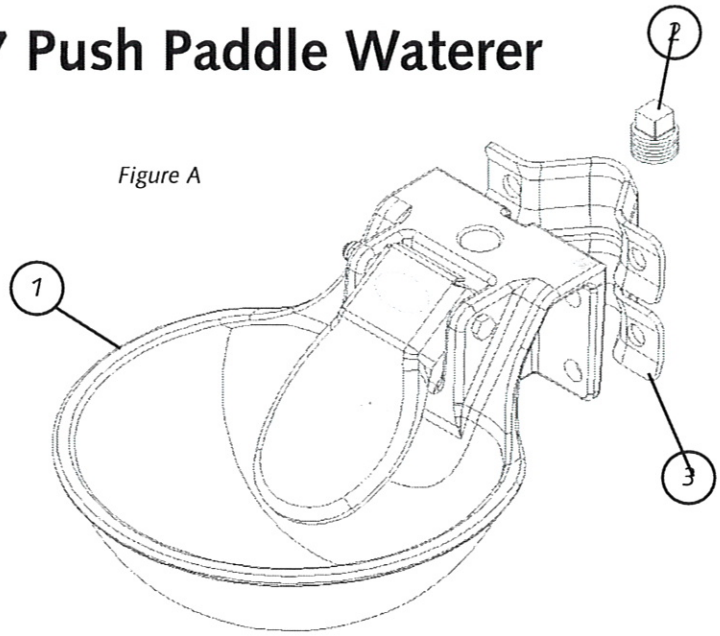
ENGLISH FRONT

# Instructions for 77 Push Paddle Waterer

**"Little Giant" push paddle waterers are made with a heavy duty cast iron bowl, stainless steel paddle, and high grade nylon parts. Water supply can be connected to the top or bottom individually or in line with other waterers.**

*Figure A*



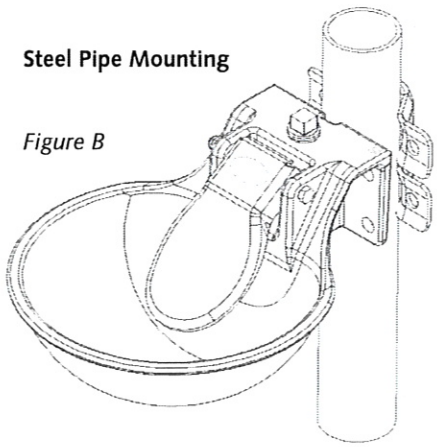

**THE WATERER:**
- Unpack all contents from the box.
- The box will have the parts as shown in figure A.

Item 1 – **Waterer**
Item 2 – **1/2" NPT Plug**
Item 3 – **Mounting Brackets**

**MOUNTING:**
- This waterer can be mounted in many ways. See figure B and figure C below for two examples.
- Be sure to mount the waterer to a rigid surface. For best protection, mount near a corner if possible.
- We do not supply fasteners because of the multiple mounting possibilities. Fasteners can be purchased at your local hardware supplier. We recommended using 3/8" diameter bolts or lag screws and washers.

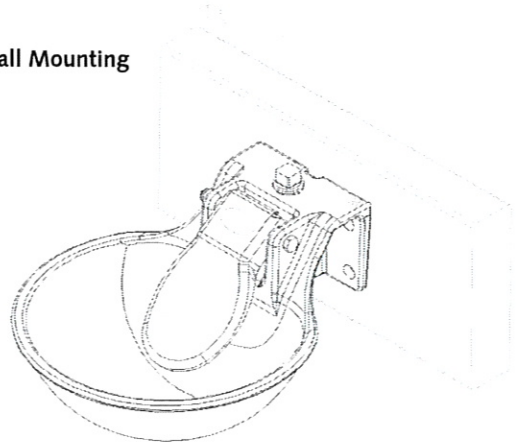
**Steel Pipe Mounting**

*Figure B*



**Fence/Wall Mounting**

*Figure C*



**WATER SUPPLY CONNECTIONS:**

This waterer can be connected to a garden hose or piping depending on your application.
- We do not supply adapters because of the multiple connecting possibilities.
- This waterer has two, 1/2" NPT (National Pipe Taper) Inlets for water supply, one on the top and one on the bottom. The water supply can be connected to either top or bottom with the supplied **1/2" NPT Plug** on the opposite side. The waterer can be connected individually or inline (in series) with other waterers.
- We recommend the use of Teflon tape or plumber tape (not supplied) on all connections to prevent leakage. Do not over tighten any fittings.
- If using garden hose, we recommend that all exposed hose be protected with some light gauge wire mesh to prevent damage due to chewing by livestock. During cold weather, do not wrap garden hose with heat tape as it can cause hose to soften and develop leaks.

ENGLISH BACK

## OPERATION OF THE WATERER:

- Once the waterer is mounted and connected to a water supply, manually depress the stainless steel **Paddle Assembly** (Fig. F, Item 8) to allow water to fill the **Bowl** (Fig. F, Item 1) .
- The **Paddle Assembly** has a built in manual stop or lock to prevent the water from filling into the **Bowl**. See figures D and E below. To lock the **Paddle Assembly**, simply rotate the spring loaded stopper, which is attached to the under side of the **Paddle Assembly**, 90 degrees until it snaps into position. To unlock, rotate the stopper back to the position shown in figure D.

