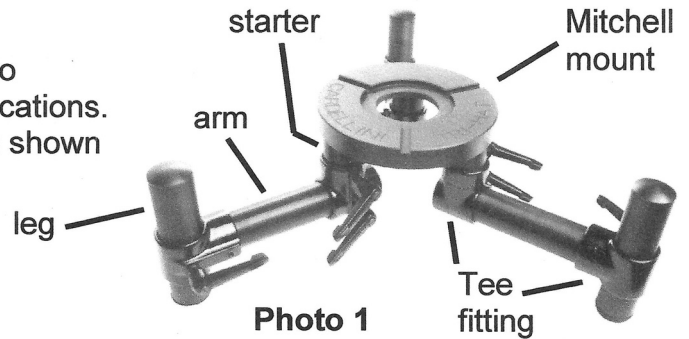


# CARDELLINI TRI-HAT

Be sure all knobs are tight before mounting camera and after any adjustments.

**Note:** The knobs have different length bolts. If you need to remove the knobs, please replace them in their proper locations. I find it works best to keep the knob handles positioned as shown in **Photo 1**.



## **CAUTION:**

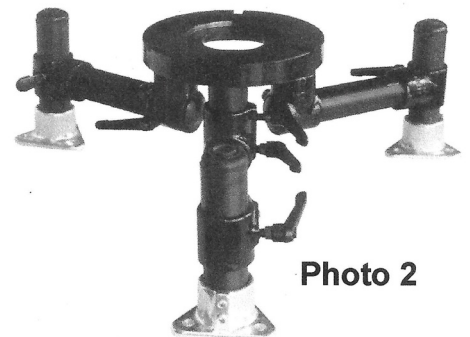
Should you need to remove the rubber feet from the legs for any reason, be careful. The ends of the legs can have sharp edges.

## **BAGGING THE TRI-HAT**

Shot bags work best because they are compact. I hang them on the top of the legs rather than on the arms. This keeps them off the ground and as far outboard as possible.

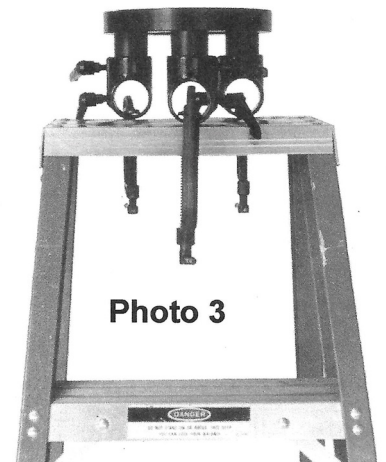
## **SCREWING DOWN THE TRI-HAT**

To screw down the Tri-Hat you can use 1 1/4" speedrail floor flanges. Lock the metal ends of the legs (not the rubber feet) into the flanges and use screws with washers through the holes in the flanges. **Photo 2**



## **MOUNTING ON TOP OF A LADDER**

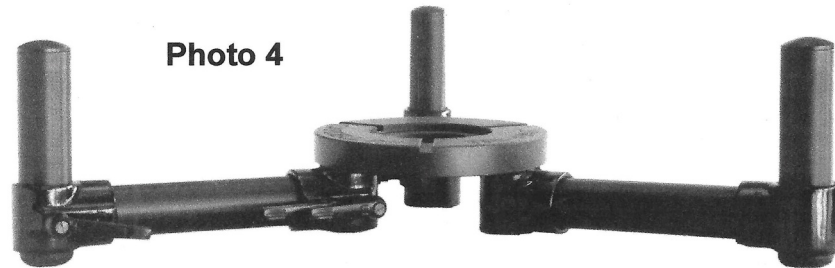
I find the best way is to remove the arms from the Tri-Hat and rotate the "Tee" fittings so you can get C-clamps inside of them. See **Photo 3**



## LOW MODE

The Tri-Hat was designed so the arms would be far enough below the Mitchell mount to clear the wheels on a gear head. **(Photo 1)** If you wish to mount the head lower, this can be accomplished by reversing the Tee fittings on the starters below the Mitchell mount. **(Photo 4)** This will drop the head by 2".

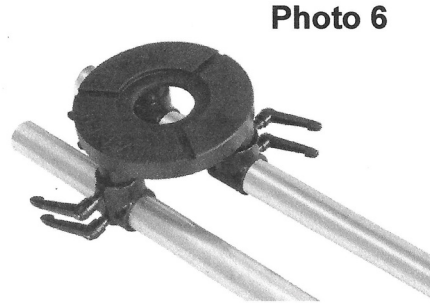
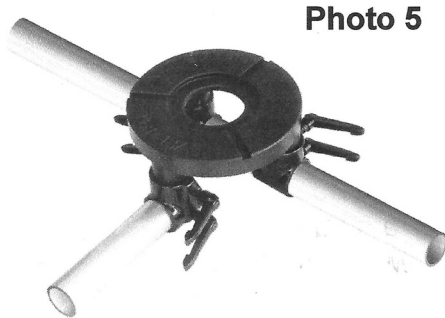
- 1) Remove the arms from the Tee fittings
- 2) Remove the Tee fittings from the starters on the Mitchell mount.
- 3) Remove the two knobs from the Tee.
- 4) Put the arm into the end of the Tee that was over the starter. Using the knob with the shorter bolt, tighten the tee onto the arm with the knob on the right side. Be sure the end of the arm is not blocking the other hole in the Tee.
- 5) Slip the tee up onto the starter. If you want to use the recess in the starter, tighten the knob with the longer bolt into the recess. That keeps the Tee from falling off when the knob is loosened (as in normal mode) but it costs 1/2" in height. If you want maximum low, let the tee rest against the bottom of the Mitchell mount and tighten it there. It may take a little "fiddling" with the positions of the handles to get the knobs where they will work around each other.



If this seems too time consuming, (or just totally confusing), there is an alternate low mode. If you don't mind losing the legs and using wedges to level the head, just pull out the legs and 180 the arms.

## OTHER APPLICATIONS

Because the components of the Tri-Hat are 1 1/4" pipe & fittings, the Mitchell mount can easily be incorporated into any 1 1/4" speedrail rig, such as in a condor, off the edge of a roof, etc. **Photo 5 & 6**



The bottom of the Mitchell mount has two holes in a line with (and each 3" from) center. These are tapped 5/16-18, and can be used to bolt the Mitchell mount to a camera mounting plate with holes on 1" centers. If, for example, you wanted to do an operated shot off a hostess tray or hood mount, you could remove the three starters from the bottom of the Mitchell mount and bolt up through the camera plate into the Mitchell mount. A 3/8-16 bolt run into the hole halfway between the two mounting bolts will hit the center of the bottom of the head so you can lock it down.

**Note:** All bolts on the Tri-Hat take a 3/16" hex wrench.