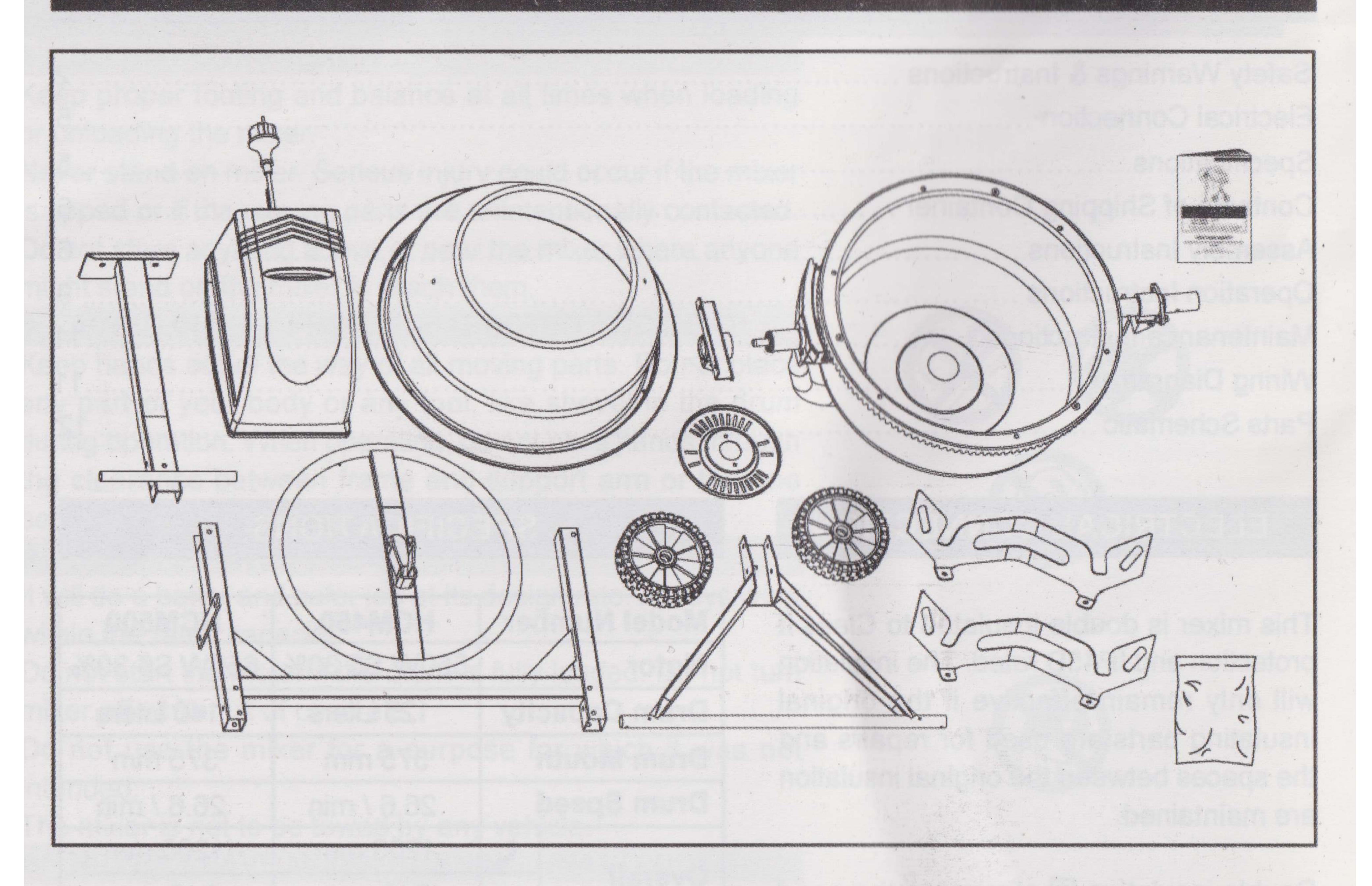
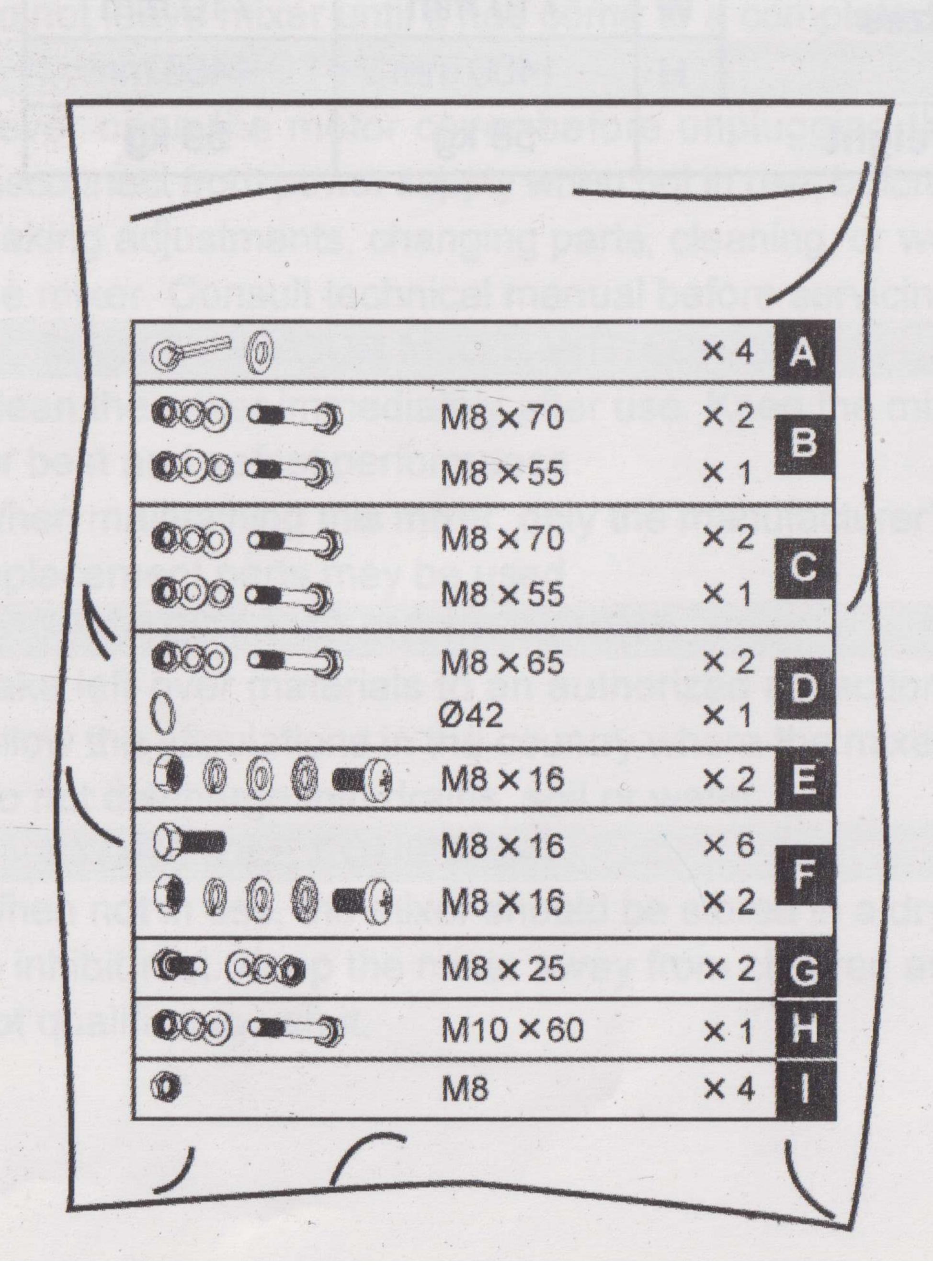
CONTENTS OF THE SHIPPING CONTAINER