*Figure D*

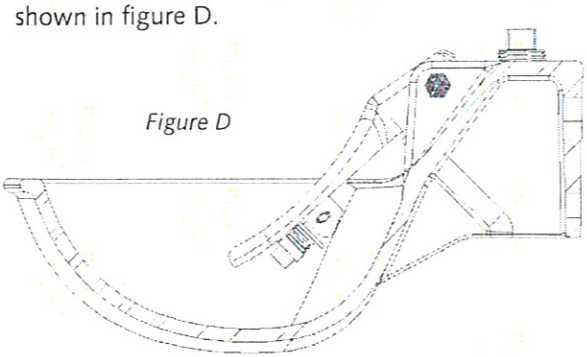
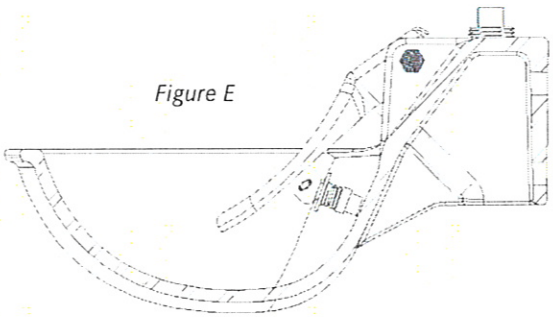
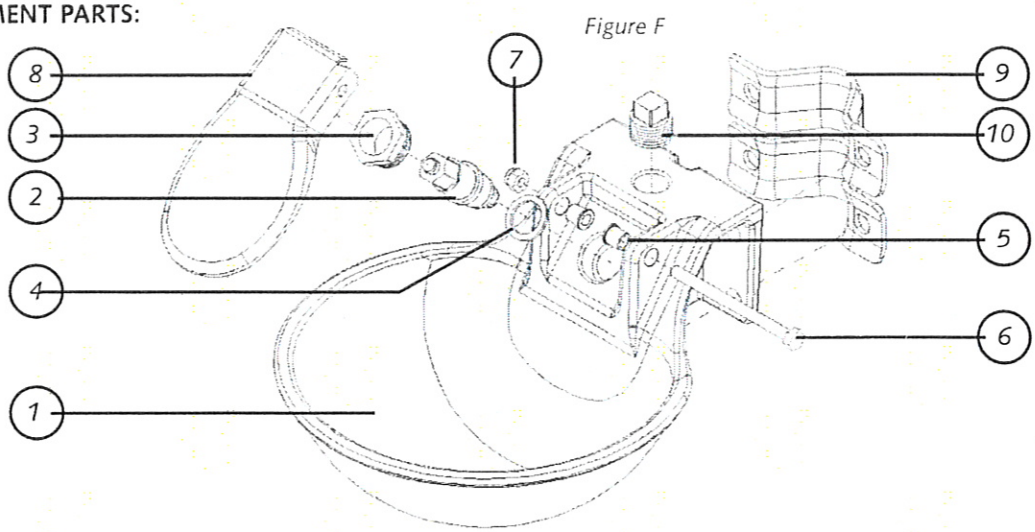


*Figure E*



## REPLACEMENT PARTS:

*Figure F*




| ITEM | PART NUMBER | DESCRIPTION | QTY. PER UNIT | AVAILABLE THRU MILLER MFG. |
|---|---|---|---|---|
| 1 | 7700 | BOWL | 1 | NO |
| 2 | 7705 | VALVE | 1 | YES |
| 3 | 7706 | RETAINING NUT | 1 | IN 7718 KIT |
| 4 | 7707 | RUBBER WASHER | 1 | IN 7718 KIT |
| 5 | 7708 | INSERT | 2 | IN 7719 KIT |
| 6 | 7709 | BOLT M6 X 3.31 LONG | 1 | IN 7719 KIT |
| 7 | 7710 | NUT, M6 | 1 | IN 7719 KIT |
| 8 | 7711 | PADDLE ASSEMBLY | 1 | YES |
| 9 | 7716 | MOUNTING BRACKET | 2 | YES |
| 10 | 7717 | 1/2" NPT PLUG | 1 | NO |
| 3,4 | 7718 KIT | VALVE RETAINING KIT | SEE NOTE 1 | YES |
| 5,6,7 | 7719 KIT | PADDLE MOUNTING KIT | SEE NOTE 2 | YES |

**NOTES:**

1. 7718 KIT includes 12 each of, 7706 and 7707.
2. 7719 KIT includes 12 each of 7708, 6 each of 7709 and 7710. A 1/4-20 nut and 1/4-20 bolt can be used instead of the M6 metric nut and M6 metric bolt; 1/4-20 not supplied by Miller. 1/4-20 parts and M6 metric parts cannot be mixed.

## WARRANTY:

Miller Manufacturing Company warrants to the original purchaser that the 77 push paddle waterer is to be free from defects in material and workmanship for one year from the date of purchase when used under normal use and service. Please return the defective waterer with proof of purchase, description of the defect and contact information to the address below – attention: Return Department.

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