



SKUTT

POTTERS WHEELS

Thomas Stuart Signature Series

Assembly and Maintenance Manual



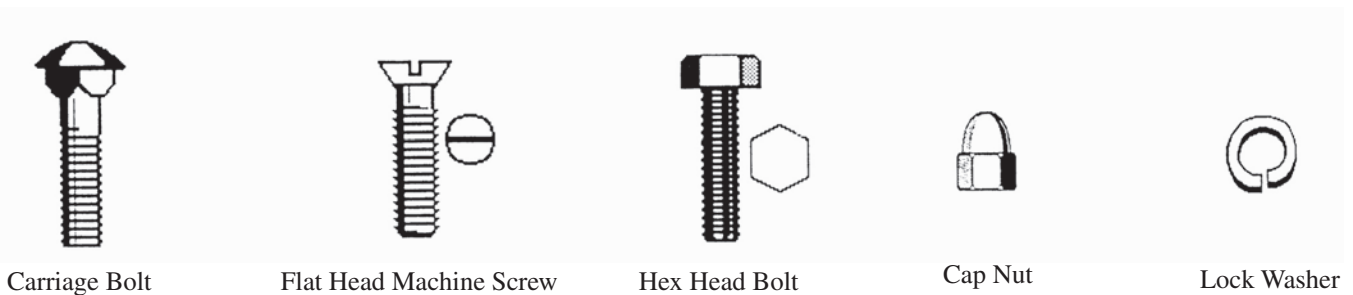
Assembly

Damaged cartons generally mean damaged contents. Refuse any shipment where there is major damage to the contents or before you sign have the delivery person make a full description of breakage or damage on both copies of the freight bill. Be sure to uncrate your wheel as soon as possible. You have only 15 days to file a claim for concealed damage. In case of concealed damage discovered during unpacking, save all cartons and packing materials. Contact the carrier immediately and make an appointment for an inspection.

Read the inspection report and enter all pertinent information or objections before signing. You will keep one copy of this. This is not a claim. The inspector will have claim forms for you. These must be filled out and sent to the delivery carrier within 15 days of delivery.

We recommend you save the shipping containers in case you should ever have to return the wheel for service.

Packing List



Carriage Bolt

Flat Head Machine Screw

Hex Head Bolt

Cap Nut

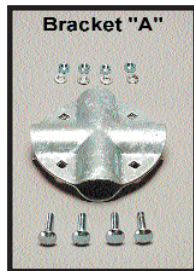
Lock Washer

1	Piece 1 Double Bend Side Piece	1	Seat Locking Handle
1	Piece 2 - Single Bend Seat Post	4	Cast Iron Seat Wedges
2	Piece 2 Foot Rests	4	5/16" x 1-1/4" Hex head Bolts
1	Piece 4 - Inner Seat Post	4	5/16" x 1-1/4" Carriage Bolt
2	Bracket A	6	5/16" x 2-1/4" Carriage Bolt
4	Bracket B	2	5/16" x 2-3/4" Flat Head Machine Screw
2	Bracket C	1	5/16" x 3-1/2" Flat Head Machine Screw
1	Table Top	2	5/16" x 2" Flat Head Machine Screw
1	Seat	4	5/16" Lock Washer
1	Table Angle Iron	12	5/16" Flat Washer
1	Wheel Head	4	5/16" Cap Nuts
1	Shaft	2	5/16" Wing Nuts
1	Flywheel	17	5/16" Hex Nuts
1	Upper Bearing	2	Bat Pins & Bat Pin Wing Nuts
1	Lower Bearing		

Assembly

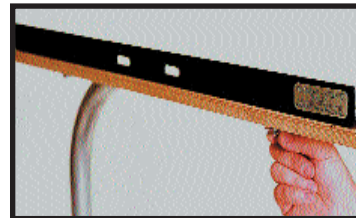
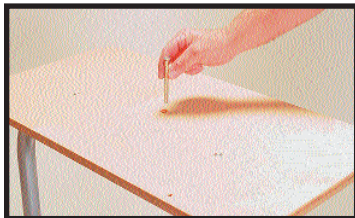
Kick Wheel Assembly

1. With Bracket A and the 4 smallest carriage bolts provided, bolt pieces 1 & 2 snugly together (do not over tighten). Turn these pieces upside down for easy access to the nuts. Use lock washers on the nut end of the bolts (see figure 1). For proper positioning of Bracket A, temporarily hold the foot rests (Piece 3) between the straight seat post on Piece 2, and the sides on Piece 1, allowing 1/2" additional space between the end of the foot rest and Piece 1 (see figure 2).