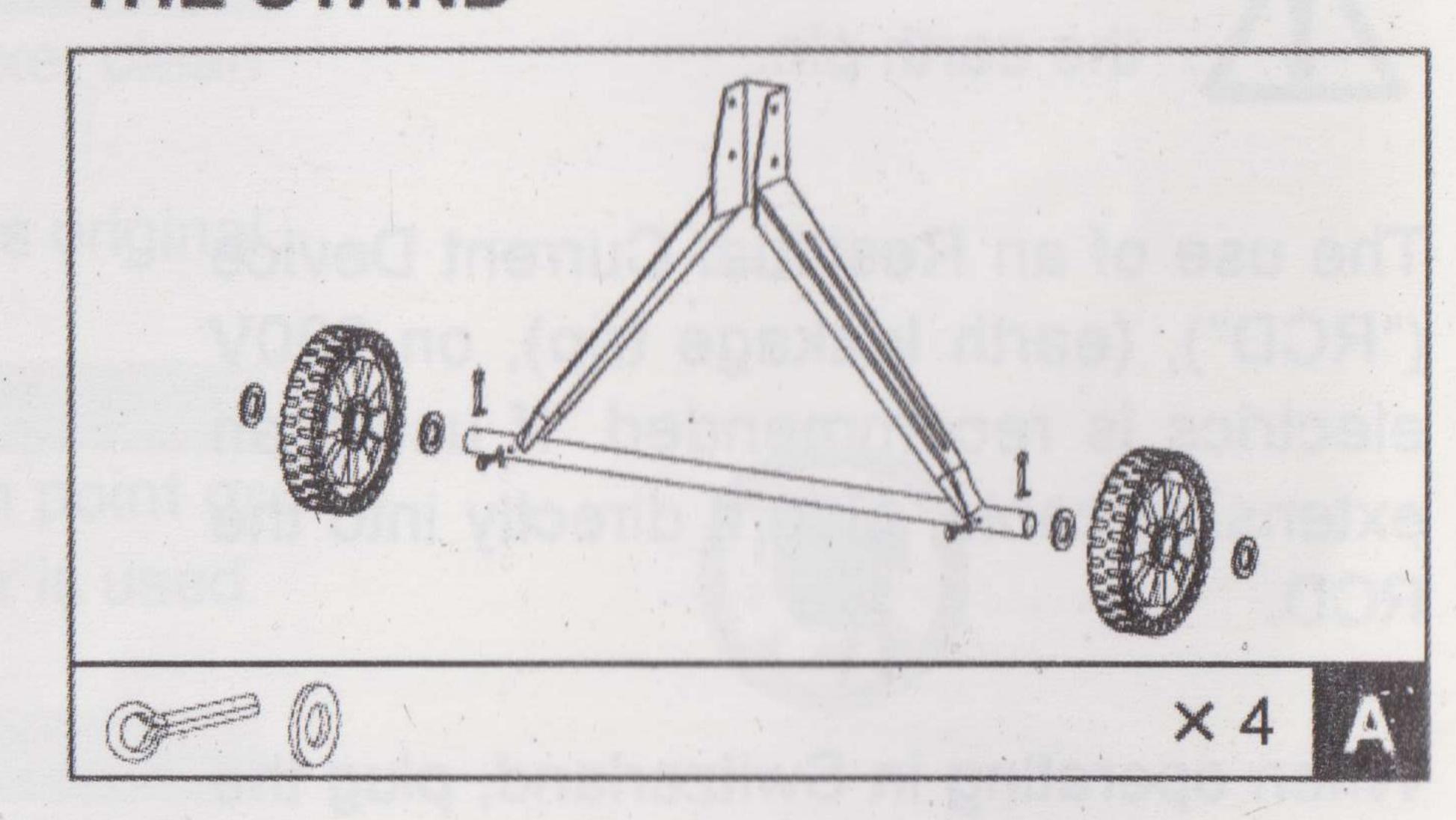


ASSEMBLY INSTRUCTIONS

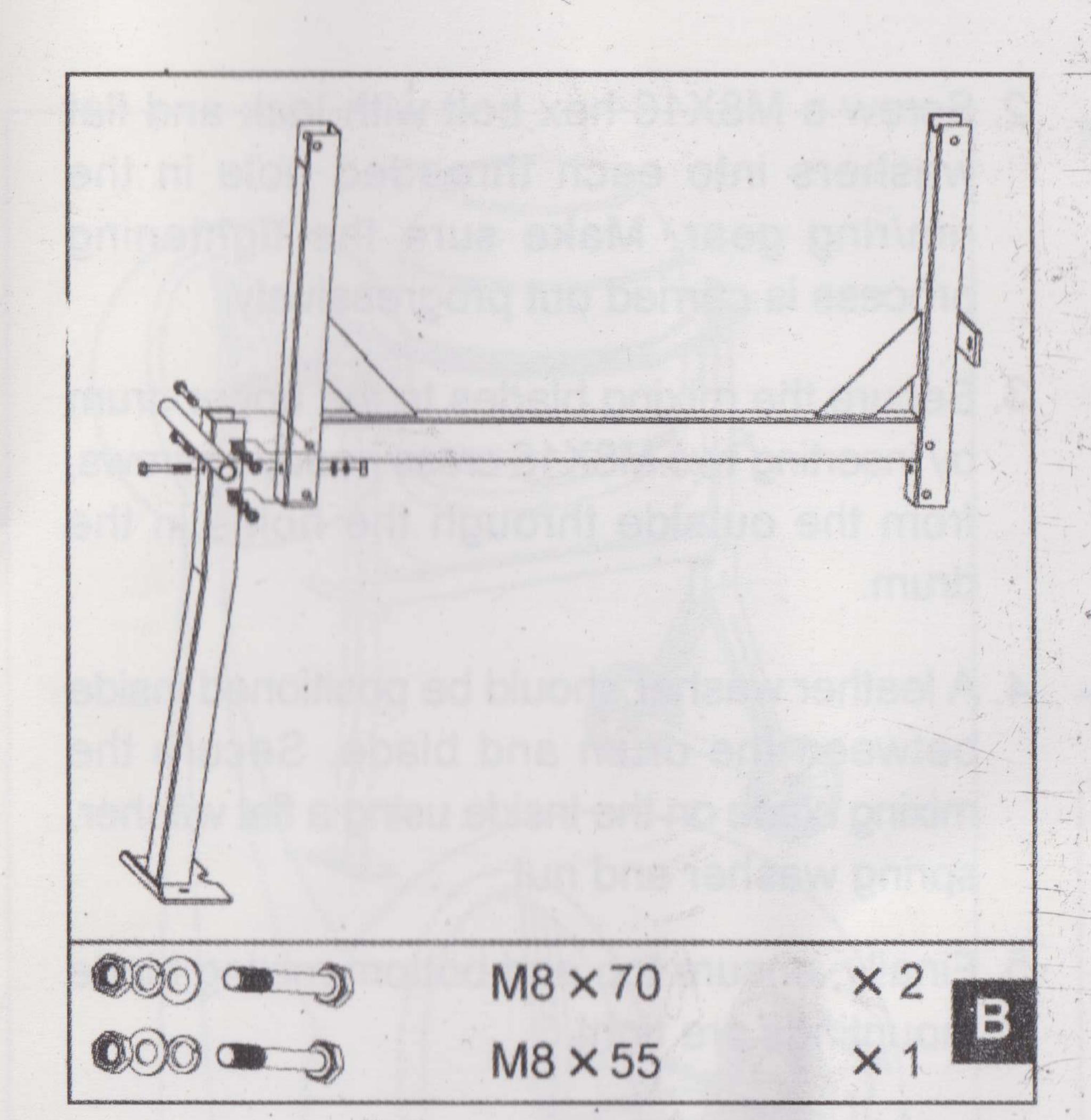


Two people assist in assembly recommended.

