



**ursa**

ursawagon.com  
866-877-2744  
ONE HAND. ONE WAGON.

# OWNER'S MANUAL

## URSA WAGON



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## WELCOME TO URSA!

















We're often asked how we came up with the idea for the Ursa Wagon. It was born out of frustration and the conviction that there must be a better way. Envisioning an ideal tool, we prepared a wish list of features and capabilities. Then we embarked on a three year journey to make our wishes come true. It turned out so well, we decided to share it with others.

Now you (and we) have a better way to do so many different things — from everyday tasks like gardening to bringing feed out to your Triple Crown winner!

Check our web site at [ursawagon.com](http://ursawagon.com) to see some of our customers' creative uses for the Ursa Wagon. And relax. Your life just got easier.



# CAUTIONS AND WARNINGS

-  Keep small parts, hardware and plastic bags out of children's reach.
-  Never carry passengers - designed for material only.
-  Check unit before each use for loose hardware and/or excessive wear.
-  Be careful on any grade or hill. Stay off steep grades and never use on slick surfaces.
-  Always brace wheels and use caution when loading, dumping or parking.
-  Do not load beyond your capacity to control and never exceed a load of 500 lb.
-  Always lower and latch Sled before moving.
-  Wear shoes which provide good traction.
-  Use extreme caution on uneven terrain.
-  Avoid large holes, ditches or curbs.
-  Keep hands, fingers and other body parts away from moving parts.
-  Towing speed should not exceed 10 mph.
-  Never use on public roads.
-  Never use on water.
-  To reduce risk of back injury when loading, keep back straight, bend knees and lift with legs.
-  Do not let children play on or around unit. Do not store where unit is an attractive nuisance.

# ASSEMBLY PREPARATION

We, Janet and Jim, creators of the Ursa Wagon, thank you for joining the Ursa family. Soon you will have the *better* way to handle more tasks than you can imagine.

Even if you don't like to read instructions (like Janet), don't let the length and detail of these instructions put you off. We tried to make them both clear and comprehensive. By following them step by step (like Jim *always* does), the assembly will be quick and painless.

## TOOLS NEEDED

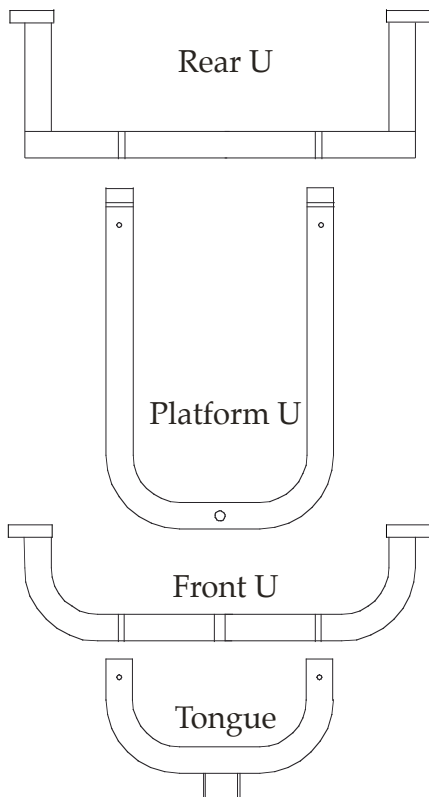
- Gather 2 Pliers/ Adjustable Wrenches, Mallet, #2 Phillips Screwdriver, Grease, Masking or Cellophane Tape, and, if you have a Turf or ThornBuster Wagon, a Grease Gun.
- The assembly will be easier and faster if you have some or all of these tools: 7/16", 1/2", 9/16" and 3/4" Crescent Wrenches or Sockets.

- We have listed the suggested tools and needed hardware at the beginning of each step.

## UNPACKING

Find and remove the Full Size Hardware Chart/Chassis Parts Diagram from the center of this manual. Locate the Hardware Package and then arrange the tubular Chassis sections on the floor in the order shown to the left.

Note: The Front U is rounded and has three holes through it, the Rear U is squared off and has only two.