2. Thomas Stuart's design features a unique system for leveling its frame to uneven floors. By pushing the 2 sides of Piece 1 closer to each other before tightening Bracket A, you will eliminate the frame from rocking side to side. By pulling these 2 sides apart, you will eliminate any rocking from front to back.

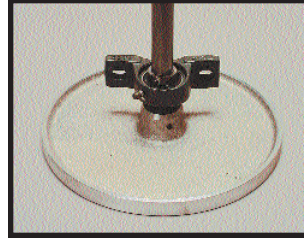
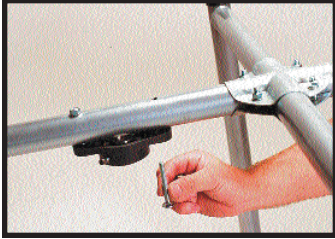
3. After positioning, tighten the nuts on Bracket A securely. Small wood pieces may have to be placed under the legs on floors of extreme unevenness.



4. Using the 3 flat head machine screws provided, attach the table top (with the counter sunk hole facing up) first to the holes in Piece 1, then the long screw in the front leg of Piece 2 (see figure 3). The front leg of Piece 2 will be slightly shorter in height than Piece 1. Only hand tighten the screw that inserts through the front leg. This is the only bolt that does not have to be tightened all the way. It should only be tightened enough to make the table tilt slightly away from the potter using the wheel.

Assembly

5. Using 2 of the smallest hex head bolts provided, attach the angle iron to the top of the table with the name plate on the right hand side (see figure 3). Use 2 flat washers under the table before placing the nuts on the bolts.



6. Attach the lower bearing to the bottom bearing bar of Piece 2 using the 2 longest carriage bolt (see figure 4).

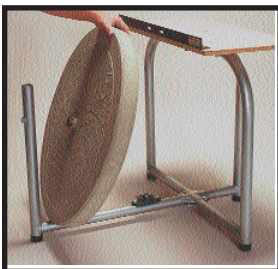
7. Place the shaft in the wheel head and tighten securely (see figure 4). You may find it necessary to place the wheel head upside down on a piece of cardboard, and with a piece of wood on the end of the shaft, tap the wood gently with a hammer until the shaft properly fits in the wheel head.

DO NOT HAMMER DIRECTLY ON THE SHAFT OR WHEEL HEAD. DO NOT FILE OR POUND ON THE SHAFT. IT IS MACHINED TO FIT THE WHEEL HEAD EXACTLY.

All our wheel heads have been partially drilled from the bottom for 10" bat pins. To use these holes, you must complete the hole with a 1/4" drill bit.

8. Place the shaft in the lower bearing.

9. Align the shaft in a vertical position and remove it from the lower bearing. Both bearings used on the Thomas Stuart wheel are floating bearings. While the bearing housing remains bolted securely to the wheel frame, the inner bearing will move in any direction (float) so that both bearings will align with each other.

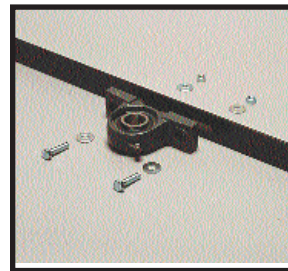
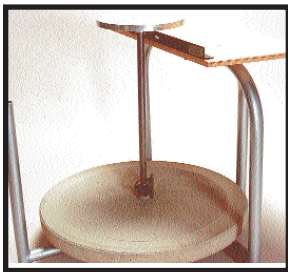


Assembly

10. Place the flywheel on top of the lower bearing (see figure 4). Look through the hole in the center of the flywheel to see that the flywheel is positioned directly on top of the bearing.

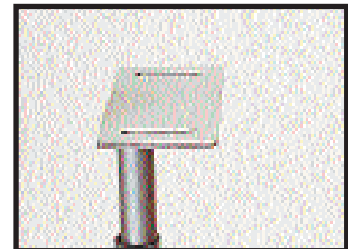
11. Slide the upper bearing on the shaft with the set screws on the bottom side.