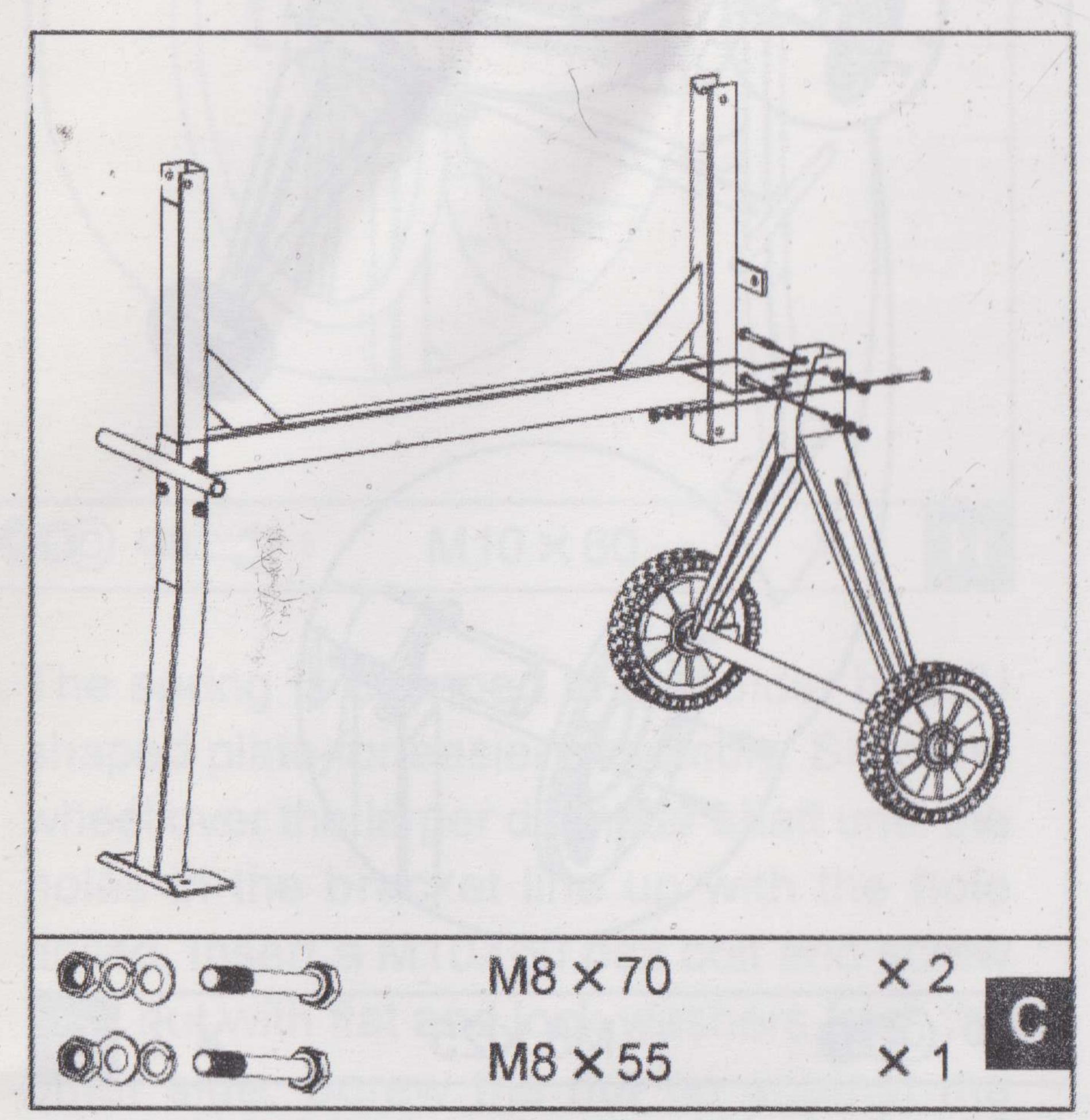
THE STAND



1. With a split pin inserted into the inner holes in each stub axle, place a flat washer, then a wheel followed by another flat washer. Insert another split pin into the axle holes outside each flat washer. Bend each side of the pins outward so they do not fall out.

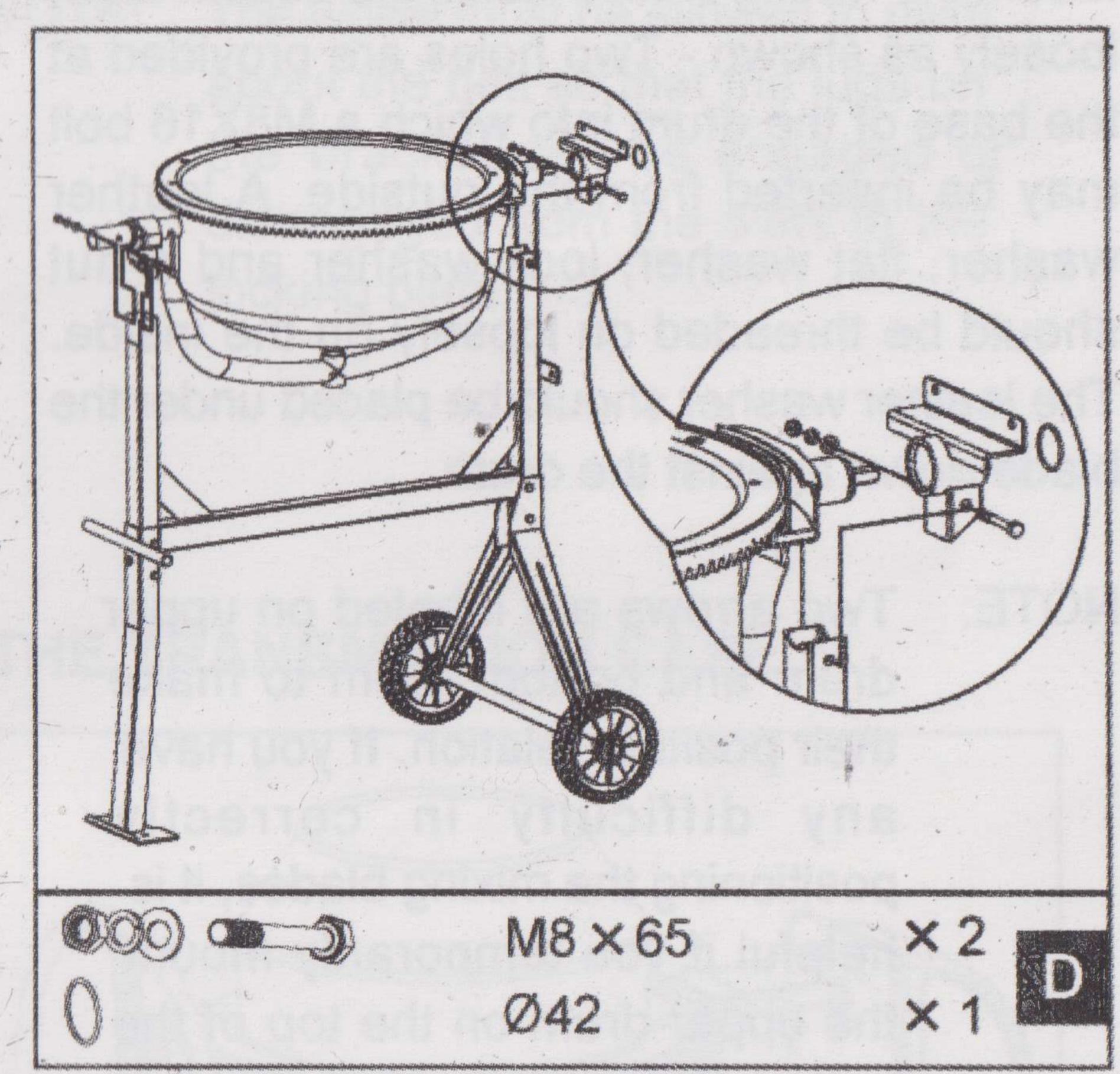


2. With the frame lying on its side, attach the support leg as shown. Insert two M8X70 hex bolts through the holes from one side, then flat washers, lock washers and nuts from the other side. Also screw a M8X55 hex bolt with lock and flat washers to the nut on the frame. Tighten down.



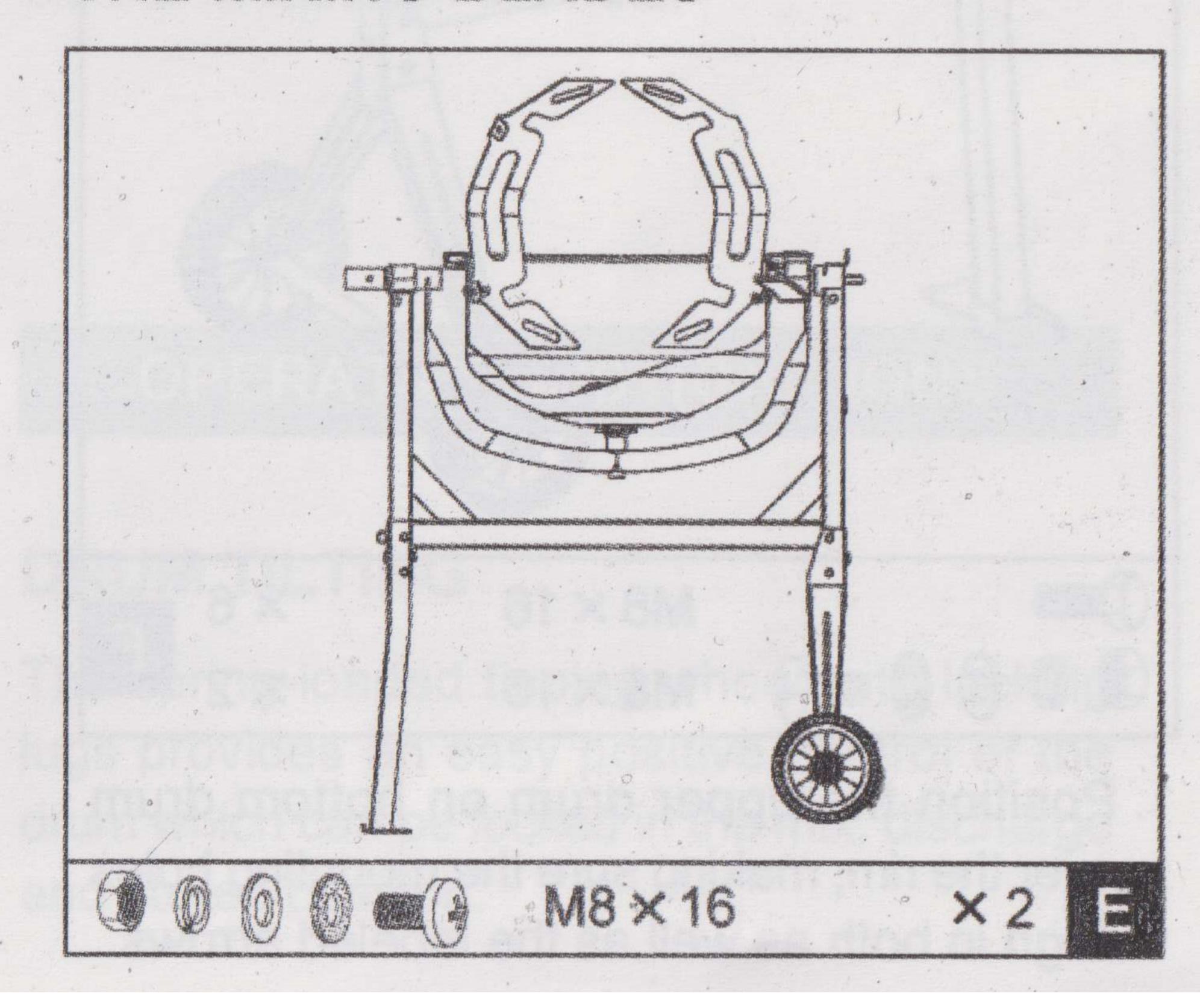
- 3. Turn the frame over and attach the axle bracket with wheels in the same manner.
- 4. Make sure all bolts and nuts are tightened.

