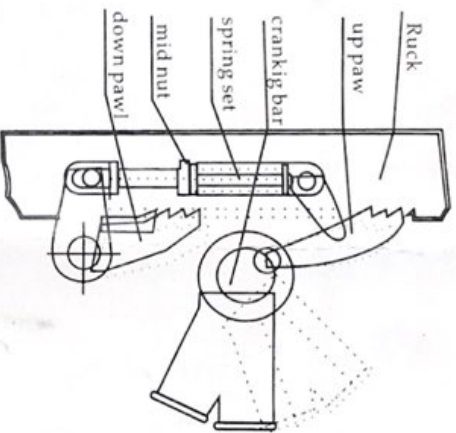
The machine should not be fallen down or bumped to damage the components in case for the normal use of it.

User needs to examine the machine regularly while using.

Check the condition, renew components which are badly damaged.

## TROUBLESHOOTING METHODS

Adjust the nut in the middle of the spring group slightly if the rack is hard to move. Adjust downward when it is hard to lift, vice versa. Generally, adjust one mm. is enough and the maximum adjustment is two mm.



### CERTIFICATE OF CONFORMITY

This product is qualified according to the delivery inspection

Name of product: Rack-typejack

Model: 5-15T

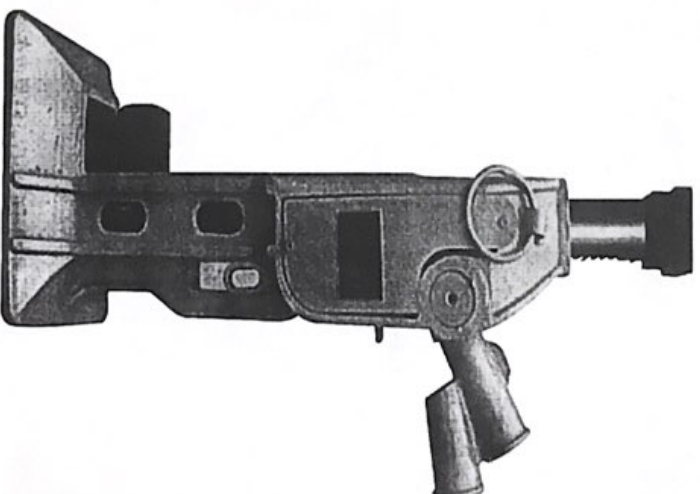
Test number: 8

Date:

# RACK-TYPE JACK

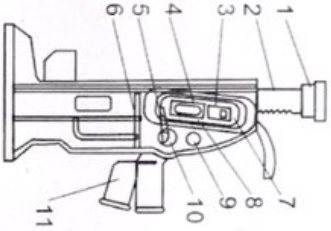
## TRACK LIFTING MACHINE

### OPERATION INSTRUCTIONS



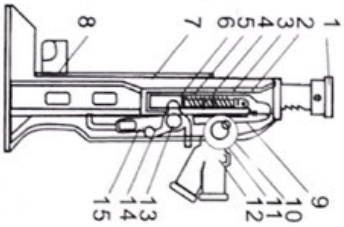
## Structure diagram

- 1, top
- 2, rack
- 3, spring
- 4, connecting rod
- 5, up&down spanner
- 6, housing
- 7, fixed gear
- 8, movable gear
- 9, axle
- 10, cover
- 11, cranking bar



QD5TRACK-TYPE JACK

- 1, top
- 2, up rod
- 3, up spring
- 4, mid rod
- 5, mid spring
- 6, mid rod
- 7, housing
- 8, rack
- 9, up pallet
- 10, cover of the axle
- 11, down pallet
- 12, cranking bar
- 13, axle
- 14, lifting spanner
- 15, up&down spanner



QD10T15TRACK-TYPE JACK

## USE

This machine is used for laying railway tracks, constructing bridges and lifting other heavy objects. It is a widely used lifting tool, which is convenient, safe, multi-used and simple structured.

## USING PRINCIPLE

Mechanical jack is a kind of manual lifting tool. It twirls small gears by swing of rocker. Then it twirls the screw by a pair of bevel gears to move the socket to lift or fall the goods.

## FUNCTION SPECIFICATIONS

Model	Max lifting capacity of the top	Max lifting capacity of foot-hoof	Lifting height	Tooth height (include height of the rack)	Foot-hoof
Qd5	5T	2.5T	160mm	34.5mm	43mm
Qd10	10T	5T	180mm	410mm	45mm
Qd15	15T	7.5T	280mm	580mm	60mm

## APPLICATION METHOD

Check jack before you use it. Pay attention to the agility of every part, the number of goods and the suitable tonnage. Do not overload.

Way to adjust the supporting point in the rocker: roll the rocker in clockwise direction to rapidly lift the socket to hold the object.

Plug the hand grip in the rocker hole, move the handgrip in all directions to lift the heavy object. Stop when the red security line appears on the socket. Move the supporting tooth to the opposite direction to fall the object.

## ATTENTIONS

Keep the machine surface clean and examine periodically whether the internal structure is complete to make small gear flexible and socket useful.

Oil the friction surface between the socket and the shell at any time, other oil injection holes should periodically oil as well.

To guarantee the safety, do not overload and use several machines together, and avoid using it when you're ill.