

# BUILDING AN INEXPENSIVE AND FUNCTIONAL BIKE BUCKET

portland  
BY cycle

Bike buckets are an economical and versatile option for carrying heavy or bulky items on your bike. And you can build one yourself with this step by step guide!

## PARTS



**Bucket** (1)



**Bucket hooks** (2)



**S-hook** (1)



**Screws for hooks\*** (4, 1/2" long)



**Screws for retainer\*** (6, 2-3/8" long)



**Lock nuts**  
(6, 4 for hooks, 2 for retainer)



**Washers for hooks**  
(6, 4 for hooks inside bucket,  
2 for retainer strap outside bucket)



**Bungee cord**



**Nylon strapping material**  
for retainer and carry strap



**OPTIONAL**  
**Thin bungee cord** (lid retainer)

## TOOLS

Drill with bits

Screwdriver

Pliers

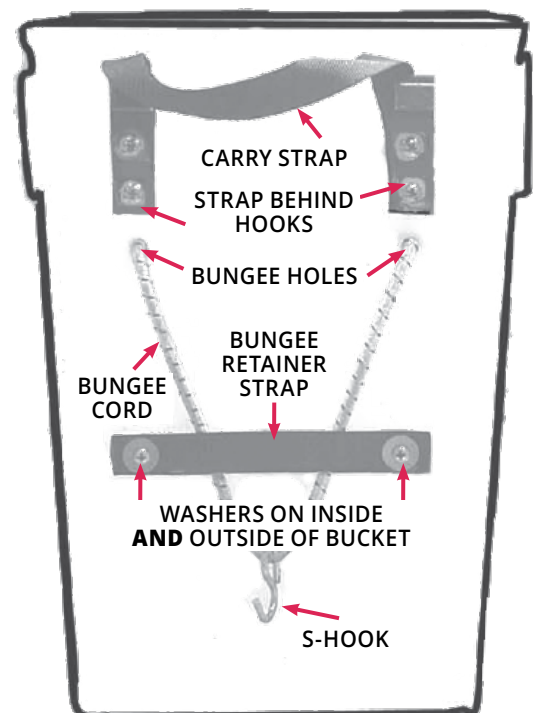
Adjustable wrench

Utility knife

## WHERE CAN I FIND THE PARTS OR A BUCKET?

The easiest way is to purchase a kit that has all the parts (except the bucket). Local business Sellwood Designs ([thebikebucket.com](http://thebikebucket.com)) sells kits — and they have buckets, too! Most of the parts can often be found at your neighborhood hardware store. The hooks are the hardest to find; they can be purchased online from [Jandd.com](http://Jandd.com), look under "bicycle gear — replacement hardware". Buckets can often be scavenged from delis, cafeterias, or some restaurants. Ask around!

WASHERS & NUTS ON **INSIDE** OF BUCKET



\*make sure screws will fit through washers and hooks!

ASSEMBLY INSTRUCTIONS ON NEXT PAGE →

# BUILD YOUR OWN BIKE BUCKET

- 1 Remove the plastic “lip” from the bucket (A) so the hooks can sit flush against the bucket surface. (Not all lips look like this one. Some are like B.) You can use a utility knife (very carefully!) to whittle it off.

Space bucket hooks about 5" apart (C) Using the hooks as a template, mark where to drill the holes.

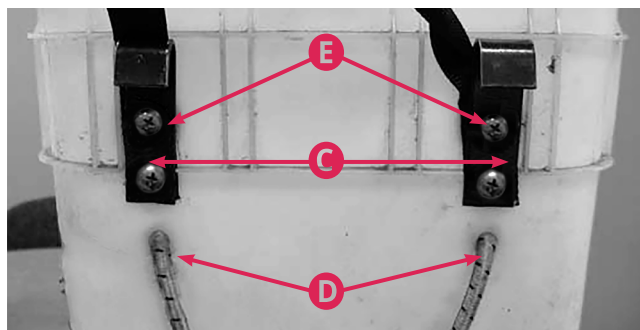
Drill the hook holes just big enough for the screws to pass through, then drill the holes about 2" below the bucket hooks (D) just big enough for the bungee. You will need different size drill bits.