THE BOTTOM DRUM



- 1. Slide the bearing block on the shaft. Hold it in place with Ø42 spiral ring.
- 2. Carefully, and with two people, set the bottom drum with support arm onto the side supports of the stand as shown, so that the bearing blocks slot into the channels provided by the side supports. The larger diameter shaft should be at the leg end of the stand.
- 3. At each side, line up the holes in the side support with those in the bearing block and insert a M8X65 hex bolt from one side, then a flat washer, lock washer and nut from the other side. Tighten with a wrench.

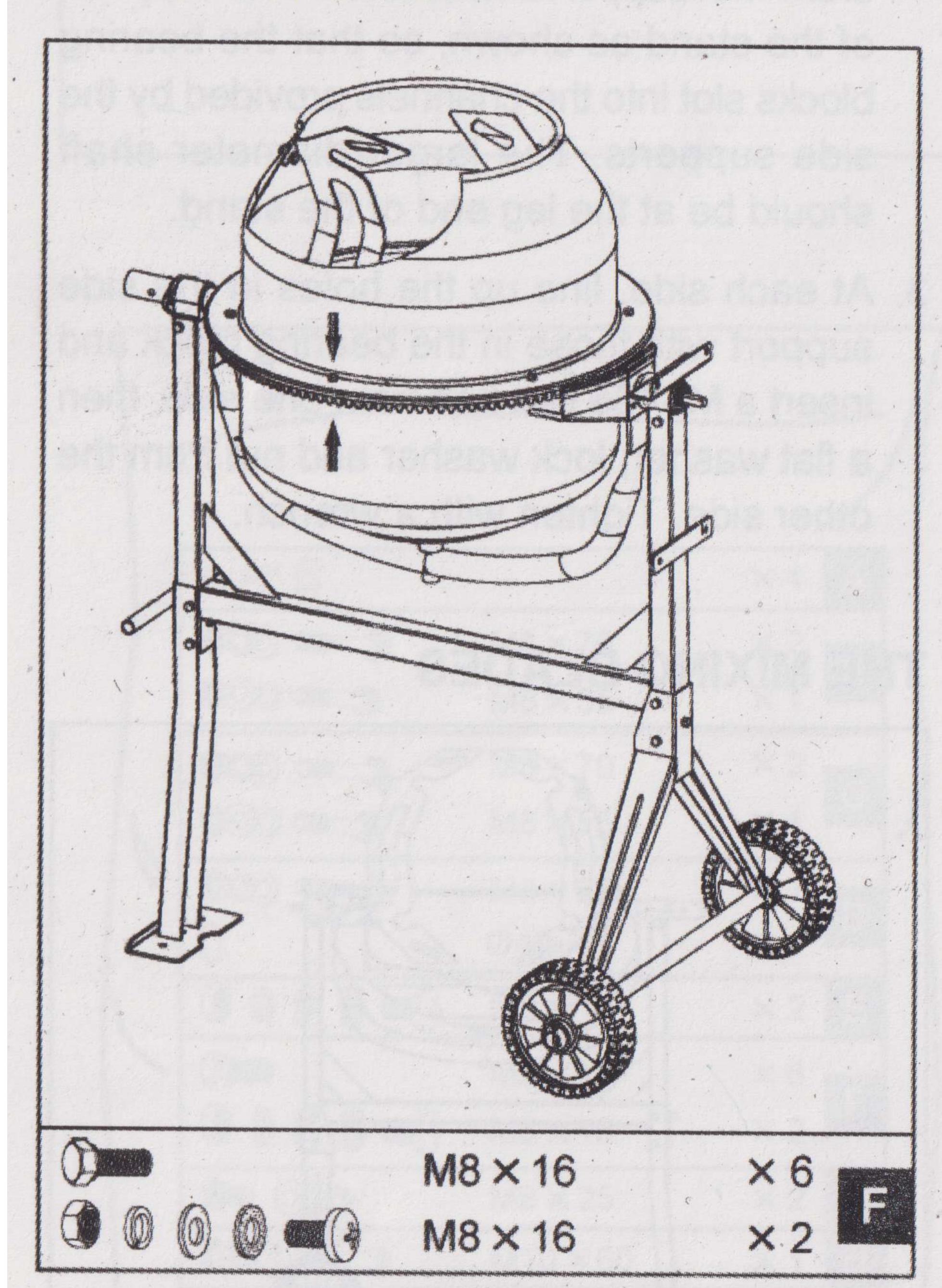
THE MIXING BLADES



Mount the mixing blades inside the bottom drum loosely as shown - Two holes are provided at the base of the drum into which a M8X16 bolt may be inserted from the outside. A leather washer, flat washer, lock washer and a nut should be threaded on loosely on the inside. The leather washer should be placed under the blade down against the drum.

NOTE: Two arrows are labeled on upper drum and bottom drum to make their position relation. If you have any difficulty in correctly positioning the mixing blades, it is helpful if you temporarily mount the upper drum on the top of the bottom drum, rotating it so that the two arrows line up.

