The Purvis Lifter Plans
Designed by: Dick Purvis

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Instructions:

1. **Basket** - Cut sides and bottom per flat pattern diagrams on Sheet 3.
2. Assemble basket per diagrams on Sheets 4 & 5.
3. **Frame** - Assemble Frame as shown on Sheet 6. Layout pieces on a flat surface, pre-assemble w/o glue. Verify space between Arms is approx 10" and Basket will fit properly.
4. To cement, add spare ELLs or TEEs to blank ends so frame will remain level during assembly. (Use wax paper to protect work surface). Cement in the following order:
   4.1. STUB to TEE,
   4.2. ARMS to ELBOWs
   4.3. SIDEs to ELBOWS,
   4.4. SIDEs & ELBOWS to TEE,
5. Drill 9/32" Dia Hole in each ARM for Basket Pivot Screw (1/4"-20 x 2"), Forstner bit works best.
6. Drill 9/32" Dia Hole in Stub for Stub/Pole Captive Screw (1/4"-20 x 2") to match pool pole or other extension pole.
7. Connect Basket to Frame using (2) 1/4"-20 Screws, (2) Lock Nuts, (2) 1/4"-20 Nuts & (4) 1/4 x 1-1/2" Fender Washers to the top row, at center as shown on Sheet 6.
FOLD AT THESE LINES TO FORM THE SIDES OF THE LIFTER

- 0.5 TABS TYP. (3) SIDES
- 8" Typ. (4) Pcs.
- 1"x1" WIRE CLOTH GALVANIZED

SIDES - FLAT PATTERN

BOTTOM - FLAT PATTERN
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Sides & Bottom - Assembly View

REMOVE EXCESS TABS AT CORNERS.

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SIDES & BOTTOM - FABRICATION

WRAP TABS TIGHTLY AROUND ADJACENT WIRES ALONG SIDE & BOTTOM JOINTS. TRIM AND CRIMP TO AVOID INJURY TO BIRDS AND HUMANS. SEE PHOTO.

DEFORM TOP-CTR WIRE FOR PIVOT SCREW CLEARANCE. TYP. (2) PLCS.

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Drill \( \frac{1}{4}'' \) clearance hole for 1/4"-20 x 2" screw. TYP. (2) PLCS.

Frame side, TYP. (2) PLCS.

Arm, TYP. (2) PLCS.

NOTE: ELL INSET = 1'', TEE INSET = \( \frac{3}{4}'' \). ADJUST LENGTH OF SIDE FOR VARIATIONS BY BRAND.

See assembly instructions on Sheet 2.

Basket pivot assembly view

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Frame - Assembled/Fit View

- Drill \( \frac{9}{32} " \) clearance hole to match extension (pool) pole capture screw, if req'd.
- Basket pivot ISO view
- Basket, typ. (2) plcs.
- Arm, typ. (2) plcs.
- TEE
- Side, typ. (2) plcs.
- Fender washers
- Nut
- Screw
- Lock nut
- Arm

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