# FRAME ASSEMBLY

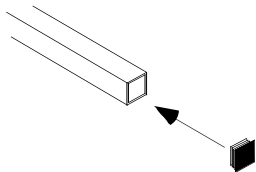
## HARDWARE PACKAGE CONTENTS

7	Cap Plugs	
2	Vinyl Sleeves	1 Grip
1	Latch Bracket	1 Wire Latch
2	Nylon Spacers	2" x 1 1/4" ID
2	Inner Nylon Spacers	1 1/2" x 7/8" ID
3	Steel Spacers	2 1/4" x 1 1/4" ID
1	Bronze Bushing	3/4" x 1/2" ID
4	Axle Bolts	5/8" x 6"
4	Lock Nuts	5/8"
1	Pivot Bolt	1/2" x 4"
1	Lock Nut	1/2"
2	Rear Frame Bolts	3/8" x 3 1/2"
3	Swivel Bolts	3/8" x 2 1/2"
10	Washers	3/8"
6	Nylon Washers	3/8"
5	Lock Nuts	3/8"
1	Handle Bolt	5/16" x 6"
2	Carriage Bolts	5/16" x 3"
4	Washers	5/16"
4	Lock Nuts	5/16"
2	Latch Bolts	1/4" x 3/4"
6	Hinge Plate Bolts	1/4" x 3/4"
2	Stainless Washers	1/4"
8	Lock Nuts	1/4"

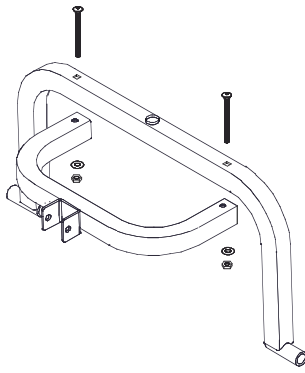
## STEP ONE (MALLET)

### Hardware:

#### (7) Cap Plugs



Let's start with an easy warm up. Tap the Cap Plugs into the square tube ends of the Handle, the Tongue, the Platform U and the Rear U.



## STEP TWO (ONE 1/2" TOOL, Mallet)

### Hardware:

(2) Carriage Bolts

(2) 5/16" Washers

(2) 5/16" Lock Nuts

Attach the Tongue to the Front U using the two Carriage Bolts, Washers and Lock Nuts. The Tongue is bolted under the Front U.

NOTE: align the square part of the Carriage Bolt to the square holes in the Front U and tap in. Tighten firmly.

## STEP THREE (TWO 9/16" TOOLS)

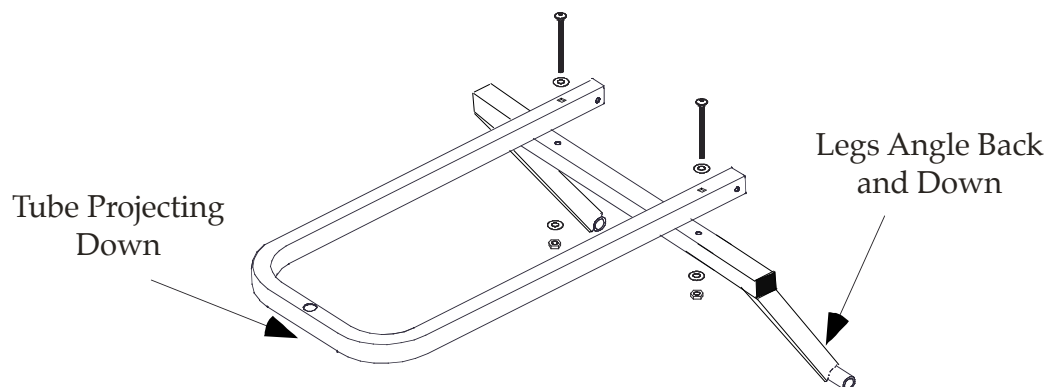
### Hardware:

(2) Rear Frame Bolts

(4) 3/8" Washers

(2) 3/8" Lock Nuts

Attach the Platform U to the Rear U using the Rear Frame Bolts, Washers and Lock Nuts. NOTE: you need to pay close attention to the orientation of the Platform U and Rear U.



1. The **Platform U** needs the bigger section of tube protruding out the front hole to point down.
2. The legs of the **Rear U** need to angle back and down.

You will need to put one Bolt in and compress the Platform to fit the Second Bolt. Tighten firmly.