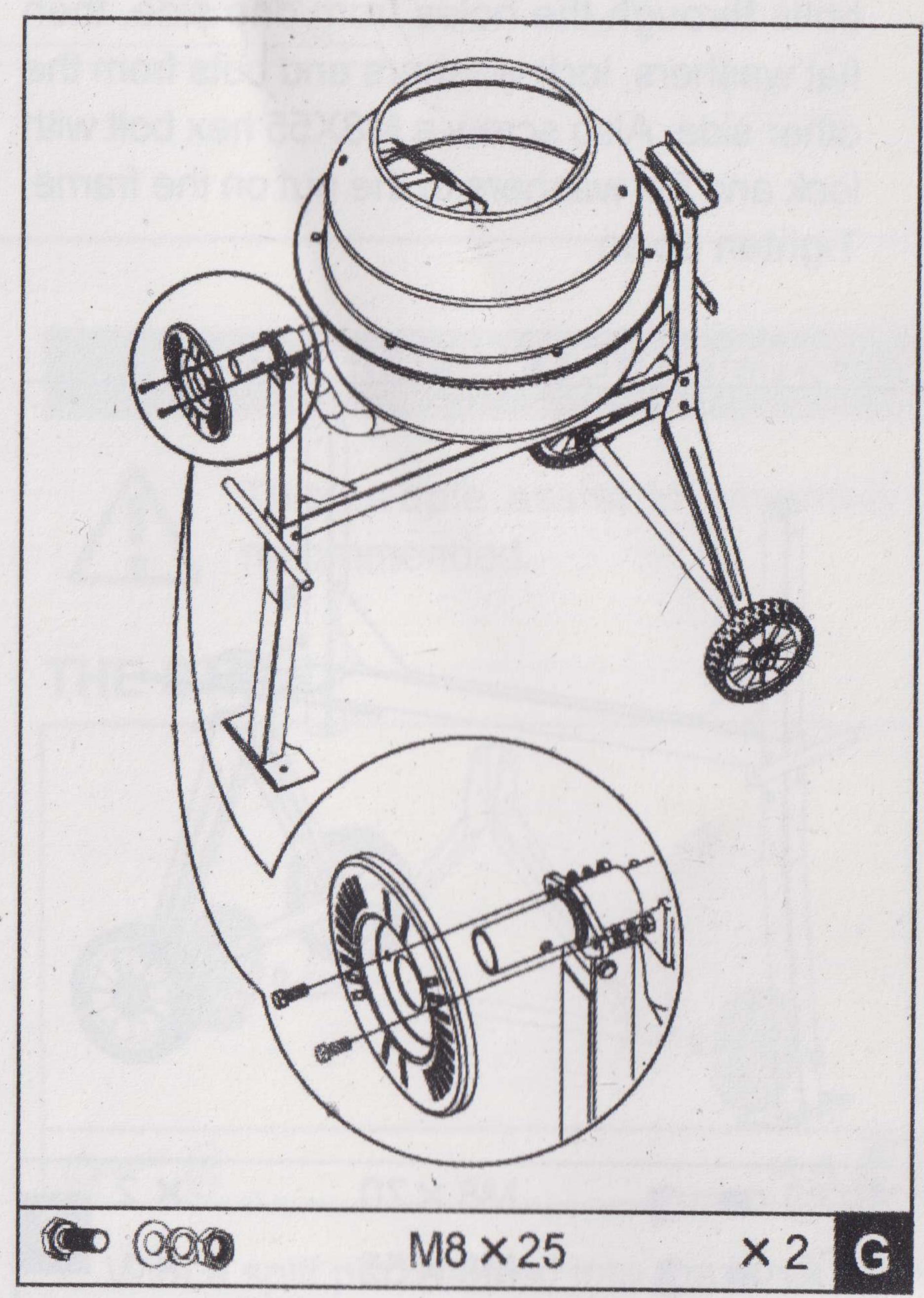
THE UPPER DRUM



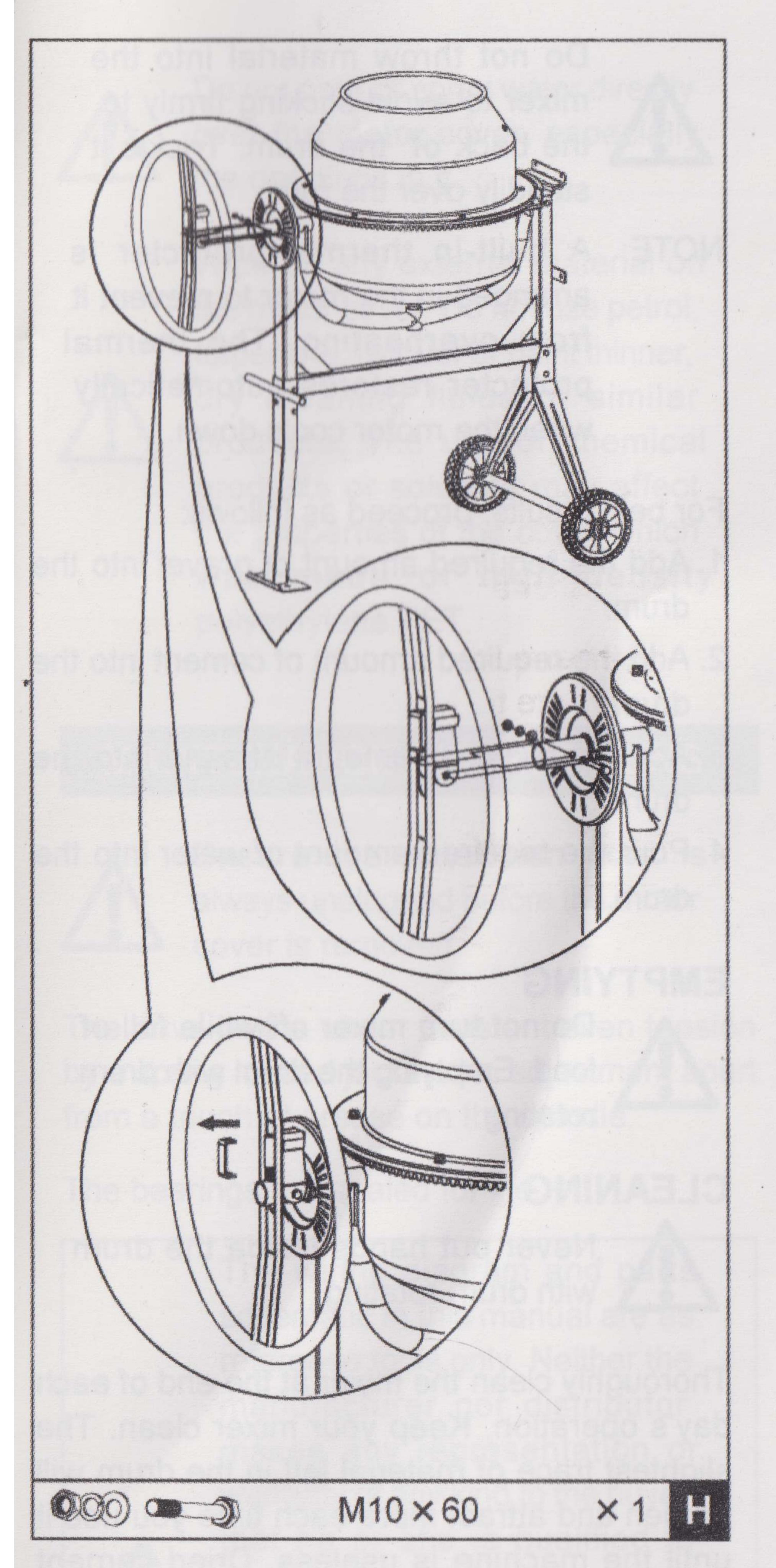
1. Position the upper drum on bottom drum over the rim, making sure the mounting holes align in both as well as the labeled arrows.

- Screw a M8X16 hex bolt with lock and flat washers into each threaded hole in the rim/ring gear. Make sure the tightening process is carried out progressively.
- 3. Secure the mixing blades to the upper drum by inserting two M8X16 cross headed screws, from the outside through the holes in the drum.
- 4. A leather washer should be positioned inside between the drum and blade. Secure the mixing blade on the inside using a flat washer, spring washer and nut.
- 5. Finally, ensure top and bottom mixing blade mountings are tight.

THE TIPPING WHEEL



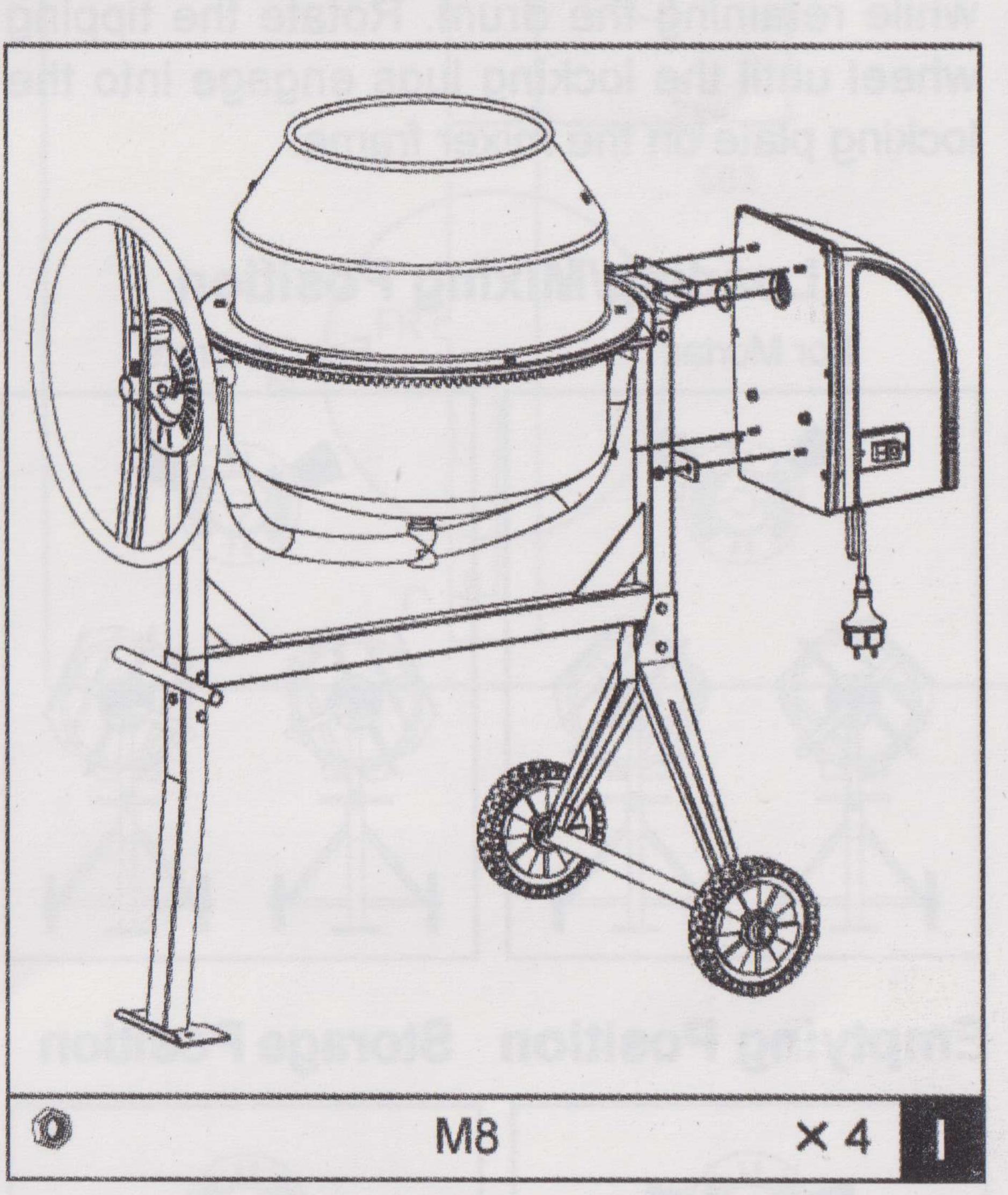
1. Slide the locking plate over the large diameter shaft at the leg end of the frame with the rim facing inwards as shown. Secure with two M8X25 bolts, each with a nut, lock and flat washers.



