FLOATING OPERATION

It is possible to release the brake and to feed the load chain to the desired position by setting the change trigger to the position "NEUTRAL" when the lever hoist is not loaded and pushing the pedal toward the direction shown in the figure.

CAUTION

Never do floating operation when the lever hoist is loaded, as it is quite dangerous. (Push ratchet)

Do not forget to set the change trigger to the position "NEUTRAL" in floating operation.

When not using thechange trigger to the position "UP" or "DOWN", because the operation handle then revolves rapidly as the chain moves.

CAUTION ON CO-HOSTING BY MORE THAN 2 SETS OF CHAIN LEVER HOISTS

CAUTION

Co-hosting by more than 2 sets of chain lever hoists may be very risky depending on installing and using them.

Pay attention to balancing of a load as stated below:

When a combination of 2 lever hoists, which differ in rated load and hoist capacity, are used, make sure that the hoist with the smaller capacity is not abnormally loaded.

When a load is lifted by a number of lever hoists, make sure that the load is not unlevelly carried by them.

When a number of chain lever hoists are used in a lengthwise row, select hoists with an equal rated load.

A combination of hoists with different capacities will be very risky if a hoist with a bigger capacity is operated.

Use wire ropes, cables, shackles, fitting pieces, etc., which are sufficiently strong for lifting the top and bottom hooks of the chain lever hoists.

When it is used as an additional hoist for a big crane, select a chain lever hoist with a bigger capacity than the actual load. Furthermore, do not operate the crane in a manner of so-called earth-lifting. Otherwise, the chain lever hoists will be damaged.

When a number of chain lever hoists are used by one or combinations with other machines, do not change the chain lever hoist, to the use the chain lever hoist in a well-balanced condition, making sure the safety.

II) INSTALLATION

1. INSTALLATION OF THE HOIST UNIT

WARNING

The support structure on which the hoist unit is installed to bear loads more than 4 times the rated load.

If it is very dangerous to use a support of which strength is not sufficient, as it may be damaged due to the load.

In case that the chain lever hoist is used as auxiliary device for a crane, its safety factor should be 5.

Make sure when setting the unit that a support can surely bear the load and set the unit such that the top and bottom hooks are in line each other.

PROPER HANDLING AND CAUTIONS

1. SLINGING METHOD

WARNING

Inspect all the tools to be used on the day you will use. 

Wiring sling may cause quite dangerous situations.

Avoid using slings as shown below, which are very dangerous.

2. CAUTIONS DURING OPERATION

1. DANGEROUS OPERATION

WARNING

Never apply a load beyond the rated load to the unit (over-lifting).

Do not perform over-lifting or over-lowering.

Do not give a shock to the change trigger.

Do not get on a load to be lifted and do not stay under a load lifted.

Do not use a chain lever hoist which is not in order.

Do not use the chain lever hoist in an incorrect manner as shown below, which is quite dangerous.

1) Do not apply an overload to the chain lever hoist:

a) Do not apply a load which can be lifted or drawn by using the lever merely.

b) Do not operate the handle by inserting a pipe etc. into it.

c) Do not make the operation handle in an incorrect manner as shown below, which is quite dangerous.

2) Do not perform over-lifting or over-lowering.

Over-lifting means lifting up the bottom hook in excess of its limit and over-lowering means lowering down the bottom hook in excess of its limit. Never perform such operation, because the ELEPHANT chain lever hoist will be damaged and an accident will occur.

3) Do not give an impact to the chain lever hoist. Do not support a load falling down abruptly regardless of the ELEPHANT chain lever hoist. Any shocks may give a bigger shock than the actual weight to the chain lever hoist and lead to damages or destruction of it. A fierce shock will be very dangerous regardless of the weight of a load.

4) Do not put a load to be lifted and stay under a load lifted.

5) Others

- Never use a ELEPHANT chain lever hoist which is not in order.

Make use of the chain lever hoist carefully and never throw it away from an elevated place.
VI) MAINTENANCE AND INSPECTION

DAILY INSPECTION

- For daily operation, be sure to carry out the following checks prior to operation.
  - In case of any abnormality, stop operating the chain lever hoist and take proper countermeasures in accordance with the manual instructions.
  - When a trouble cannot be solved, consult a dealer of our products.
- Do not make conditioners running under abnormal conditions as it is very dangerous and might lead to a severe accident.

**WARNING**

- Don’t lubricate (grues up) on ratchet wheel, disc hub and friction disc. Please replace the grease by lubricant if it is smeared or grease. If grease slip of brake even if friction disc is washed by thinner.

1. Check the following at least prior to operation.
- Make sure that no visual deformations nor missing parts are found.
- Is any deformation of the portion found on which the top hook is attached?
  - Is the top hook not deformed?
  - Is the opening correct and the hook is not damaged?
  - Is the top hook not deformed?
  - Is the opening correct and the hook is not damaged?
- Make sure to operate the change trigger and the panel that they function properly.
- Make sure that the change trigger to release the load chain is not damaged.
- Is the change trigger not damaged, deformed or worn out?
- Make sure that the gate is not damaged, deformed or worn out in lifting operation that the panel rattles.

2. 2. Measures when abnormalities are found
- In case that parts are slightly missing and any dysfunction work is not required, the unit can be operated again by mounting parts.
- When the chain stopper is deformed or lubrication for the load chain is required, the unit can be operated again by lubricating the load chain respectively.
- Make sure to check the brake works when the chain lever hoist is again used after the remedy has been completed.

STORAGE

Wipe mud and water off the surface of the unit at the end operation, and apply it to the load chain and the hooks of the unit to keep it for storage.

VII) PERIODIC CHECKING

- In case of troubles and/or any abnormality, stop operating the holding unit and consult a dealer of our products.
- Stop operation when a load chain is showing a dangerous state even when no noticeable changes in their function, it is therefore indispensable to make a periodic, measuring check. The periodic measures can be normally made once a month. Observe the following "INSPECTION AND LIMITATION FOR USE."