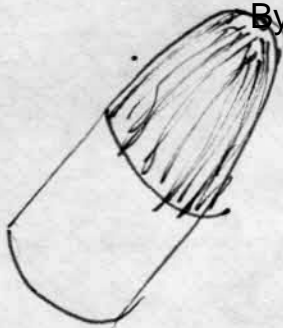


MAKE YOUR OWN OUTRIGGER FOR CANOE

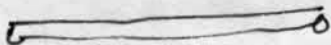
By Don Nathan - copyright 2015



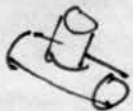
CRAB TRAP FLOATS.
RED + WHITE
LARGE SIZE ~ 14" LONG
4 REQ'D.



1 1/4" PVC SCHED 40 PIPE.
30" LONG.
2 REQ'D.



1/2" PVC PIPE
15" LONG. OR AS REQ'D TO FIT
4 REQ'D. FLOATS.



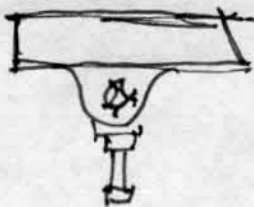
1 1/4" PVC T JOINT
2 REQ'D.



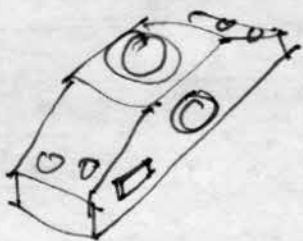
4 1/4 - 1/2" BUSHING - PVC INSERT
2 REQ'D.



1/2" PVC END CAP
4 REQ'D.



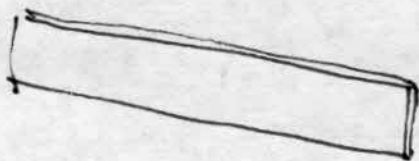
'SCOTTY' RODMASTER II
ADJUSTABLE ROD HOLDER
1.85" INSIDE DIAMETER.
2 REQ'D



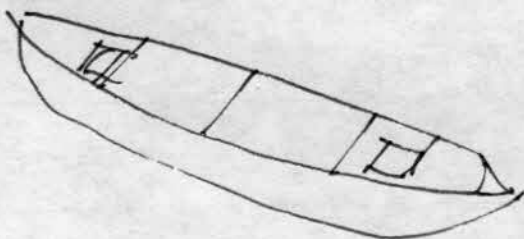
'SCOTTY' 231L BASE PLATE
DECK / SIDE MOUNT
LOCKING TYPE
CW 4 SCREWS 1/4" (EXTRA).
2 REQ'D



PVC CEMENT .



WOOD CROSS MEMBER.
1 X 4
MISC SCREWS + FASTENERS.