12. Slide the shaft through the flywheel, then the lower bearing making sure it slides into the lower bearing. **CAUTION: IF THE SHAFT DOES NOT SLIDE THROUGH AND SIT PROPERLY, REMOVE AND REPEAT INSTRUCTIONS FROM STEP 8.** Make sure the shaft is all the way through the bottom bearing but not pushed so far as to rub on the bottom bearing bar. If the shaft is not all the way through the bearing, the flywheel will move sideways and make a knocking sound. If the shaft touches the bottom bearing bar, the wheel will make a heaving motion. You might have to look under the flywheel between the bearing and lower pipe to make sure the bottom of the shaft is visible, but not touching the bottom pipe.



13. Using 4 flat washers, attach the upper bearing to the angle iron in this order -- bolt, washer, bearing, angle iron, washer, and nut.

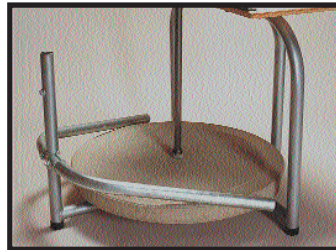
14. Tighten the set screws on the flywheel securely.



15. Attach the wood seat to the inner seat post with the 2 short flat head machine screws and wing nuts. Four wedges are provided if you wish to have the seat tilt slightly forward. Use 2 wedges between the wood and the metal plate, and 2 wedges under the metal plate to allow the wing nut to tighten firmly against the wedge at the correct angle (see figure 3).

Assembly

16. Insert the inner seat post (Piece 4) into the outer seat post. Secure it at the proper height with the locking handle tightened firmly. This piece may be rotated 180 degrees to give you more or less space for your legs.



17. Assemble the foot rests into Bracket C on the outer seat post of Piece 2 using 2 carriage bolts, 2 washers, and 2 nuts. The carriage bolts should go thru the bracket so that you are tightening the nuts on the outside area of the pipe frame. Do not completely tighten this bracket until the other ends are in place. Set the other ends of the foot rests in Bracket B attached to the sides of Piece 1 with the remaining carriage bolts, washers, and nuts. (Make sure the bolts point away from the center of the wheel so no one is injured if they happen to slip while using the wheel.) Do not over tighten. Before tightening, make sure that there is adequate space (approximately 2" - 3") between the foot rests and the flywheel. When all of the Brackets are set, place the 4 cap nuts on the ends. Do not over tighten.



18. After completely assembling the wheel, clean the footrests (Piece 3). Completely remove all oily substances. Let this dry completely. Without touching the back, remove paper backing from the skid-proof strips. Place on footrests. Avoid air bubbles and rub strips for a few minutes to guarantee good adhesion. Temperature must be at least 65 degrees Fahrenheit.

19. Tighten the two set screws on the bottom bearing. This might be easier by tilting the wheel forward so that the front edge of the table top touches the floor.

20. The splash pan fits both a 12" work head or a 14" work head. The Thomas Stuart splash pan has exclusive mounting clips that slip over the table angle iron. The wheel head should be high enough only to allow the clips on the splash pan to pass over the hook onto the steel angle.

Assembly

21. To prevent the shaft from rusting, apply a light coat of vegetable or motor oil.

22. If you need to dismantle your kick wheel at anytime, we recommend you do not remove the wheel head from the shaft. When you tighten the set screws on the wheel head to the shaft, they make a slight indentation that will affect the trueness of the wheel head if it is removed.

Maintenance

1. The bearings come pre-lubricated and do not need to be greased until they begin to squeak. This is usually necessary every four or five years of average studio use. Be careful not to over lubricate the bearings.
2. Re-coat the wooden surfaces as needed with a gloss marine varnish available at most hardware stores.

