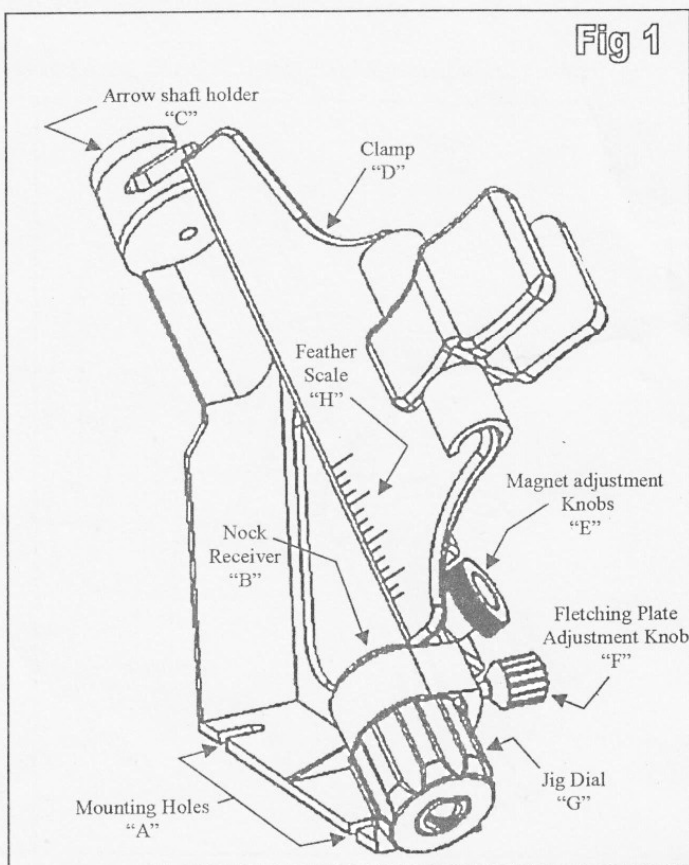
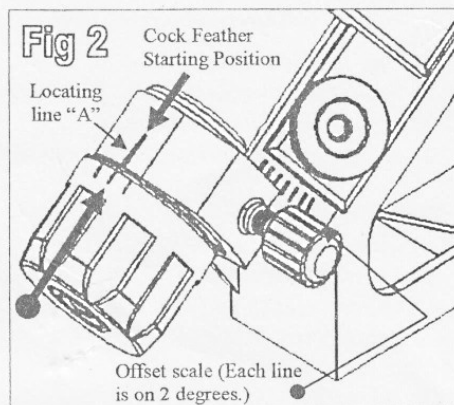


1. The jig base should be mounted to a board or counter by using holes provided on bottom of the base. (Fig 1 "A").
2. Arrow shafts should be cleaned before fletching, usually with rubbing alcohol. Read your fletching glue for proper cleaning instructions.
3. Insert nock into the desired position in the nock receiver (Fig 1 "B"). If you are not using adjustable nocks there are six small lines located on the jig dial (Fig 1 "G"), 3 longer lines and 3 shorter lines. Three of these lines are shown in (Fig 2). The plate you have installed in your jig will determine what lines you will be using for the cock feather alignment. Loosen the nock adjustment knob (Fig 1 "F"), rotate the jig dial (Fig 1 "G") until the proper lines are visible (Fig 2). Then move the jig dial left or right until the middle line on the jig dial and the locating line on the jig base (Fig 2 "A") are aligned (Fig 2). If you can not get them to align properly, then rotate the dial to the next set of lines and repeat this process. After you have completed this, lock down the fletching plate adjustment knob (Fig 1 "F"). This step is not necessary for a 4 X 90 Fletching.
4. Lay the shaft of the arrow in the shaft holder (Fig 1 "C").
5. Nock adjustment knob (Fig 1 "F") should be locked into position before any gluing is started. *Note The adjustment knob (Fig 1 "F") allows for 7 degree offset each side of the feather, this can be useful for lining up and repairing old arrows.*
6. Insert vane of feather into the clamp (Fig 1 "D"). Use the marks on the clamp (Fig 1 "H") for a reference to ensure feather position, so all feathers are the same distance from the nock.
7. Loosen the magnet adjustment knobs (Fig 1 "E"), place the clamp on the magnet. Move the magnet until you have the desired position of your fletch on the arrow shaft.
8. Lock the magnet adjustment knobs (Fig 1 "E") into place. Your jig is now set.
9. Remove the clamp from the magnet.
10. Perform another dry run to ensure the fletch is in the position you want. Do this by placing the clamp back on the magnet.
11. After checking the position of the shaft and fletch, run a thin line of your fletching glue along the entire base of the vane. Replace the clamp on the magnet and press into position.
12. Allow the glue to dry the recommended time.
13. Release the fletch from the clamp, and remove the clamp from the magnet.
14. Rotate the dial (Fig 1 "G") to the next click.
15. Insert vane of feather into the clamp, using the same marks (Fig 1 "H") on the clamp you used the first time to position this feather. Repeat process 11 through 15 until your arrow is complete.



# Installing Graylings Crossbow bolt receiver / Fletching Plates

**Tools Needed:** Phillips head screw driver

- 1) Loosen adjustment knob (Fig1 "A").
- 2) Remove dial screw (Fig1 "B") completely with a Philips head screw driver..
- 3) Remove dial (Fig1 "E"), spring (Fig1 "H"), rear fletch plate (Fig1 "D") and front fletch plate (Fig1 "C"). Slide the nock receiver (Fig1 "F") out from the front.

## Fletching Plates

- 4) Choose the desired front and back fletch plate. Cock feather down 3 X 120 (Fig2) and Cock feather Out 3 X 120 (Fig2) both use the 3 fletch front plate (Fig2). The 4 X 90 (Fig2) uses the 4 fletch front plate (Fig2).
- 5) The receiver (Fig1 "F") should still be thru the hole in the jig body. Hold the jig body so the nock receiver is facing down, holding the nock receiver in with your thumb.

## Crossbow Bolt Receiver

- 4) Slide your new crossbow bolt receiver (Fig1 "F") back thru the jig body nock hole.
- 5) Hold the jig body so the nock receiver (Fig1 "F") is facing down, holding the nock receiver in with your thumb.
- 6) Place the front plate (Fig1 "C") over the back end of the receiver and into the adjustment slot (Fig1 "G").
- 7) Place the rear fletch plate (Fig1 "D") over the receiver (Fig1 "F") lining up the flats.
- 8) Replace the spring (Fig1 "H") on the back end of the receiver (Fig1 "F").
- 9) Line the flat of the dial (Fig3) with the flat of the receiver (Fig1 "F") turning the dial slightly in both directions while applying slight downward pressure until the whole assembly drops together.
- 10) While holding the whole assembly together with your thumb and finger replace and tighten the dial screw (Fig1 "B").
- 11) Tighten the adjustment knob (Fig1 "A") and you are ready to begin fletching again.