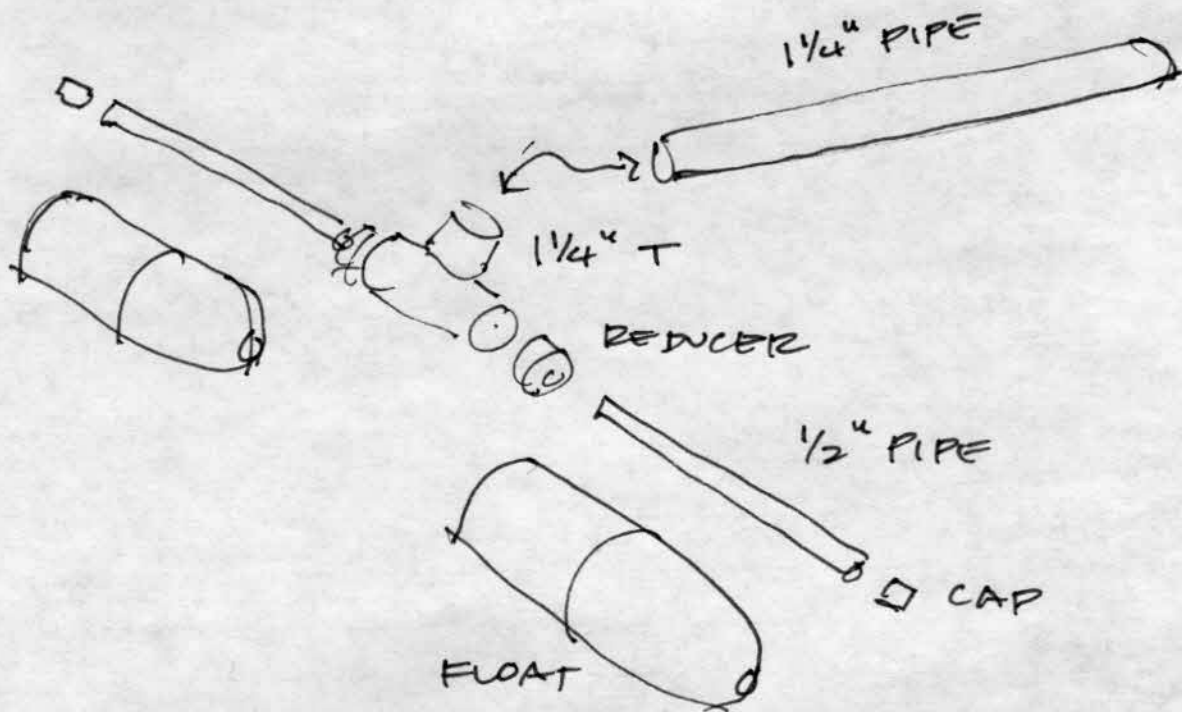


CANOE



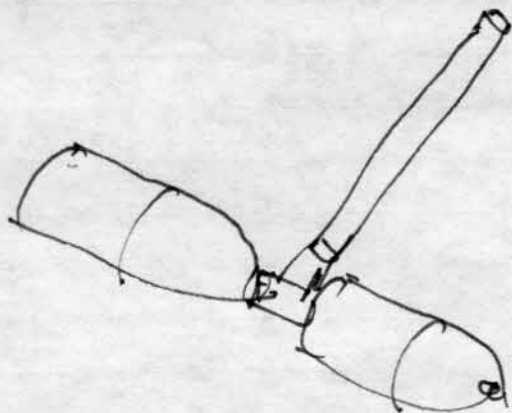
SPRAY PAINT
BLACK OR AS YOU LIKE!

THE OUTRIGGER: EXPLODED VIEW



- ASSEMBLE THE PIPE AND FITTINGS WITHOUT THE END CAPS.
- PAINT IT BEFORE INSTALLING FLOATS
- SLIDE FLOATS ONTO 1/2" PIPE ARMS ENSURING BOTH FLOATS FACE SAME WAY.
- INSTALL END CAPS.
- NOTE: 1/2" PIPE MAY NEED LENGTH ADJUSTMENT
 - ENSURE FLOATS FIT OVER PIPE ARMS WITH MINIMAL PLAY. THEY CAN SPIN.