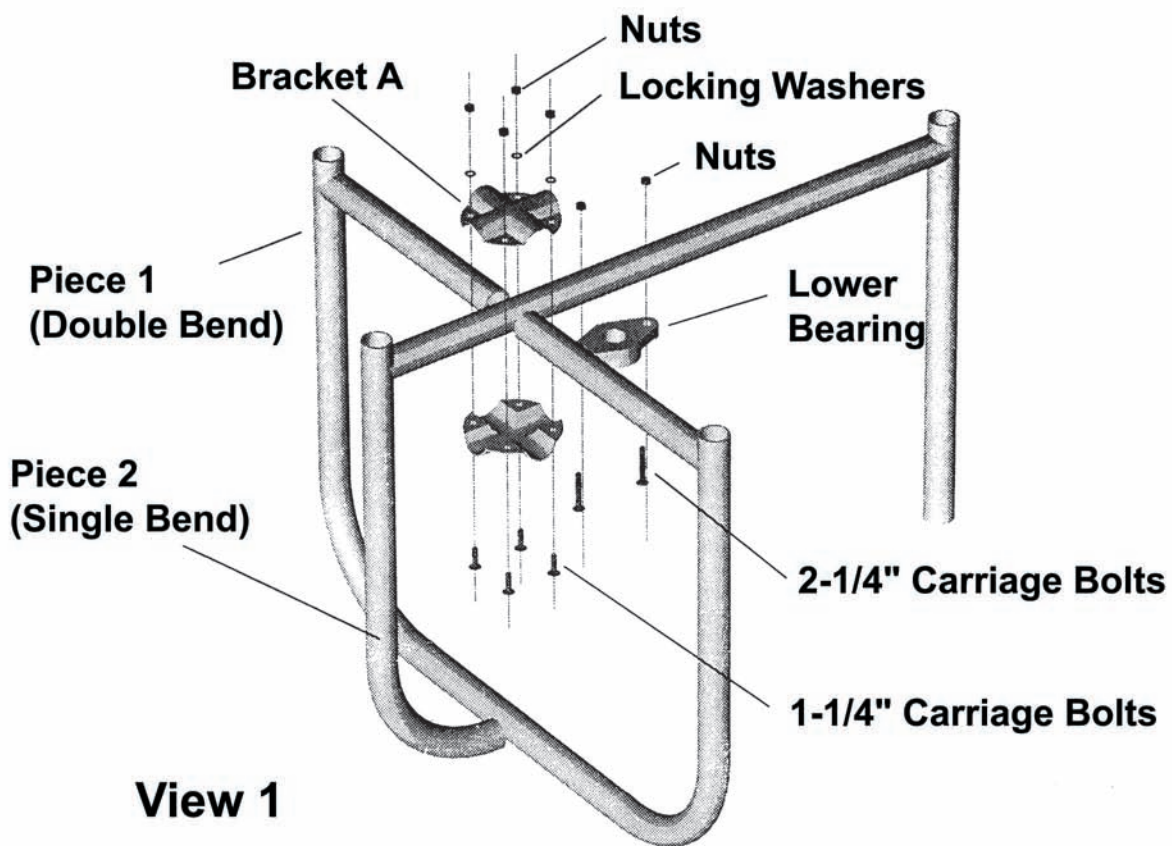
Warranty

Skutt Ceramic Products, Inc. warrants this wheel to be free from defects in both materials and workmanship for a period of 4 years from the date of purchase. Rental use is excluded. This warranty is void if this wheel has been misused, abused or damaged by accident or neglect or repaired or modified by anyone other than Skutt or our specifically authorized agent.

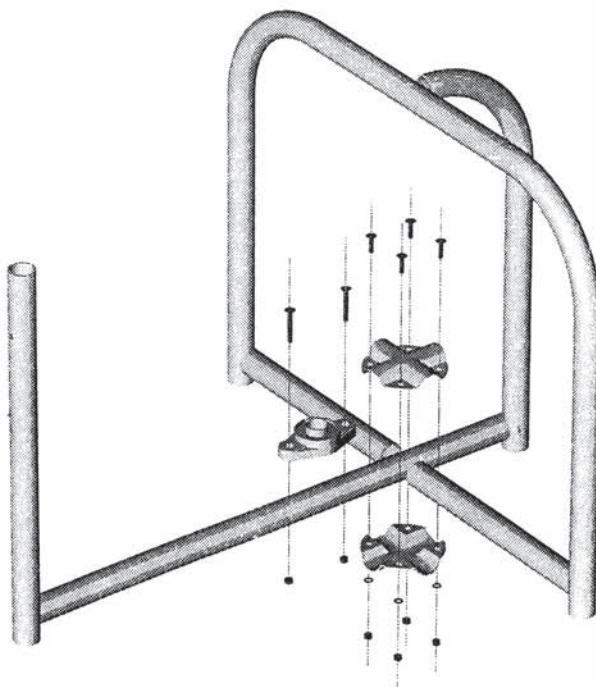
For repairs this wheel must be packed and returned to Skutt via insured freight by the customer at their expense. The repaired wheel will be returned freight collect. The customer is responsible for all freight charges to and from Skutt.

