

MAKING UBUNTU-BLOX (RECYCLED BUILDING BLOCKS)



UBUNTU INFO PART 2

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Ubuntu is an African word with a rich meaning that encompasses cooperation, humanity, and group solidarity for survival in situations with scarce resources. It is a good name for a self-help technology that can turn a problem into a resource.

Inventor and welder Harvey Lacey of Dallas, Texas invisioned the press and system to build with trash in response to the housing crisis after the Haitian earthquakes. Owen Geiger provided advice about how to reinforce the wall. Harvey has been hard at work refining and promoting and teaching ever since.

See other files in the Ubuntu Block Info series also available online soon to learn more about building with Ubuntu blocks.

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CONTENTS



**EQUIPMENT FOR
UBUNTU-BLOX**



MAKING UBUNTU BLOX



YOUR UBUNTU BLOX

CREDITS

EQUIPMENT FOR UBUNTU-BLOX



Make a press



**11 GAUGE SQUARE
STEEL TUBING
2x2 INCH / 5x5 cm**

**STEEL PLATE
HALF x 8 INCHES /
1x20 cm**

Weld or bolt



**WITH CHANNELS FOR
BALING WIRE**



Add a strong screw

**SCAFFOLDING SCREW JACKS OR
AN ACME SCREW**

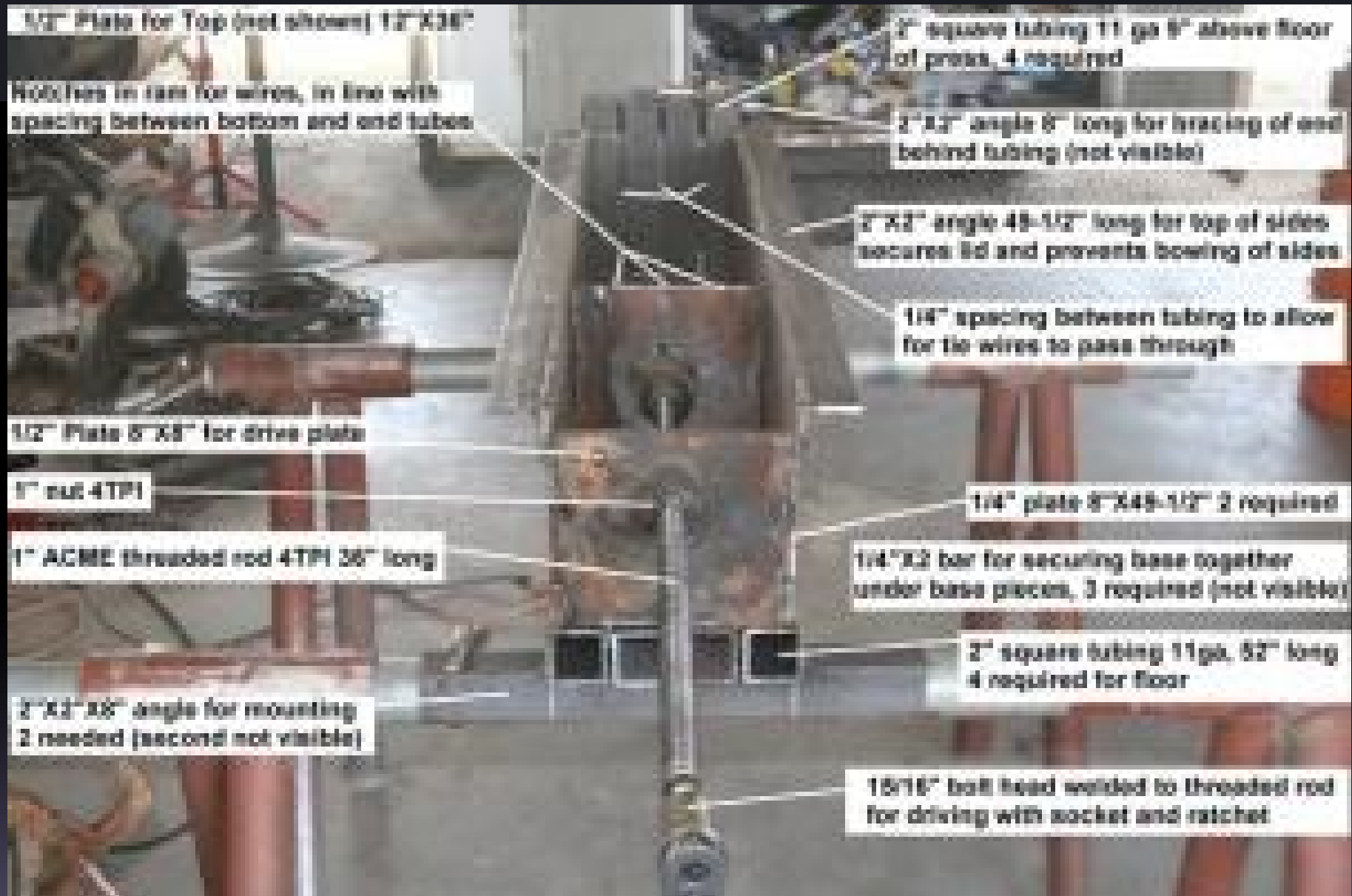


And a wheel



**CAR STEERING WHEEL OR
CUSTOM-MADE**





Make the right tools

§ A JIG FOR
MAKING
LOOPS IN
THE BALING
WIRE WILL
SAVE A LOT
OF TIME



MAKE UBUNTU-BLOX



Gather supplies

GET TRASH AND CLEAN IN A CHLORINE DIP



Break up stiff packing foam

**BY HAND OR USE A
MECHANICAL CHOPPER**



Cut wire and loop 1 end



**LONG ENOUGH
FOR THE
FINISHED
BLOCK**

Lay wires in grooves of press



Put clean trash in bags

**MESH BAGS WILL BE EASIER TO
PLASTER**



Load recyclable trash without a bag

§ BUT THIS
BLOCK MAY
BE WORTH
\$5



5 bags for each block



Close the door (IF IT HAS ONE)



Turn the wheel to compress

§ IT DOES NOT
TAKE A LOT
OF STRENGTH



Twist baling wire through the loops



YOUR UBUNTU-BLOX



Weigh 2- 5 lb./ 1- 2.5 kg

FOR 8x8x16 INCH/ 20x20x40 cm BLOCKS



Easiest to build with neat blocks



Different kinds of blocks

RECYCLABLE BLOCKS **STRONG**
BUT NOT INSULATING



FOAM AND FILM BLOCKS
HIGHLY INSULATING
NOT QUITE AS STRONG



Mesh makes plastering easy

BUNCHED GARBAGE OR RICE BAGS WILL NOT HOLD PLASTER WELL

ADD CHEAP MESH TUBING TO HOLD PLASTER



BUILD THE ECONOMY AS WELL AS HOMES

AVAILABLE MATERIALS, EASY TO LEARN



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