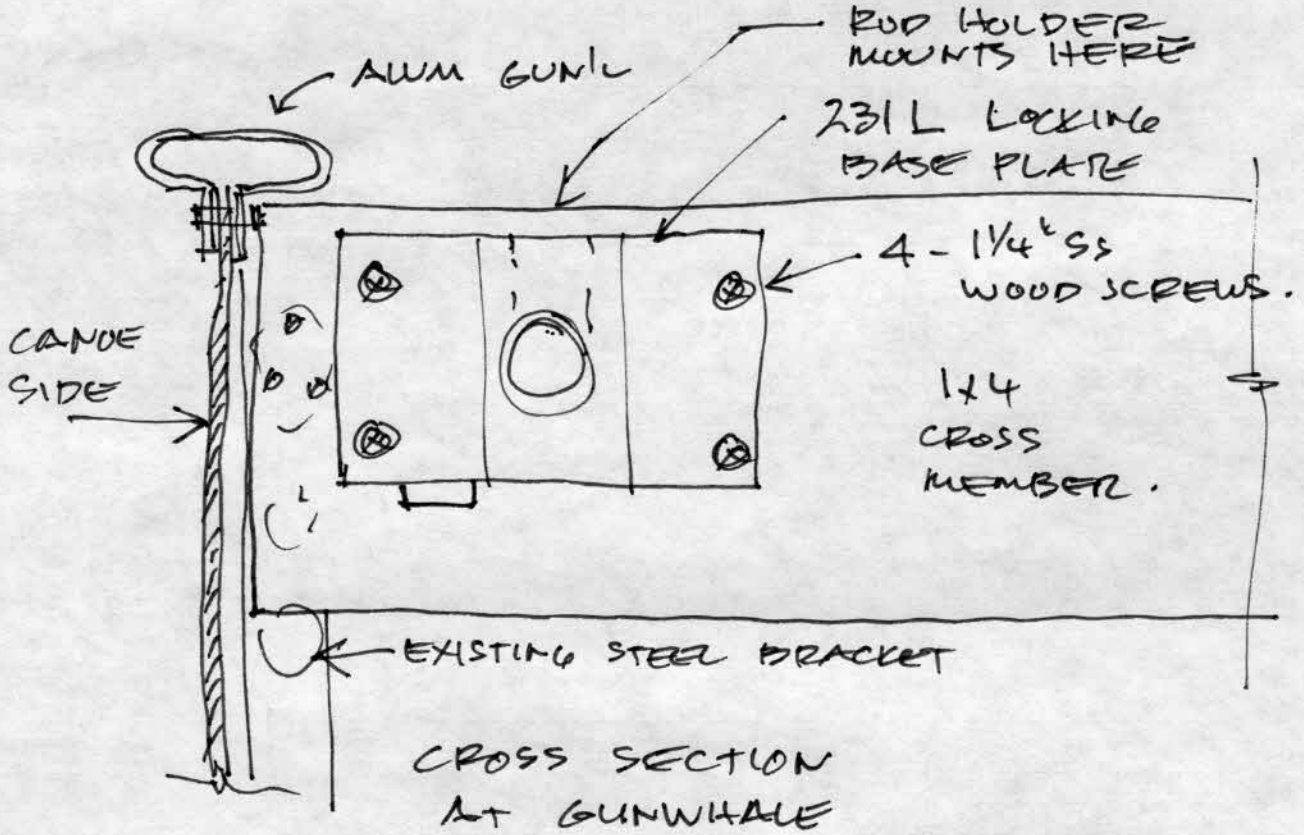
BUTRIGGER: ASSEMBLY,



SUPPORTING BRACKETS

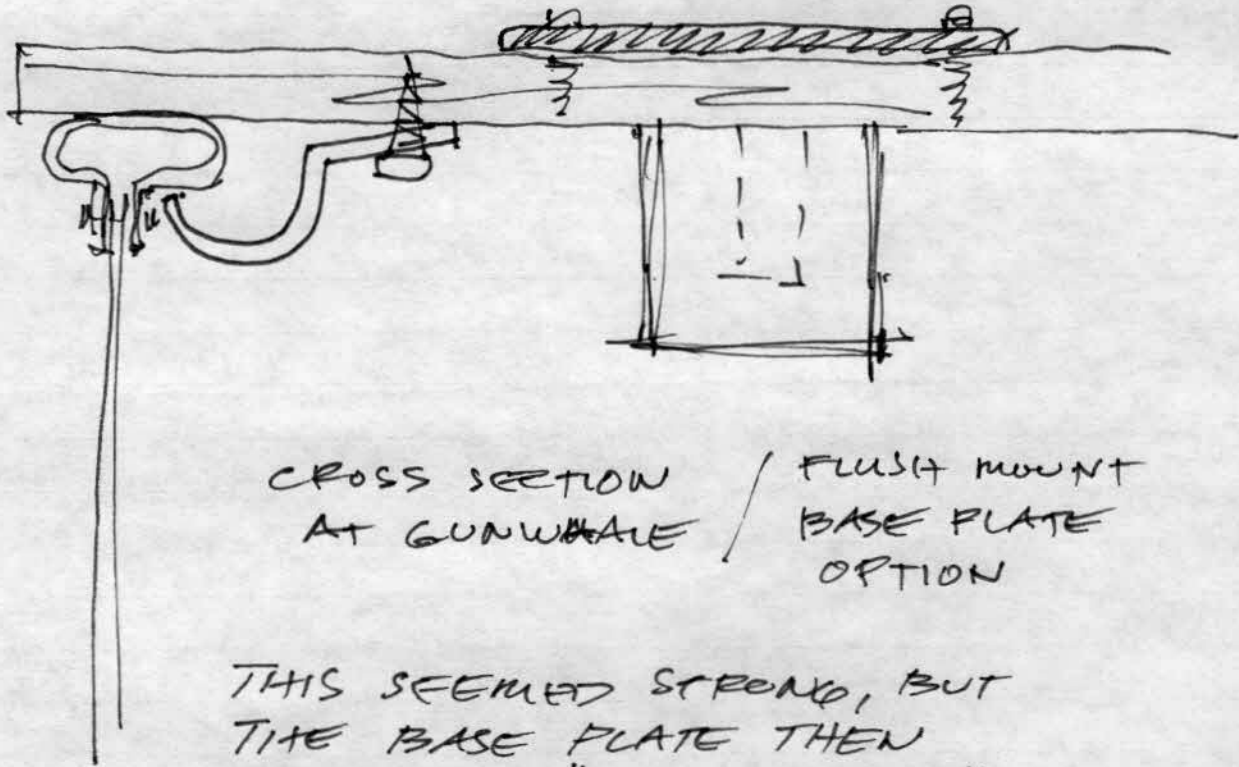
- THIS REQUIRES A CROSS MEMBER - LOCATED IN THE CENTER OF THE CANOE TO AVOID INTERFERENCE WITH PADDLING.
- MY CANOE HAD PRE-EXISTING STEEL VERTICAL BRACKETS AT THE CENTRE - WHICH WERE FOR THE ORIGINAL SEAT. (SOLD).
- SINCE THE CANOE WAS CONVERTED TO TWO SEATS THESE BRACKETS WERE AVAILABLE TO USE TO ATTACH THE CROSS MEMBER.
- I ATTACHED THE 1X4 WOOD PLANK TO THE BRACKETS IN A VERTICAL POSITION.
- THIS ALLOWED FOR SIDE MOUNTING THE BASE PLATES.