## STEP FOUR (TWO 3/4" TOOLS, GREASE)

### Hardware:

(8) Nylon Spacers

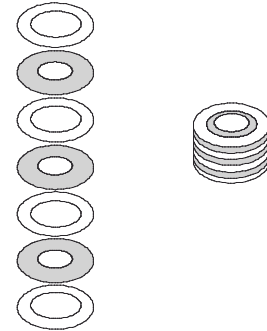
(3) Steel Spacers

(1) Pivot Bolt

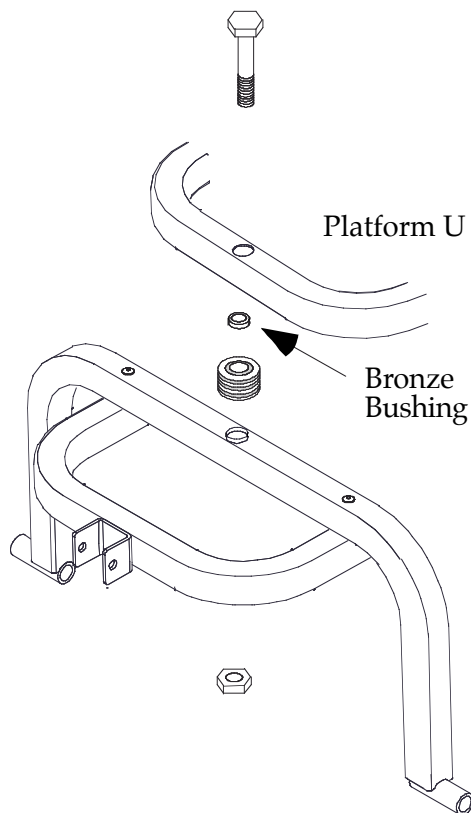
(1) Bronze Bushing

(1) 1/2" Lock Nut

Now it is time to attach the two sub-assemblies. First, make a Spacer "Sandwich" of the Spacers. Begin with a Nylon Spacer, then stack on top of it a Steel Spacer, then a Nylon Spacer, another Steel Spacer, another Nylon Spacer, the last Steel Spacer and, finally, the fourth Nylon Spacer. Whew!



Next, grease the Pivot Bolt shaft and then slide the Bolt through the hole in the front of the Platform U. Once through the Platform U, slide the Bronze Bushing onto the Pivot Bolt followed by your Spacer Sandwich. Continue on through the Front U. Once the Bolt is through the Front U finish off with the 1/2" Lock Nut.



Before tightening the Lock Nut, ensure that the Bronze Bushing and Spacer Sandwich are lying flat with no gaps. Then tighten the Lock Nut enough so that there is no play between the Front U and Platform U but not so tight that it is difficult to rotate the Front U.

Congratulations, the hard part is done! May we suggest a beverage of your choice to celebrate?