2. The spring is clamped in its holder by a U shaped plate for easier assembly. Slide the wheel over the larger diameter shaft until the holes in the bracket line up with the hole drilled. Insert a M10X60 hex bolt and screw on a nut with flat and lock washers from the other side. Screw the nut up against the bracket firmly, but not so tightly so as to prevent the wheel from pivoting about the bolt. Free the spring by removing the U shaped plate.

NOTE: The wheel must be allowed to pivot about the bolt so that the lugs on the bracket can be engaged or disengaged from the slots in the locking plate.

THE TRANSMISSION CASE



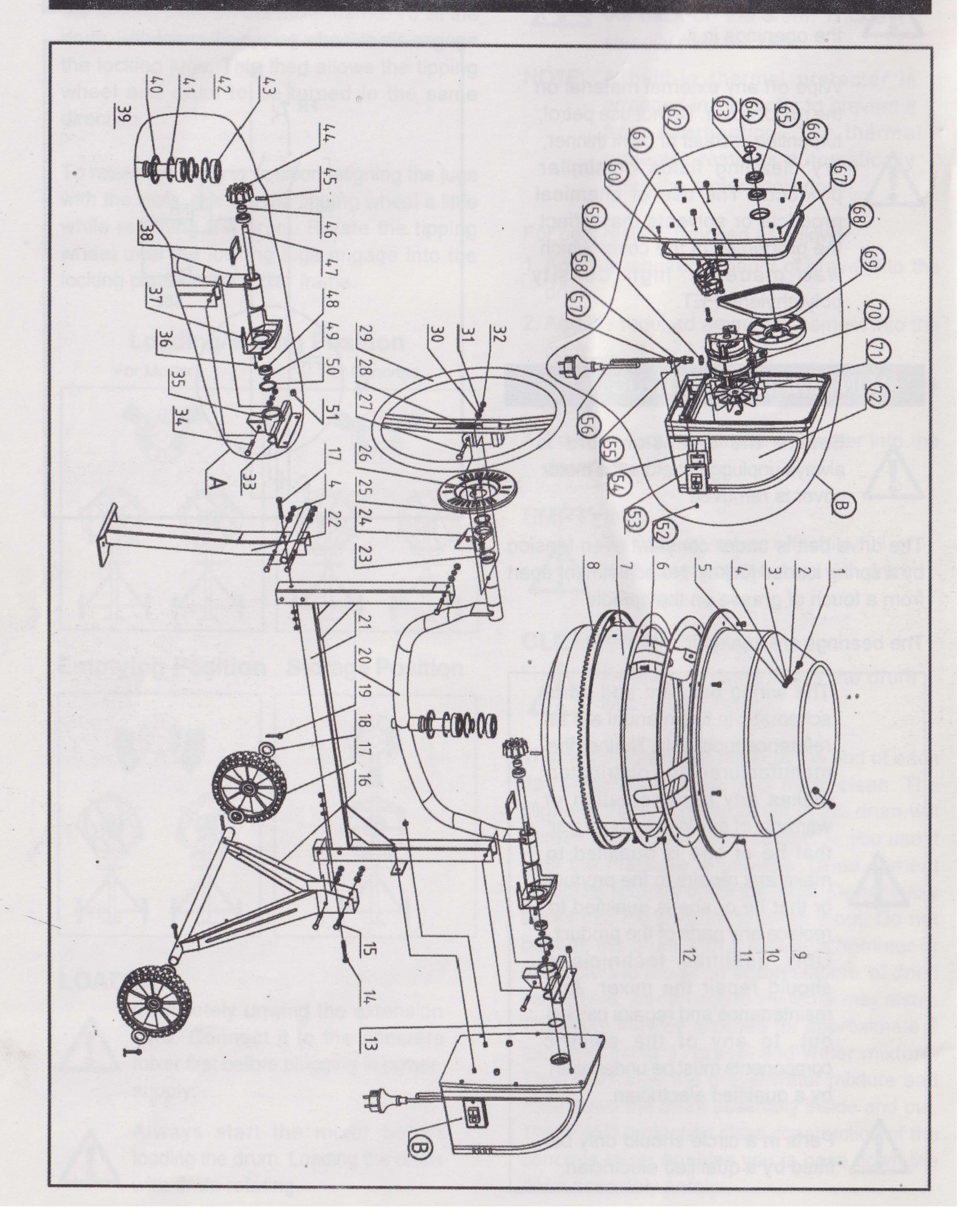
Lining up the keyways, slide the transmission case over the pinion shaft. Secure the case to the frame with four M8 nuts.

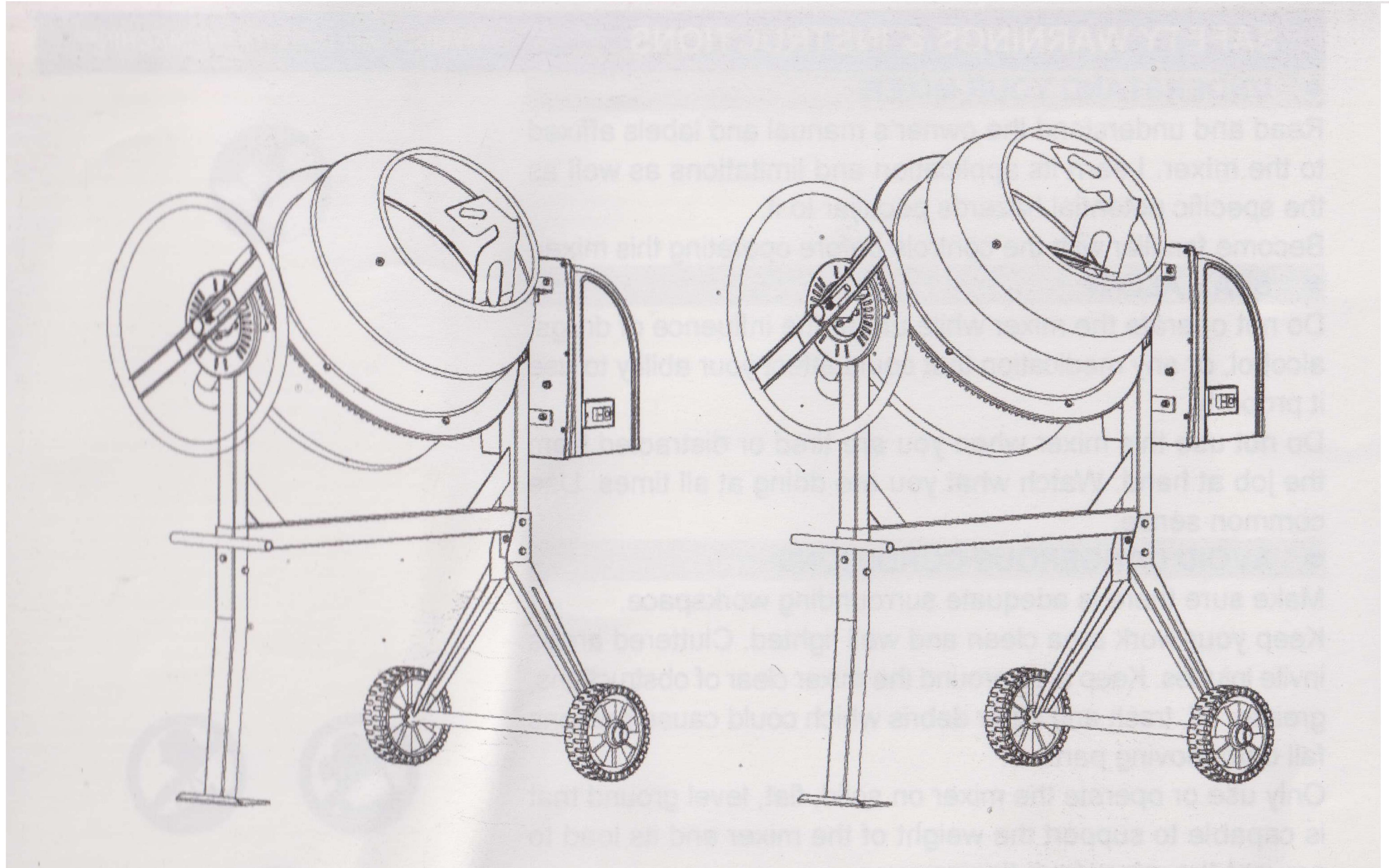
OPERATION INSTRUCTIONS

DRUM TILTING

The spring-loaded tipping wheel with locking lugs provides an easy positive control of the drum which can be locked in the mix, discharge and stored position.