DETAIL OF BASE PLATE ATTACHMENT:



ALTERNATE CROSS MEMBERS.

- I TRIED THE 1x4 MOUNTED FLAT ACROSS THE CANOE, USING 3/4" EMT CLAMPS



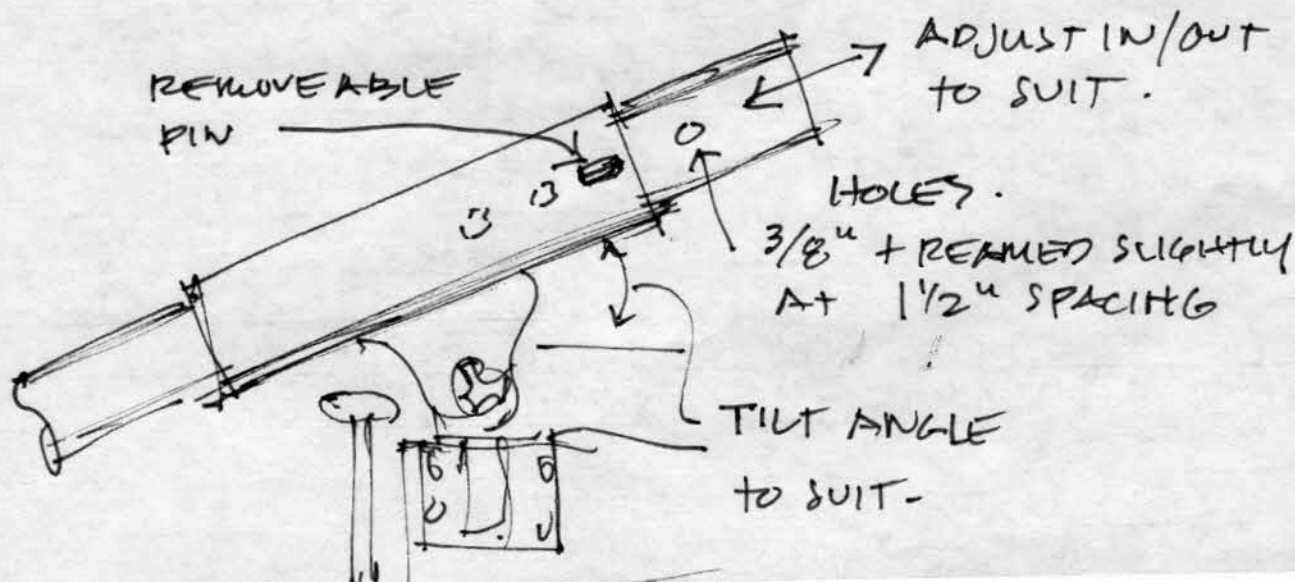
CROSS SECTION
AT GUNWALE

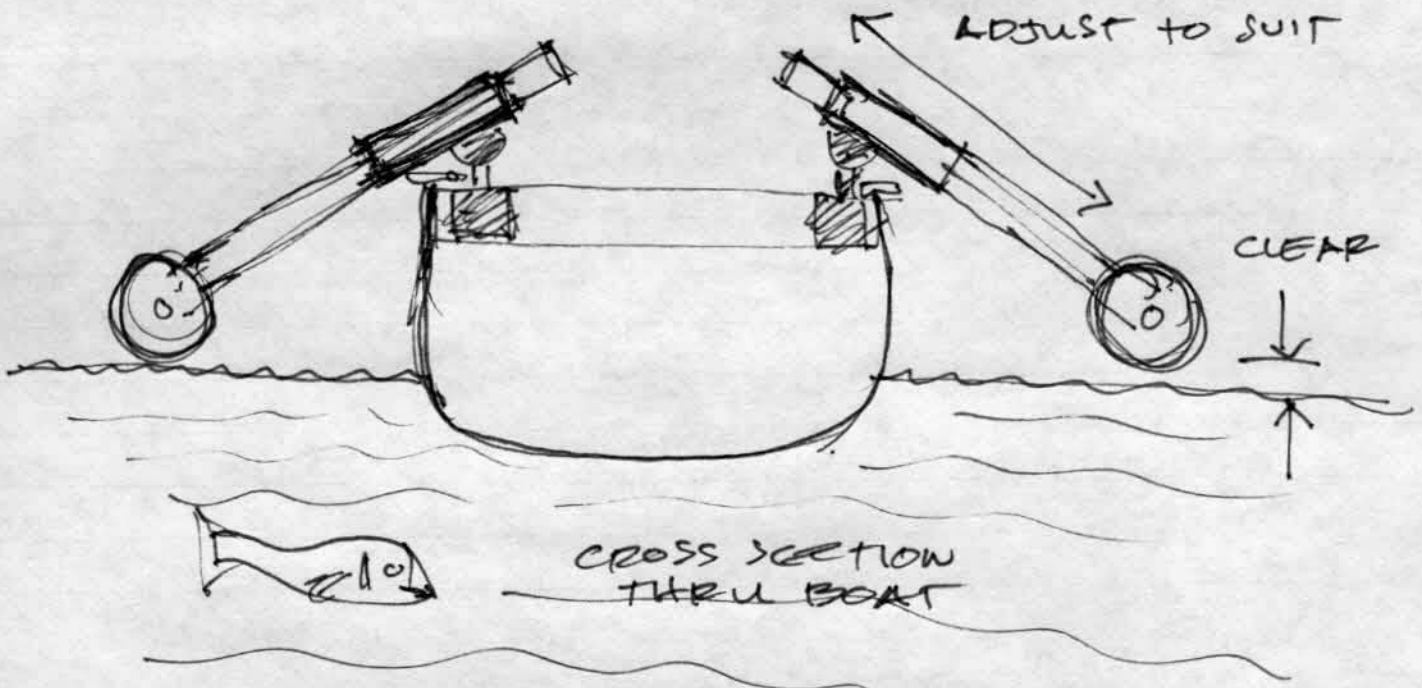
FLUSH MOUNT
BASE PLATE
OPTION

THIS SEEMED STRONG, BUT THE BASE PLATE THEN HAD TO BE "DECK MOUNTED" ON TOP. THIS PREVENTED PUTTING THE CANOE ON THE CAR USING FOAM BLOCKS - HOWEVER - THERE ARE FLUSH MOUNT BASE PLATES THAT WILL FIT THIS ARRANGEMENT.

FINAL ASSEMBLY AND ADJUSTMENT

- THE $1\frac{1}{4}$ " PIPES WILL BE SECURED BY THE PINS THAT ARE THROUGH THE ROD HOLDER.
- I TESTED THE POSITION WITH THE CANOE LOADED WITH TWO PERSONS IN THE WATER.
- THE FLOAT ASSEMBLY SHOULD BE POSITIONED ABOVE THE LOADED WATERLINE FOR PADDLING. AS THE CANOE ROCKS THE FLOATS CONTACT THE WATER ALTERNATELY, AND PREVENT EXCESSIVE SIDE TO SIDE MOVEMENT, WHILE NOT CREATING MUCH DRAG.
- ADJUST AS REQUIRED FOR YOUR USE. PUTTING THE FLOATS INTO THE WATER GIVES GREAT STABILITY BUT MAKES MORE DRAG.





CLEAR HEIGHT WILL VARY ON
CONDITIONS .

- o FOR PADDLING - RAISE
- o FOR FISHING OR SMALL KIDS
JUMPING FROM SIDE TO SIDE - LOWER!

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STRICTLY FOR INFORMATION PURPOSES. USE AT YOUR OWN RISK.