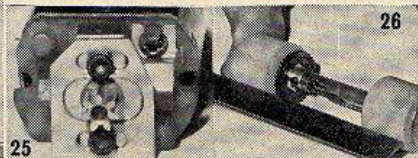
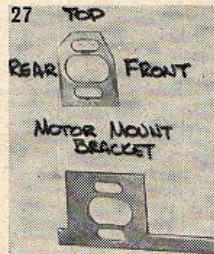


The back axle set up and motor mounting technique. Note how an Associated motor mount bracket is cut down and note also the hole in the rear axle tube to accept the corner of the motor for a really low angle of mesh.



20. Now you work while I rest my poor, tired shaking hand - repeat steps 7 through to 16 for right batpan and wing while I go for a quick beer . . . woops, can't say that, this is a family magazine.
21. Back to work! Mark a piece of $\frac{1}{8}$ in. $\frac{1}{4}$ in. from the end and bend to 90 deg. (now that's a nice change). Make a mark $1\frac{1}{2}$ in. from the outside of the bend and bend at mark. Cut other leg off to $\frac{1}{2}$ in. Lay plumber crossbrace (that's what you just made) on jig and check that both ends lie flat. Hold wire in place as in photo 20 and solder to hinge tubes and plumber rails - be super careful not to solder up floppie hinge. It is easy to do and takes forever to fix.
22. Now beg a Brillo pad from your mother (or wife if you wear the old ball and chain) and clean up your new 'chassis frame best'. I know it falls apart like a 'bloomin' accordion. Without the plumber and swing arm stops but it's easier to get into those little corners this way.
23. Two more quick steps and you can go to bed. Take a piece of $\frac{1}{8}$ in. wire and lay it along the top edge of the swing arm hinge. Photo 21. Make sure it extends about $\frac{1}{2}$ in. past the end of the hinge (out over the plumber rail and floppy hinge tube) solder *carefully* to the two outer pieces of the swing arm hinge (the short tubes already soldered to the frame). Solder by just touching iron to wire and tube and quickly taking it away. Do this more than once if necessary but don't hold the iron in place for more than a second or it all comes apart. Don't solder to the centre piece of tubing and don't solder up the hinge. Cut off excess wire $\frac{1}{8}$ in. from other end of hinge tube. If you think you did solder something up, start with gentle pressure and keep trying to make the swing arm move by bending up and down. Use more and more pressure until something gives - you will either break the joint free or break the soldered up part off the chassis. You don't lose anything as you have to fix it anyway.