PARTS SCHEMATIC





Concrete Mixer

Owner's Manual

MODEL NUMBER: WHCM450

DHCM500

SERIAL NUMBER:

Both model number and serial number may be found on the main label.

You should record both of them in a safe place for future use.

FOR YOUR SAFETY

READ AND UNDERSTAND THE ENTIRE MANUAL BEFORE OPERATING
MACHINE

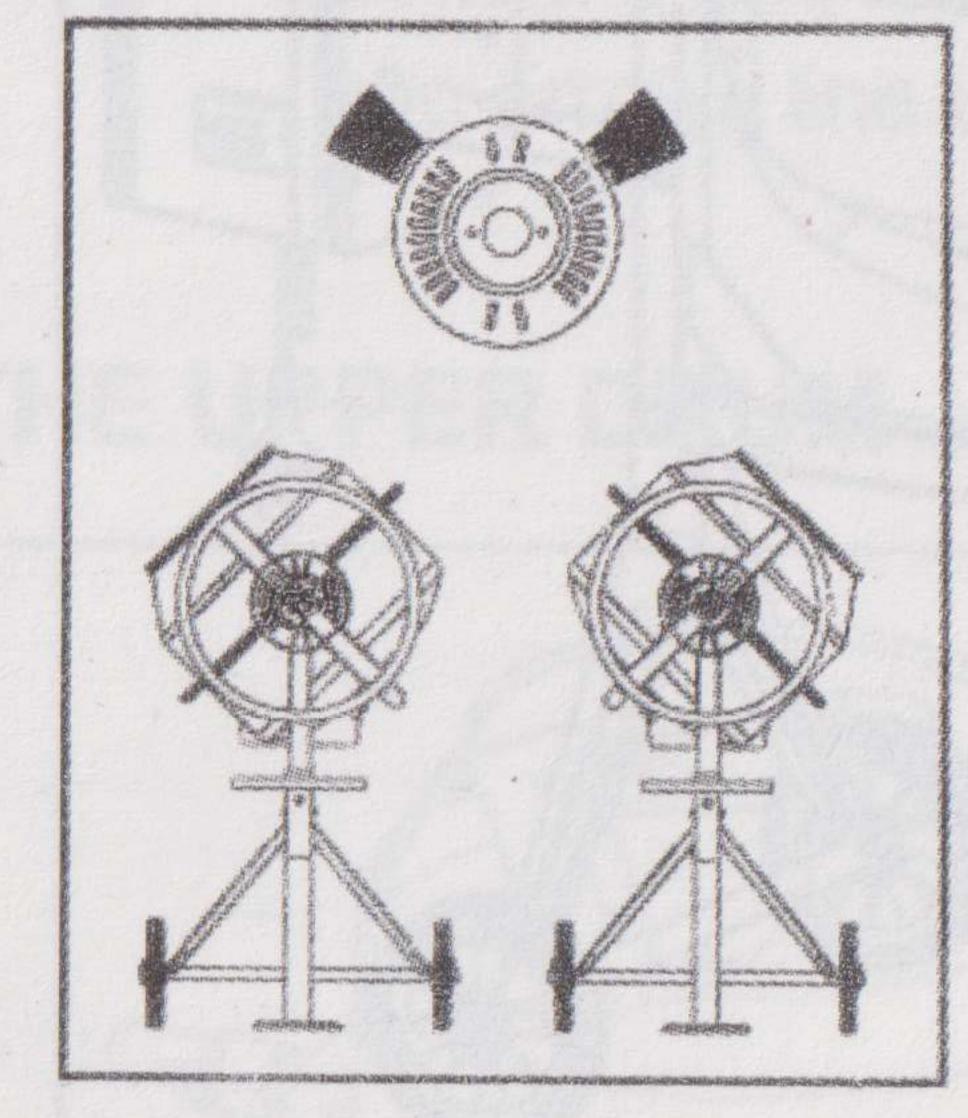
The drum is locked in position by lugs on the self-locating tipping wheel which engage into the locking plate on the mixer frame. To tilt the drum, withdrawn the tipping wheel to dis-engage the locking lugs. This then allows the tipping wheel and drum to be turned in the same direction.

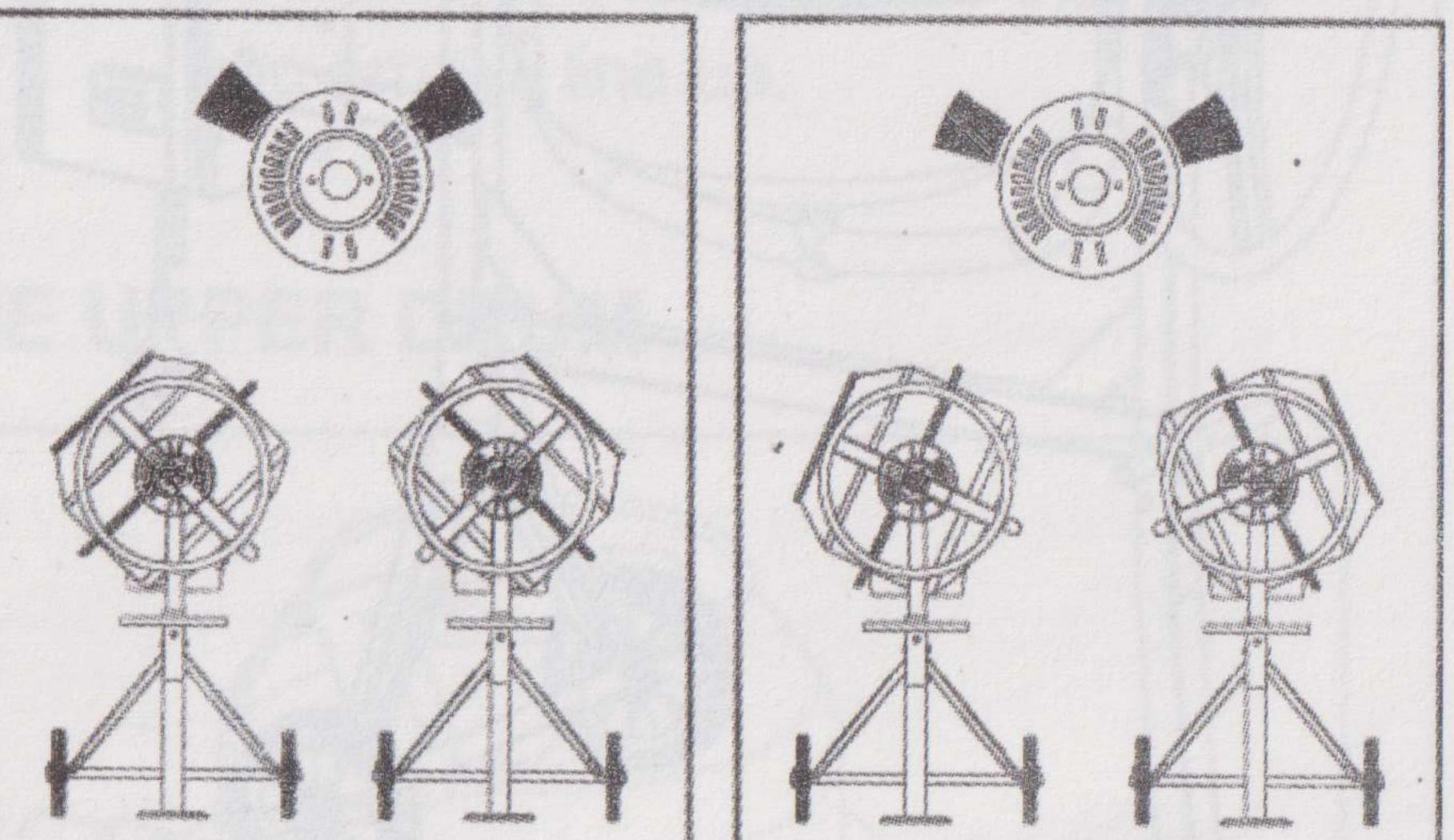
To retain the drum in position, aligning the lugs with the slots, release the tipping wheel a little while retaining the drum. Rotate the tipping wheel until the locking lugs engage into the locking place on the mixer frame.