## STEP FIVE (TWO 9/16" TOOLS, TAPE)

### Hardware:

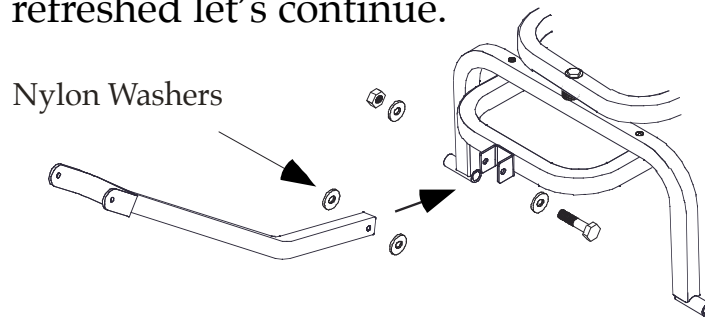
(3) Swivel Bolts

(6) 3/8" Nylon Washers

(6) 3/8" Steel Washers

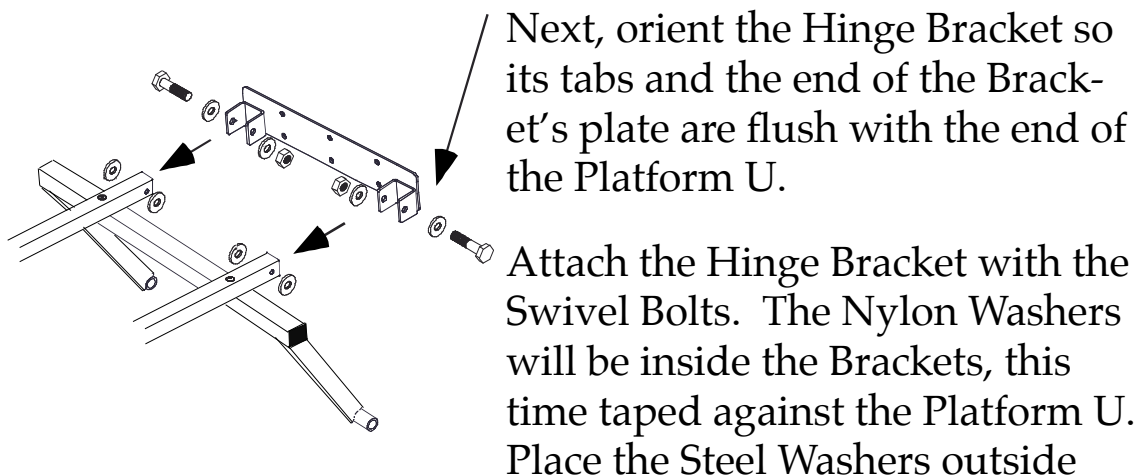
(3) 3/8" Lock Nuts

Now that you are refreshed let's continue.



NOTE: you may need to partially push the Cap Plugs out to allow the Swivel Bolts to get through the Frame pieces. If so, when done with the assembly tap them back in.

Use the Tape to attach the two Nylon Washers to the Handle as shown, keeping the hole in the Washer open. Slide the Handle into the Swivel Bracket on the Tongue. Use a Swivel Bolt, two Steel Washers and a Lock Nut to attach. Remove the Tape. Tighten to either allow the Handle to freely move or to maintain a given position.



Attach the Hinge Bracket with the Swivel Bolts. The Nylon Washers will be inside the Brackets, this time taped against the Platform U. Place the Steel Washers outside the Hinge Bracket and finish off with the Lock Nuts. Remove the Tape and then tighten the Lock Nuts, being careful to allow the Hinge Bracket to pivot easily.



## **STEP SIX (TWO 1/2" TOOLS)**

**Hardware:**

**(2) Vinyl Sleeves**

**(1) Grip**

**(1) Handle Bolt**

**(2) 5/16" Steel Washers**

**(1) 5/16" Lock Nut**

Slide the two Vinyl Sleeves over the ends of the Handle.



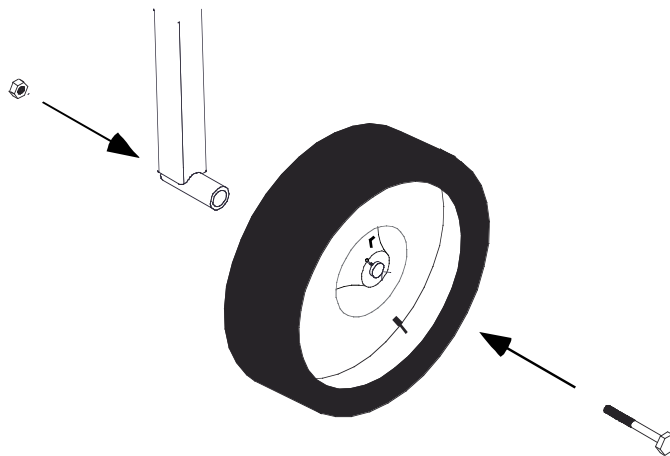
Then Mount the Grip using the Handle Bolt, Steel Washers and a 5/16" Lock Nut.

## **STEP SEVEN (TWO 15/16" TOOLS, Mallet, GREASE)**

**Hardware:**

**(4) Axles Bolts**

**(4) 5/8" Lock Nuts**



Take an Axle Bolt and, with the head of the Axle Bolt on the same side as the valve stem (if applicable), slide the threaded end through the hub in the Wheel (a little grease may help).

Next, slide the remaining part of the Axle Bolt through a tube at the end of a Front U or Rear U.

Thread the 5/8" Lock Nut on the end of the Axle Bolt and tighten the Nut until the Wheel is snug.

Check that the Wheel can still freely rotate by lifting the Wheel and spinning it. It should rotate easily and continue coasting after being spun.