This warranty is limited to the original purchaser and is not transferable. This warranty expires on the fourth anniversary of the shipment date. This warranty is exclusive and is in lieu of all other warranties, expressed or implied, including without limitation, warranties or merchantability and fitness for particular purpose, all other representations to the first user purchase and all other obligations or liabilities, including liability for incidental and consequential damages. Skutt Ceramic Product, Inc. liability in all cases is limited to the replacement price of its product. This warranty gives you specific rights. You may also have other rights which may vary from state to state.

Illustrations



View 1

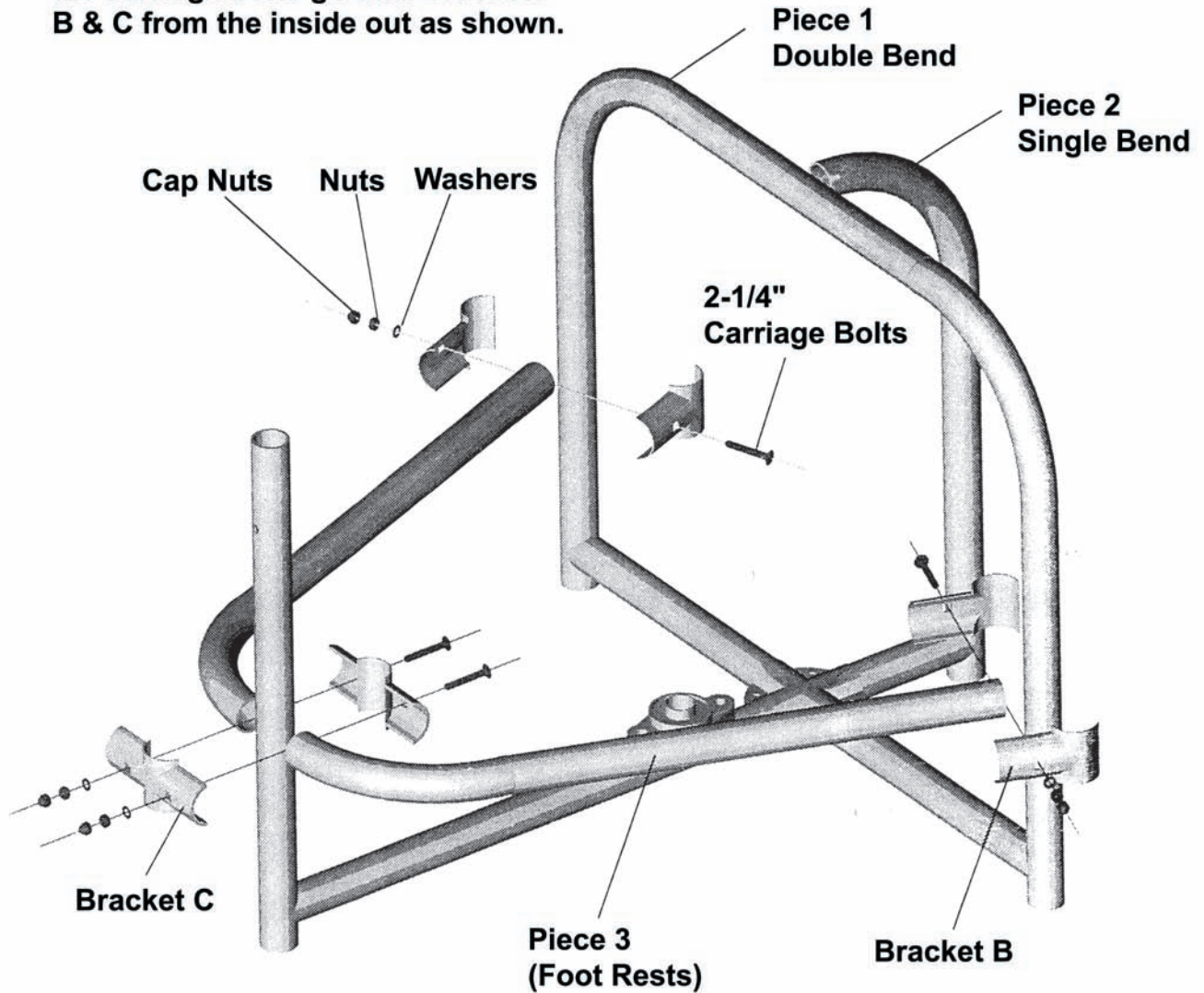


View 2

Figure 1

Illustrations

Special Note: It is important that the carriage bolts go thru Brackets B & C from the inside out as shown.