OUTSIDE OF BUCKET

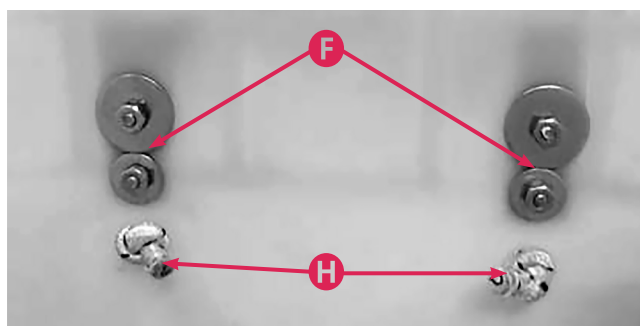
- 2 Cut holes in carry strap with the utility knife (careful again!) so they line up with the holes in bucket hooks. Install hooks, with bucket strap behind them (E), and put the screws through.

From the inside of the bucket install washers, then the nuts, onto the screws (F). Tighten the nuts securely so the hooks have absolutely NO wobble or play in them.



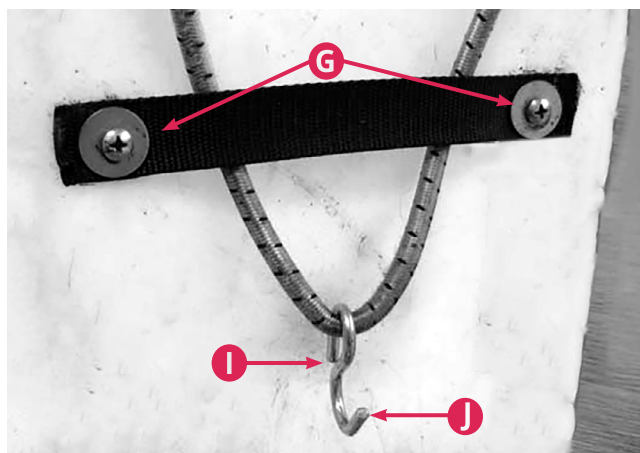
OUTSIDE OF BUCKET

- 3 Drill holes for the retainer strap about 5" below the upper bungee holes. Cut holes in the small retainer strap. Pass the shorter screws through the strap with the washers on the outside (G) — attach nuts on the inside.



INSIDE OF BUCKET

- 4 Insert bungee through the holes (D) and make a knot on the inside of the bucket (H). Loop bungee behind retainer strap, and crimp S-hook on to bungee (I) with pliers (this is kind of hard to do), with hook facing away (J) from bucket. You may need to bend hook (J) out so it grabs on to the bike rack more easily. Adjust bungee length so the hook tensions bucket on bike rack. Drill a couple of small holes near the top of the bucket (on the handle sides) and thread the mini-bungee through, knotting it on the inside. This will help to keep your lid on.



OUTSIDE OF BUCKET

For more information on bicycling, visit:

[portland.gov/bike](http://portland.gov/bike)

It is the policy of the City of Portland that no person shall be excluded from participation in, denied the benefits of, or be subjected to discrimination in any city program, service, or activity on the grounds of race, color, national origin, disability, or other protected class status. Adhering to Civil Rights Title VI and ADA Title II civil rights laws, the City of Portland ensures meaningful access to city programs, services, and activities by reasonably providing: translation and interpretation, modifications, accommodations, alternative formats, and auxiliary aids and services. To request these services, contact the Portland Bureau of Transportation at 503-823-5185, City TTY 503-823-6868, Relay Service: 711.



**PBOT**  
PORTLAND BUREAU OF TRANSPORTATION