If not, loosen the Lock Nut a 1/4 turn and try again. Repeat until there is a freely rotating Wheel and no significant side to side play in the Wheel.

DOUBLE CHECK that:

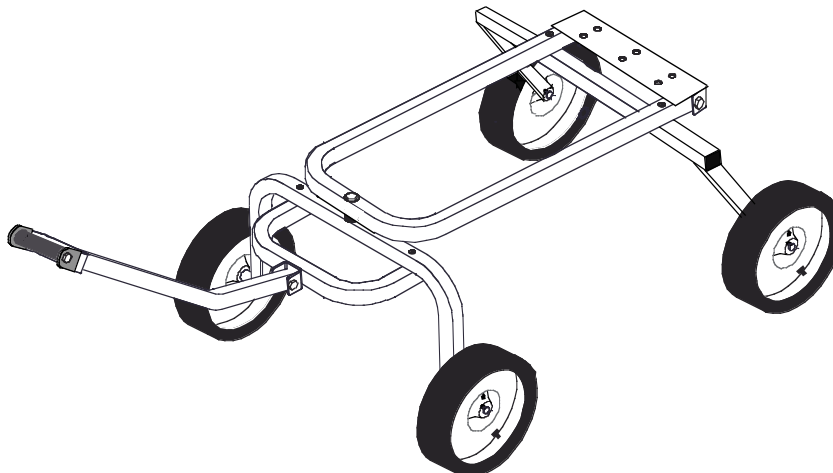
- The Wheel is on the OUTSIDE of the U.
- The Axle Bolt head is on the OUTSIDE of the Wheel
- The valve stem, if any, is on the OUTSIDE of the Wheel.

Repeat for the remaining three Wheels.

Locate the grease zerks, if any, and, using a grease gun, lubricate all four Wheels until grease comes out around the Axle Bolt. This may take up to 25 pumps per Wheel.

And, lastly, inflate tires, if required, to the pressure recommended on the tire wall.

Congratulations (again)! The Chassis is complete. Go ahead, pull it, turn it, impress your friends / spouse / significant other / children (if they aren't teenagers) with your assembly prowess.



# SLED ASSEMBLY

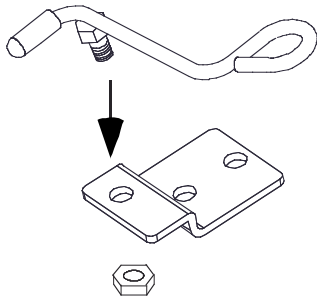
## STEP ONE (ONE 1/2" TOOL)

**Hardware:**

**(1) Wire Latch**

**(1) 5/16" Lock Nut**

**(1) Latch Bracket**



Slide the threaded portion of the Wire Latch through the hole on the raised portion of the Latch Bracket, noting that the Wire Latch will end up above the raised level. Secure with the Lock Nut but not so tight that it keeps the Wire Latch from rotating.

## STEP TWO (TWO 7/16" TOOLS)

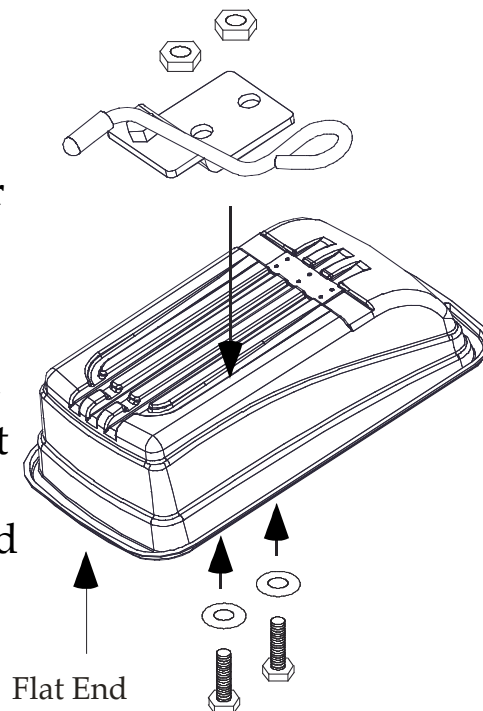
**Hardware:**

**(2) Latch Bolts**

**(2) 1/4" Washers**

**(2) 1/4" Lock Nuts**

Locate the pair of holes drilled in the Sled floor near the Sled's Flat End. Turn the Sled on its side so these holes are easily accessible. Take a Latch Bolt with 1/4" Washer and thread it through the Sled so the Bolt Head and Washer are on the inside of the Sled. Place the Latch Bracket on the Bolt, positioning the raised section of the Bracket (where the Wire Latch is attached) toward the Flat End of the Sled, and hand tighten a Lock Nut. Repeat with the other Bolt, Washer and Lock Nut. Then tighten snugly.