Loading/Mixing Position

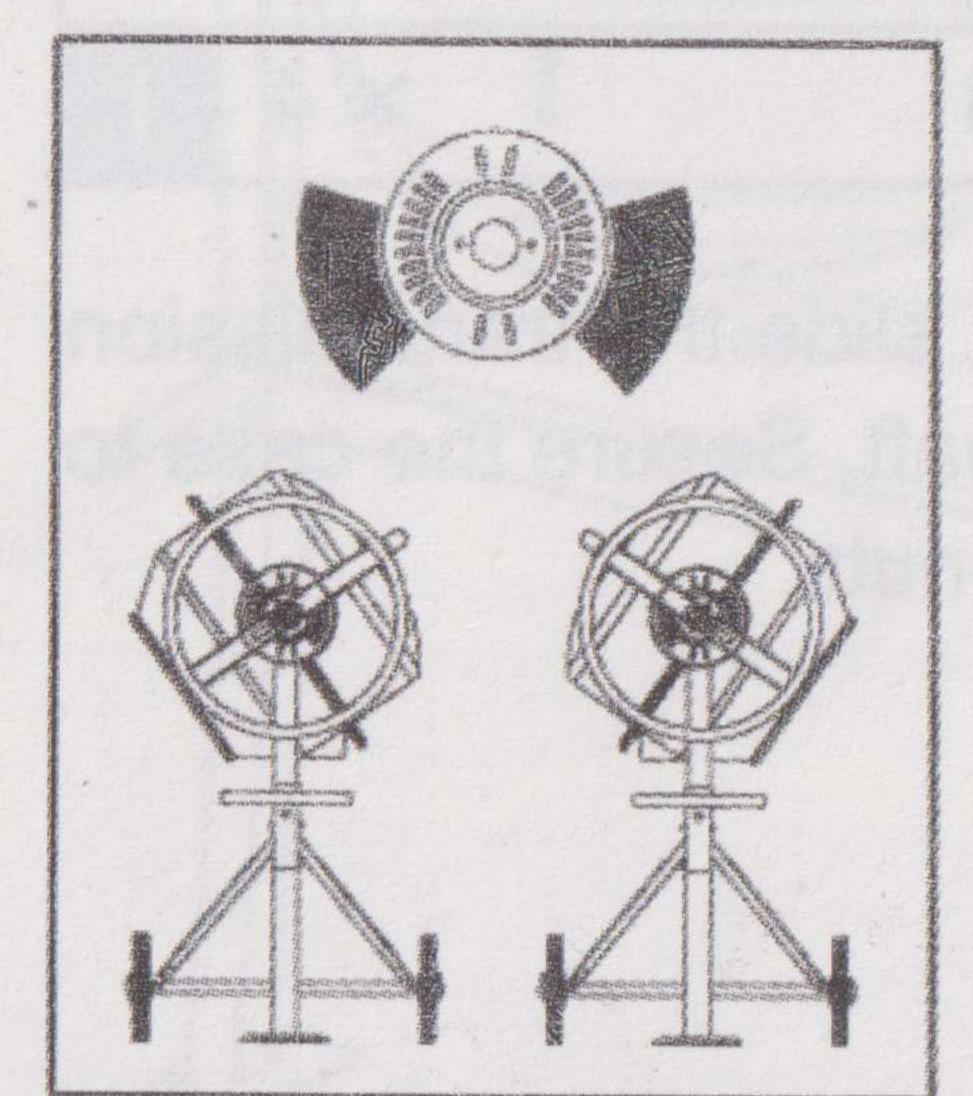
For Mortar

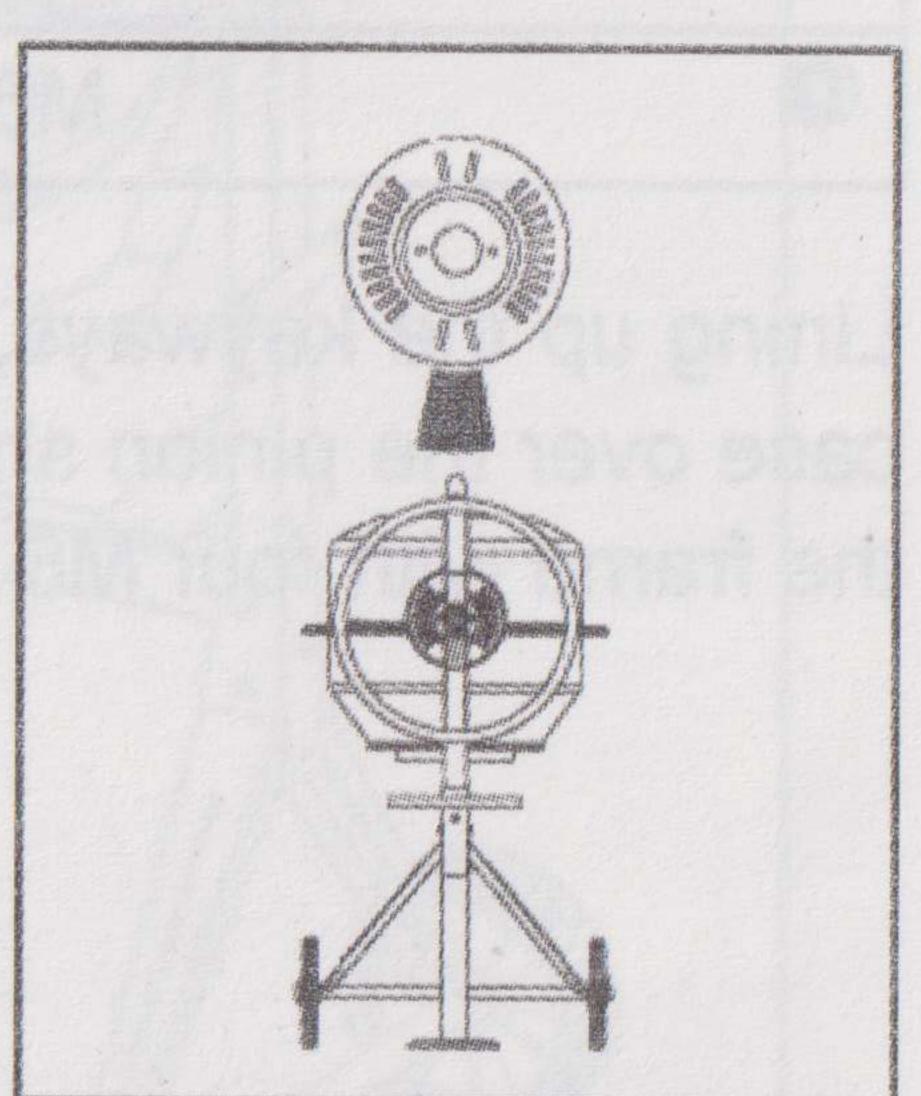
For Concrete





Emptying Position Storage Position





LOADING



Completely unwind the extension cord. Connect it to the concrete mixer first before plugging in power supply.



Always start the mixer before loading the drum. Loading the drum with drum rotating.



Do not throw material into the mixer to avoid sticking firmly to the back of the drum. Trickle it steadily over the ram.

NOTE: A built-in thermal protecter is arranged in the motor to prevent it from overheating. The thermal protecter restores automatically when the motor cools down.

For best results, proceed as follows:

- . Add the required amount of gravel into the drum.
- 2. Add the required amount of cement into the drum.
- 3. Add the required amount of sand into the drum.
- 4. Pour the required amount of water into the drum.

EMPTYING



Do not turn mixer off while full of load. Emptying the drum with drum rotating.

CLEANING



Never put hands inside the drum with drum rotating.

Thoroughly clean the mixer at the end of each day's operation. Keep your mixer clean. The slightest trace of material left in the drum will harden and attract more each time you use it until the machine is useless. Dried cement should be scraped out of the drum. Do not throw bricks into mixer drum to clean it out. Do not beat on the drum with a shovel, a hammer or other tools to break up accumulations of dried cement mix, as damage to the mixer may result. The drum may be scoured for approximate 2 minutes, using 1" gravel and water mixture. Then discharge the gravel/water mixture and hose down the drum assembly inside and out. The IP45D protection class construction of the concrete mixer enables you to hose down the drum assembly safely.



Do not pour or spray water directly over the motor cover, especially the openings in it.



Wipe off any external material on the motor cover. Do not use petrol, turpentine, lacquer or paint thinner, dry cleaning fluids or similar products. The use of chemical products or solvents may affect the properties of the cover which was made of high density polyethyiene PET.

MAINTENANCE INSTRUCTIONS



Ensure the extension cord is always unplugged before the motor cover is removed.

The drive belt is under constant even tension by a spring loaded jockey. No adjustment apart from a touch of grease on the spindle.

The bearings are sealed for life.

The wiring diagram and parts schematic in this manual are as reference tools only. Neither the manufacturer nor distributor makes any representation or warranty of any kind to the buyer that he or she is qualified to make any repairs to the product or that he or she is qualified to replace any parts of the product. Only qualified technicians should repair the mixer. Any maintenance and repairs carried out, to any of the electric components must be undertaken by a qualified electrician.



Parts in a circle should only be I fitted by a qualified electrician.

WIRING DIAGRAM

