

# "FLATSY" TRAILER OVERVIEW

COMPLETE FABRICATION MANUAL AVAILABLE BY REQUEST

bikecart@riseup.net  
details, photos, and fabrication manual at  
<http://bikecart.pedalpeople.com>

a 200 lb capacity bicycle trailer  
that's inexpensive and easy to build  
\$30 in parts, 5 to 10 hours to build



above: guards protect the load from the wheels. below, clockwise from right: jake measures the location for the dropout jig from the rear of the trailer. ben and jimmy test ride a new trailer. underside of the original "flatsy" trailer. the hitch is clamped to the left side of the bike's rear axle. the pulling arm is doubled and braced to the frame, and includes a skid.

## Material List

### Trailer Body (\$19)

- (4 lengths) 10' 1/2" thinwall EMT conduit
- (1) 3/16" X 1" bar, 9" per cart
- (1) 3/8"-16 X 2" long bolt
- (3) 3/8" -16 nut
- (1) 3/8"-16 wing nut
- (6) 3/4" self tapping screws or 1/2" EMT pipe straps

### Hitch (\$10)

- 1/4" rod (8" per cart)
- rod end ball joint (zinc plated, oiled bronze 3/8"-24)
- 3/8" - 24 nylon nut
- 3/8" threaded female coupler, 1 1/2" long (2 hitches)
- (uses 3/16" X 1" bar from trailer body)

### Jig for Dropouts (use for future carts) (\$4)

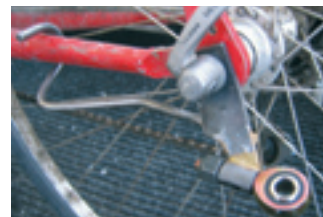
- (1) 3/8" -16 threaded rod, 3 feet long
- (8) 3/8" -16 nuts
- (8) 3/8" washers

**Miscellaneous and can be found for free**  
plywood for bed: 1/2" to 5/8" thick. 20" x 35"  
exterior enamel paint for metal and wood  
two 20" wheels, preferably front BMX wheels



## Tools

- 1/2" conduit bender
- hack saw
- tape measure
- marker
- punch (or nail)
- hammer
- vice
- 1/8" bit and 3/8" bit
- drill
- 8" half round file
- oxy-acetylene torch
- brass brazing rod, brazing flux
- goggles, and gloves
- bricks or flat metal surface



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