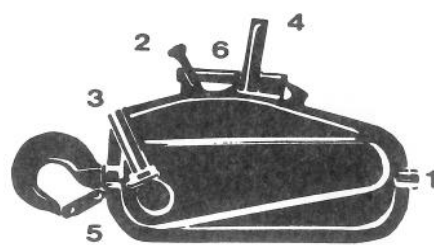
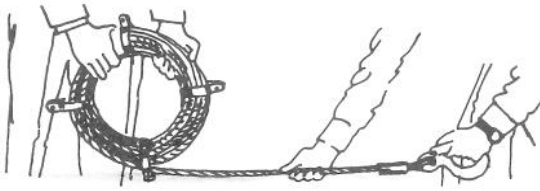
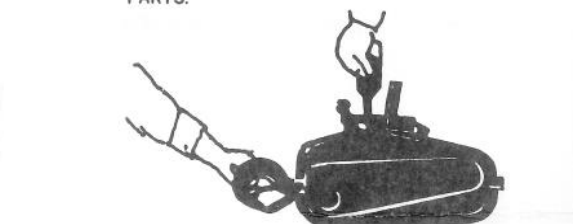

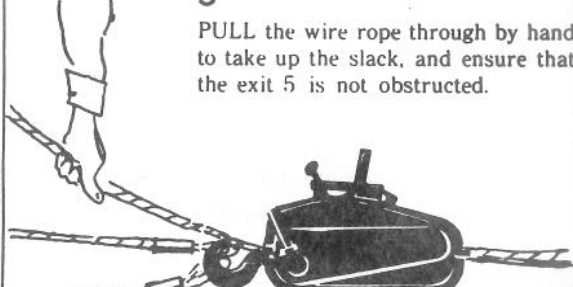


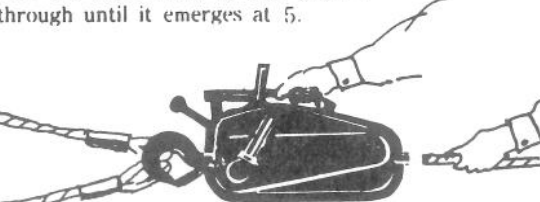
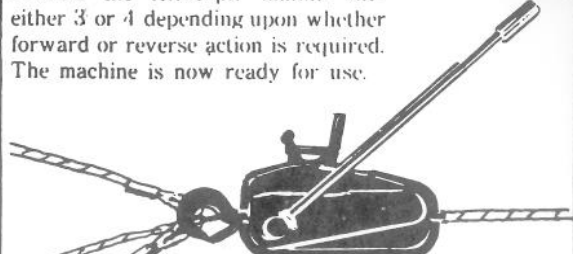


TIRMASTER

WIRE ROPE WINCH OPERATION MANUAL

* HOW TO OPERATE

	<table border="0"><tr><td>1 Rope entry</td><td>4 Reversing lever</td></tr><tr><td>2 Rope release handle</td><td>5 Rope exit</td></tr><tr><td>3 Operating lever</td><td>6 Carrying Handle (Containing two sets of spare shear pins)</td></tr></table>	1 Rope entry	4 Reversing lever	2 Rope release handle	5 Rope exit	3 Operating lever	6 Carrying Handle (Containing two sets of spare shear pins)
1 Rope entry	4 Reversing lever						
2 Rope release handle	5 Rope exit						
3 Operating lever	6 Carrying Handle (Containing two sets of spare shear pins)						
<p>1 UNCOIL the rope, arrange it between the load and the machine.</p> 	<p>BEFORE OPERATION, PLEASE POUR LUBRICATING OIL INTO MACHINE THEN MOVE REVERSING LEVER SO AS TO MAKE OIL PERVADE INSIDE PARTS.</p> 						
<p>2 ATTACH the hook of the machine to a suitable anchorage point by means of a sling.</p> 	<p>5 PULL the wire rope through by hand to take up the slack, and ensure that the exit 5 is not obstructed.</p> 						
<p>3 TO RELEASE the unit, pull the release lever 2 into the notched position. Incline lever 3 away from the hook.</p> 	<p>6 TO ENGAGE the machine on the rope, lift the release lever 2 from the notched position and allow it to spring back to its natural position.</p> 						
<p>4 After releasing the machine, INSERT the tapered end of the rope into the rope entry 1, and push it through until it emerges at 5.</p> 	<p>7 PLACE the telescopic handle onto either 3 or 4 depending upon whether forward or reverse action is required. The machine is now ready for use.</p> 						

NOTE: Each **TIRMASTER** is supplied with Telescopic Operating Handle, Oil Lubricator and Spanner.