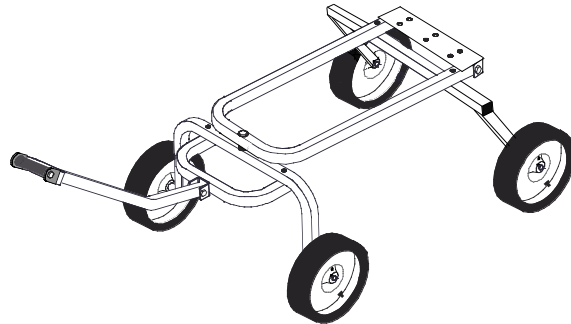
## STEP THREE (ONE 7/16" TOOL, ONE #2 PHILIPS TOOL)

Hardware:

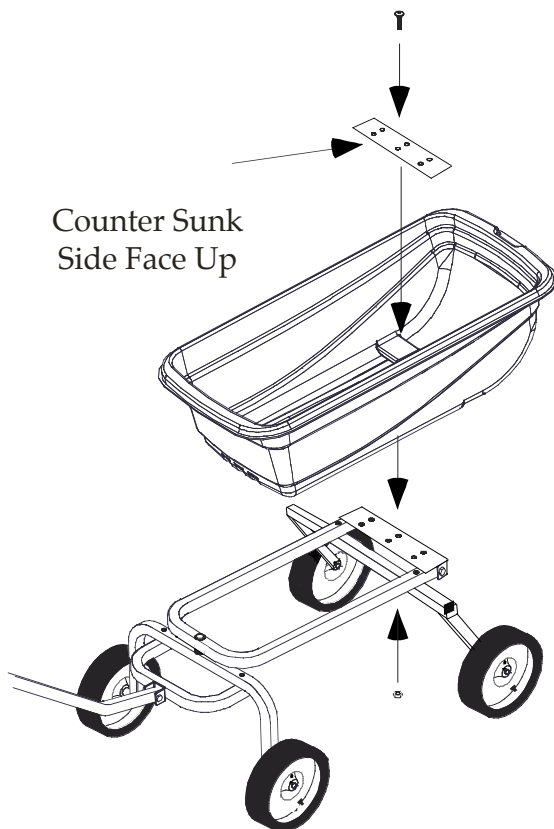
(6) Hinge Plate Bolts

(6) 1/4" Lock Nuts

Return to the Chassis and rotate the Hinge Bracket so it is parallel to the ground and over the Platform U.



Rotate the Wire Latch you mounted on the Sled so that it is in the unlocked position (the loop will be projecting out from under the Sled and the portion with the plastic tip will be parallel to the Sled). Place the Sled on the Chassis, making sure that the six remaining holes in the Sled floor line up with the holes in the Hinge Bracket.



Next, place the stainless Hinge Plate over the holes in the base of the Sled, making sure that the countersunk side faces up. The countersinking allows the heads of the Hinge Plate Bolts to be flush with the Hinge Plate.

Slide the Hinge Plate Bolts through the Hinge Plate, Sled and then the Hinge Bracket. Hand tighten the Lock Nuts.

Finally, snugly tighten the Lock Nuts.

Congratulations -- you're done!

# USE

## DUMPING



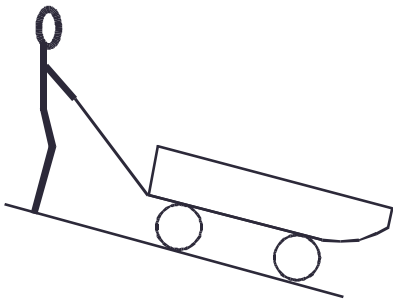
Chock the wheels. Rotate the Wire Latch so it is unlocked. Place your hands under the lip on the Flat End of the Sled. This lip will allow you to easily pivot the Sled upwards, dumping the contents. The Pointed End of the Sled will touch the ground when it is in the full dump position.