This figure shows you how to set the spacing for piece 1 & 2. The foot rests (piece 3) do not attach at this point.

Figure 2

Illustrations

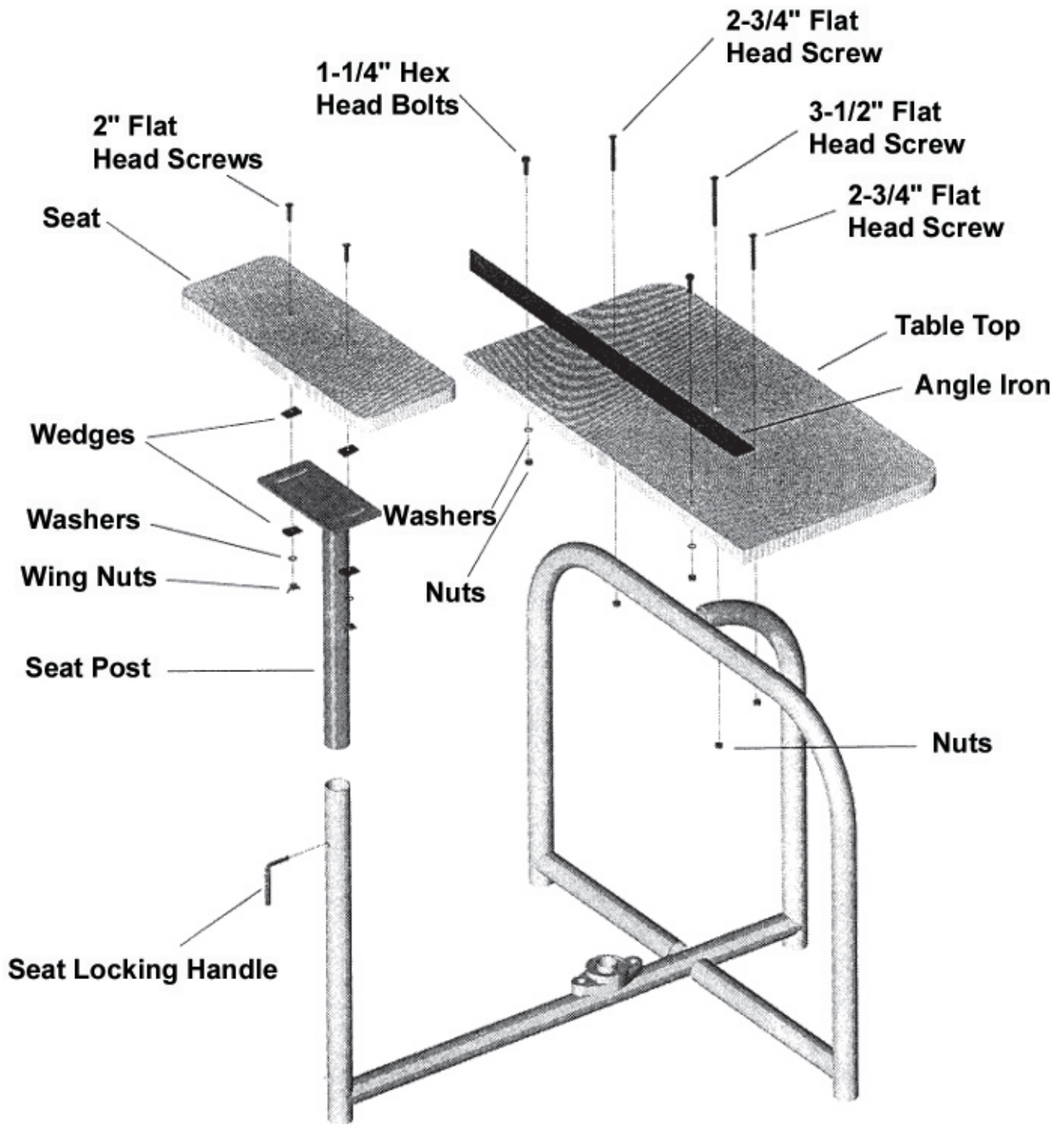


Figure 3

Illustrations

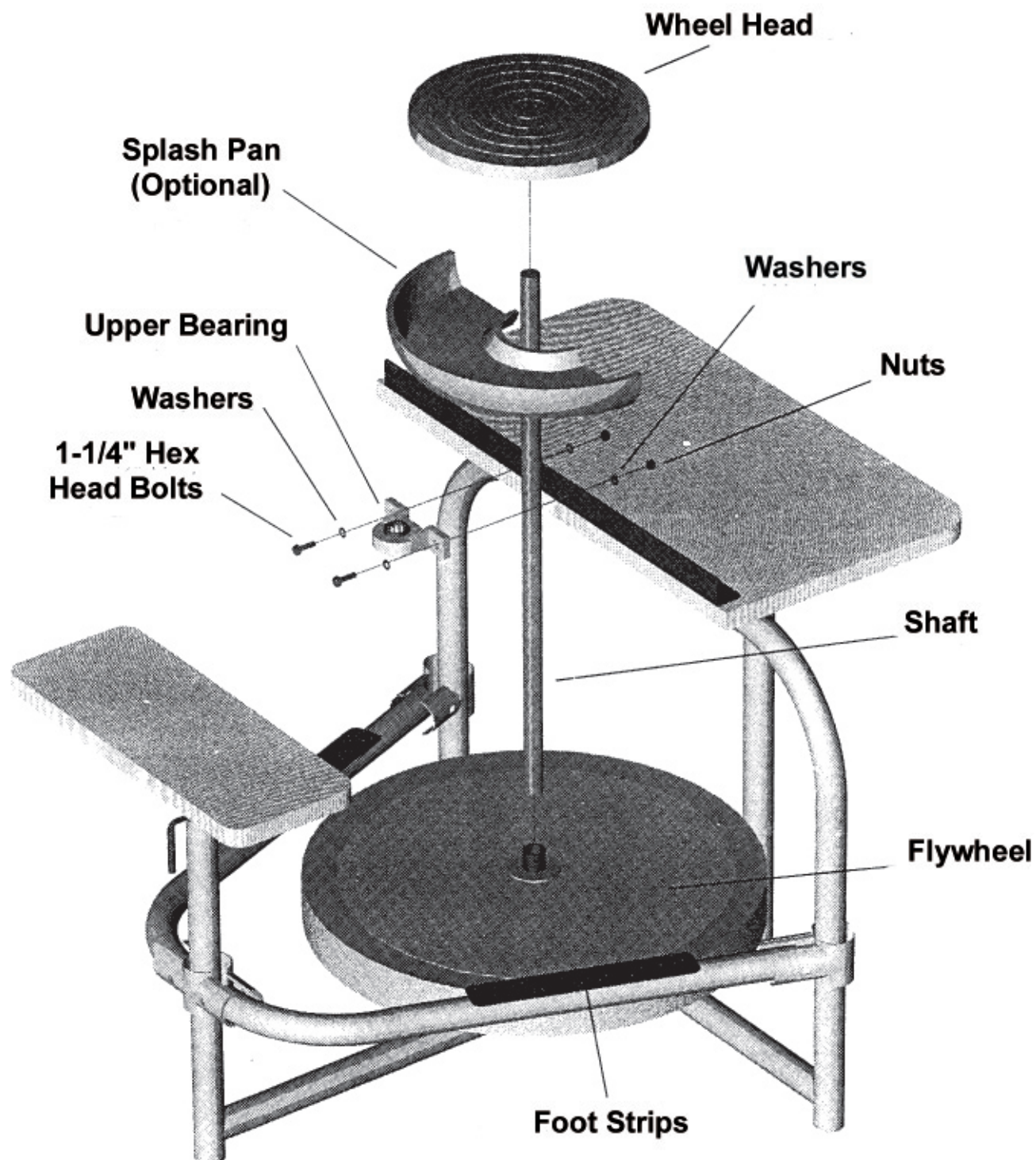


Figure 4