* NOTICES FOR SMOOTH OPERATION

1. Don't over-load.

All **TIRMASTER** provide safety pins for over-load. But please be sure to use **TIRMASTER** within the maximum capacity as specified, to ensure longer machine life and prevent any accident caused by over-loading.

If safety pins are sheared by over-load, replace them with spare safety pins.

Replacement safety pins are provided in the Carrying Handle (6).

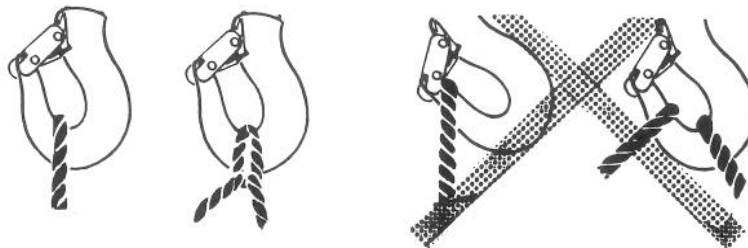
2. Safety Pins are important parts functioning like a fuse in electricity.

Be sure to use the safety pins designated for **TIRMASTER**, and please don't make any temporary repair using screws, steel wire or by welding. Otherwise you cannot prevent any overloading and accordingly abnormal wearing will shorten the life of the machine.

3. Oiling and checking of wire rope.

Before operating **TIRMASTER**, lubricate well and be sure to check wire rope for kinks, scars and any other defects. The defective wire rope should be replaced with a new rope.

4. Suspend the load properly from the hooks.



Correct

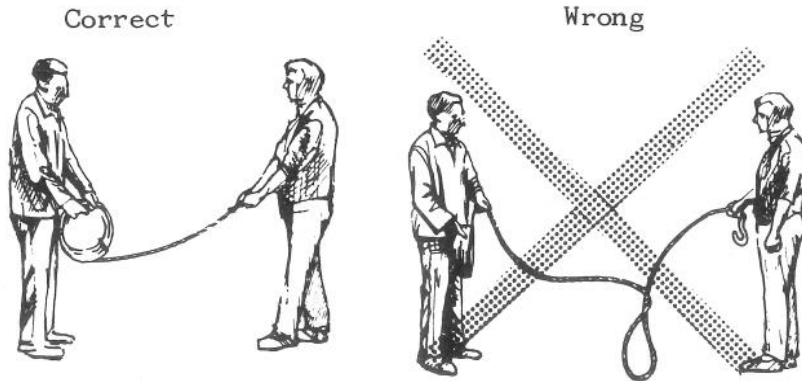
Wrong

* OPERATING HANDLE

1. Never operate Operating Lever (3) and Reversing Lever (4) simultaneously.
2. Operate handle with maximum swing distance.
3. Locate the handle onto the operating lever (3) and make it turn approx. 90° so that pipe handle does not come off from the operating lever whilst in operation.

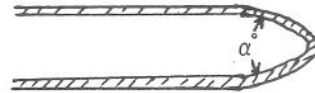
* WIRE ROPE

1. Kink is a fatal defect of wire rope. Unwind the coiled wire rope correctly as per following figures not to twist and kink the wire rope.



2. Never press the wire rope onto something with a sharp edge. If the wire rope is hung onto the edge, the breaking load of wire rope will come down sharply as per following table.

Rope Angle (α)	120	90	65	45
Braking Load Reduction (%)	30	35	40	47



* AFTER USE OF TIRMASTER

1. Return the Rope Release Handle(2) to the original position, otherwise the spring will loosen and could cause future machine problems.
2. Lubricate the machine after Wiping out the dirt and moisture.
3. Oil wire rope after cleaning.
4. For preventing rust, don't keep the machine at the place where moisture is prevalent or chemicals are stored.
5. Do not drag or throw **TIRMASTER**.

* IN CASE OF MACHINE TROUBLE

1. Check lubrication. 98% of machine trouble is caused by poor lubrication.
2. Check safety pins.
3. Check wire rope of no defects.
4. Confirm that the inside of the machine is not rusty or not dirty.

After checking above item 1. through 4. and if no good results obtained, please contact the dealer or manufacturer.