For easiest dumping, load your cargo with a bias toward the rear of the Wagon (i.e. the Pointed End of the Sled).

The Sled can also be partially dumped by nesting the Grip inside the lip on the Flat End of the Sled.

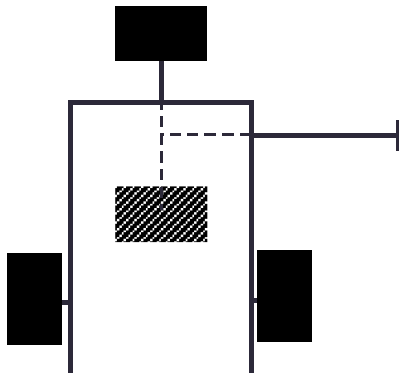
When done dumping, return the Sled to the down position and re-latch.

## HILLS



When going downhill, let the Ursa Wagon lead. You can easily make S curves across the hill to go at a safe pace.

## PARKING



When leaving the Wagon unattended, in addition to chocking the rear wheels, you should turn the front wheels 90° to the side.

# MAINTENANCE

## MONTHLY

Inspect and tighten or replace all Bolts as necessary.

## ANNUALLY

Re-grease the Pivot Bolt shaft, Bronze Bushing and Steel Spacers to keep them turning easily.

Use a grease gun and grease the zerks on all four Wheels until grease comes out the rim around the Axle.

# URSA, INC. WARRANTY

Ursa, Inc. uses the finest materials and workmanship for our products. All Ursa, Inc. products are warranted against defects in materials or workmanship for five years. Although all Ursa, Inc. products are extremely strong, they are not indestructible. Therefore, our warranty does not cover defects attributable to or resulting from normal wear and tear, natural hazard damage (e.g. ultra violet (u.v.) damage), lack of reasonable and proper maintenance, accident, abuse or alteration.

Service under our warranty is available by contacting our customer service department at [support@ursawagon.com](mailto:support@ursawagon.com) or toll-free at 866-877-2744 for return authorization. If after inspection we determine that the product was defective, we will repair or replace it free of charge. If your Ursa, Inc. product needs service or repair that is not covered under warranty we will provide the necessary service at a reasonable charge.

**URSA, INC.  
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# WHAT DOES URSA MEAN?

Finding the right name for a product as revolutionary as the Ursa Wagon was a surprisingly difficult thing to do.

First we considered names of animals, geographical formations, and mythology to name a few, but ultimately rejected these names because they were not as unique as our wagon. Then while riding in a car on a snowy night it came to us.

We had begun talking about our wagon and how it reminded us of the Big Dipper. We noted that the Big Dipper even dumps as it revolves around the North Star. The similarities were too uncanny to ignore. So we did a little research into the constellation and turned up an interesting fact: we were not the only ones who saw a resemblance between the Big Dipper and a wagon.

In China and many countries throughout Northern Europe, the Big Dipper, known scientifically as Ursa Major, is called the "Great Wagon." It was a sign, literally, from above. We agreed on "Ursa" instantly. And so Ursa it is. We even incorporated the Great Wagon of the sky into our logo. You could say now that Ursa is the Great Wagon on earth. At least, that's what we like to think.

## GIVE US A SHOUT!

What you think matters. We value our customers' input, so please send us your comments at [support@ursawagon.com](mailto:support@ursawagon.com).

Thanks again for buying an Ursa Wagon!



