

John Adams' design is by far the best and cheapest, under 15 bucks. And it works better, loses less material on the transfer to bucket or sluice, and is more versatile.

"These tips should help:

-The length of the sucker should be long enough that when you pull it back it doesn't pop out the back. The shaft should be long enough that when you close it you don't smash your fingers. I am 5' 8" and my 2 inch is 5' 4" to the 45 degree bend and the main shaft is 5' 2"

-When you pull it back it does not have to be done fast, just remember to turn the whole thing a little this is the most important part of hand-sucking.

- Don't worry about how the foam rubber looks just make it a little tight and cut the humps with scissors till it works smoothly and leave it wet no need to dry the foam only makes it rot faster. The reason I like fishing line wrapped around the foam is because it works well and can be changed easily and it may take you a couple of tries to get the fit right, but at the price who cares.

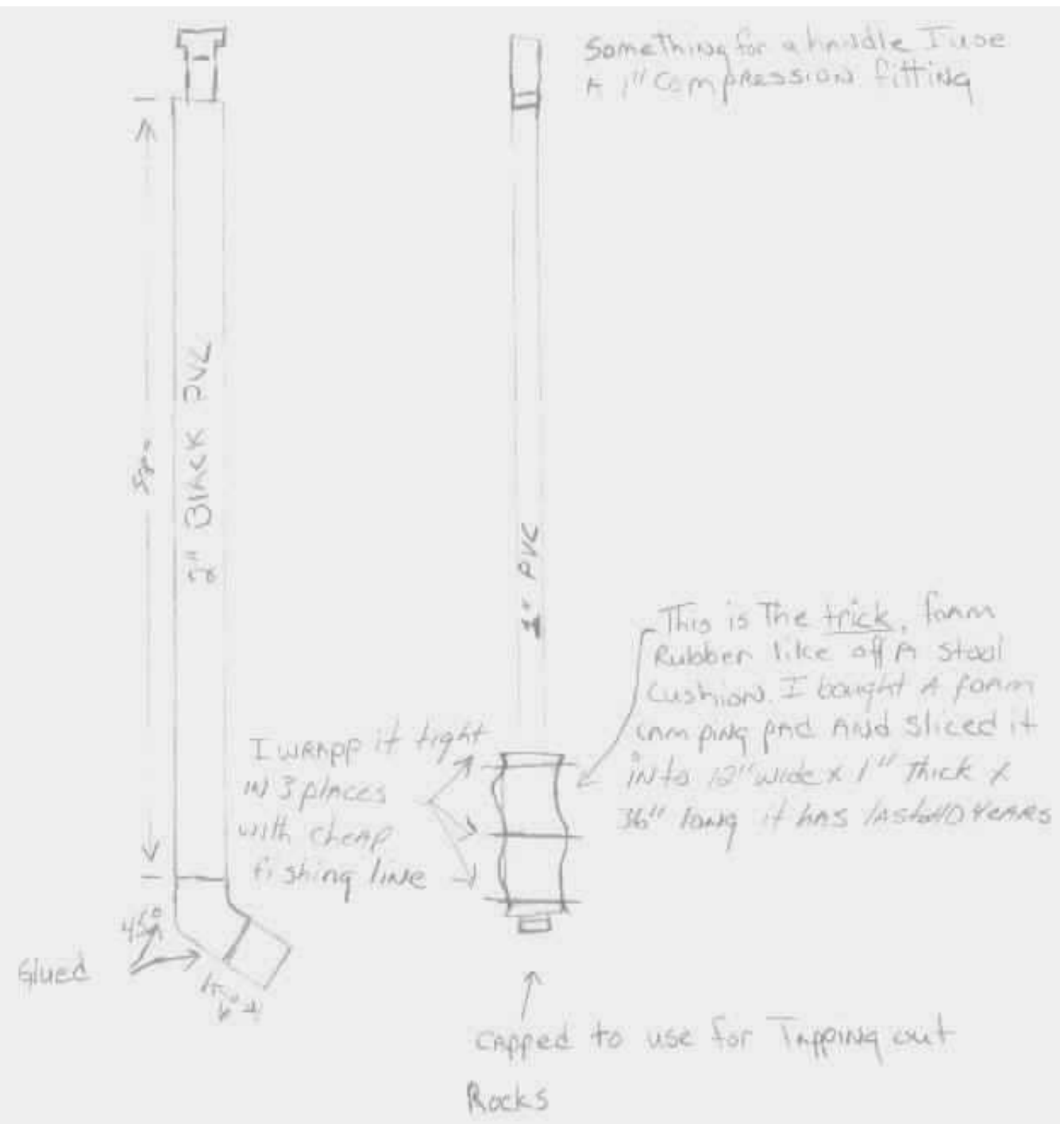
-I push the end around in the gravel to feel the crevices and also scoot up the small creeks sucking behind the rocks grabbing the easy flakes first. I set my 1/2 inch classifier on my blue pan and suck right into it and pan. Also can set a bucket with a rock in it under water with my pan on it.

-Once you see how much these will pick up you'll see where a short three incher would work. A long 3 is too much for me because of the weight of it when it is full. Even a short one will make using a shovel underwater seem silly. A long 3 say 8 ' is a silent underwater dredge but it takes 2 to 3 people to use.

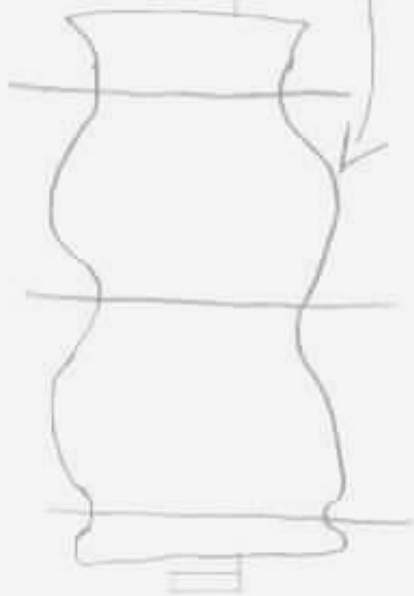
I hope these work as well for you as they have for me. The one has sucked me 1 1/2 ounces."

The motion one uses with the 45 degree bend is the real trick and that 45 and what it does for you is what sets this one apart. As you finish the pull, twist the tube upside down, so the 45 is now facing up, this really cuts down on the material falling back out of the tube as you transfer it to a bucket.

Also, you can feed a stream sluice directly with one of these. Talk about fast way to move gravel! And you can make attachments to get into crevices that you screw on if you put a threaded end on the bottom. Soft or hard PVC end pieces, for the tiny cracks where the gold is thickest. Here are the pics of John's drawings:



These humps are what seal
if they are to tight trim with
SIZZORS. When it gets wet
it will conform to the pipe
and seal way better than
Anything else



Sluice feeder
For moving more gravel

old. Shovel Handle



once you get the
← movement Down Pat
one of these can be
use to feed A Sluice
the cap keeps the handle
From being pulled out because
its shorter.