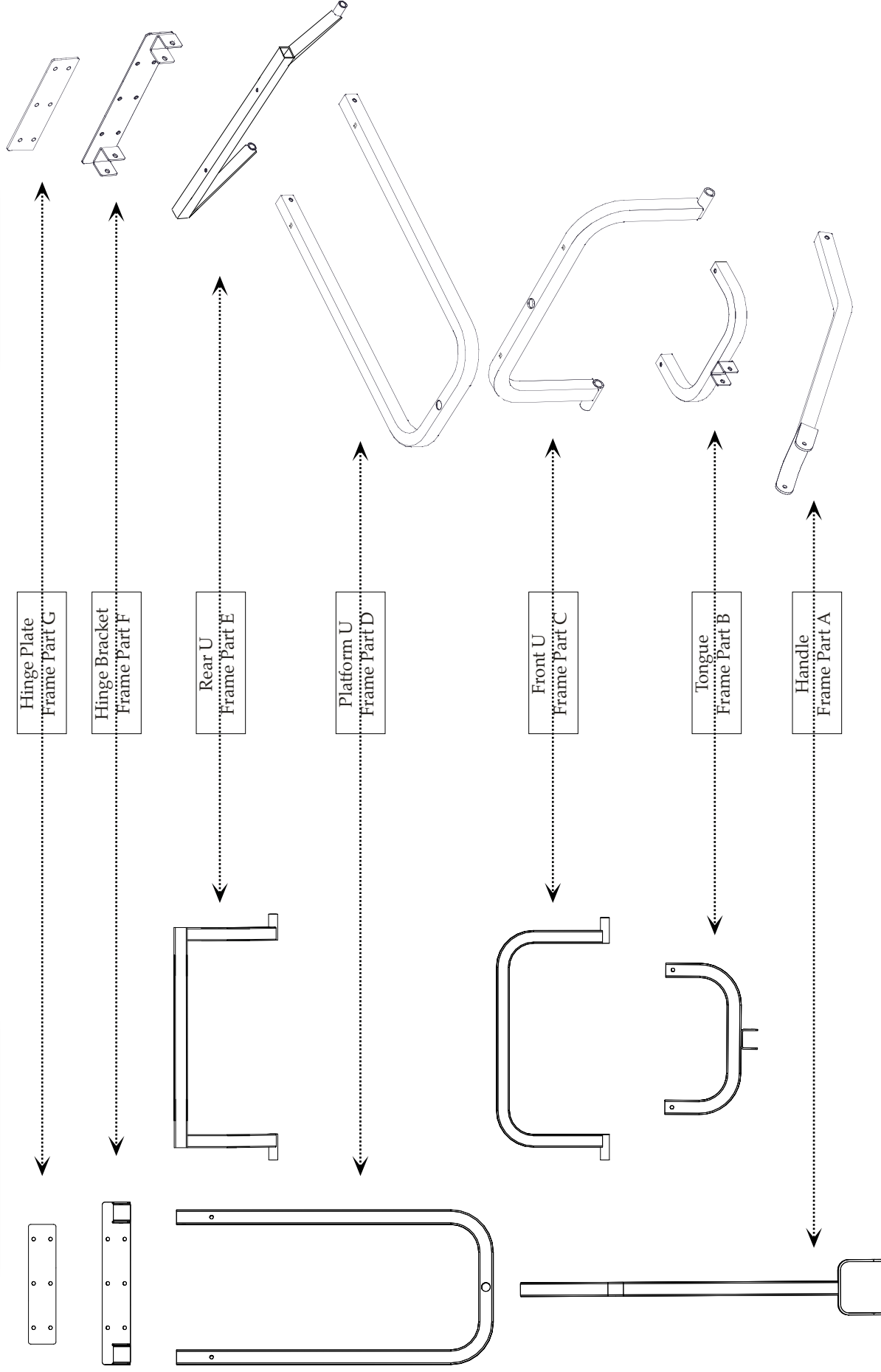
**PROUDLY DESIGNED AND  
MANUFACTURED  
IN MINNESOTA, USA**



# CHASSIS PARTS - URSA WAGON

Head on View

3/4 View



# FULL SIZE HARDWARE CHART - URSA WAGON

Latch Bracket (1)	5/16" Lock Nut (4)	5/8" Lock Nut (4)	3/8" Nylon Washer (6)	3/8" Lock Nut (5)	Inner Nylon Spacer (2)	Nylon Spacer (2)	Steel Spacer (3)	Axle Bolt (4)
1/4" Lock Nut (8)	5/16" Washer (4)	1/2" Lock Nut (1)	Bronze Bushing (1)	3/8" Steel Washer (10)				
1/4" Stainless Washer (2)	Hinge Plate Bolt (6)	Cap Plug (7)		Pivot Bolt (1)	Swivel Bolt (3)	Rear Frame Bolt (2)		
Latch Bolt (2)	Carriage Bolt (2)	Vinyl Sleeve (2)						