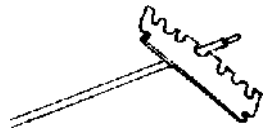
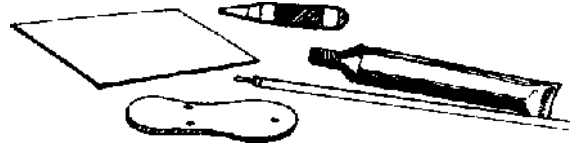


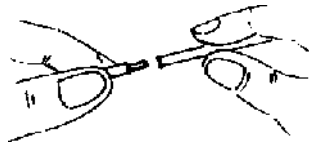
ROULETTE

Empty ball pen refills are not for throwing for they make beautiful bearings. For this you need cheap refills which still cost 75 paise each and have a thin brass tip. The plastic end of these refills can easily slide into the brass tip (Reynold and Sharp refills will not be appropriate).

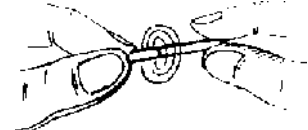
1. You will need an old refill (thin tip), an old rubber slipper, cardboard, a small 2 mm shoe maker's punch or a poker, Fevibond and scissors.



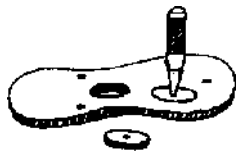
2. Cut a used refill about 1 cm from the top.



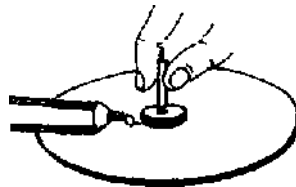
3. Insert the plastic refill in its brass tip.



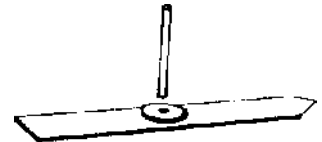
4. The refill goes in very smoothly. The refill on its own brass tip makes a very efficient bearing.



5. Punch a 2 mm hole in a 1 cm diameter rubber disc cut from an old slipper.



6. Stick this disc at the centre of a 15 cm diameter cardboard. Insert the 1 cm refill with the tip in this hole.



7. Cut a 15 cm long and 1 cm wide pointer out of cardboard. Stick another rubber disc at its centre. Insert an 8 cm long refill in this disc.

8. Place the refill in the pointer on the brass tip, in the middle of the cardboard disc. Try twirling the pointer. The pointer will rotate very smoothly. Place a circular card disc divided into 8 equal sectors on the cardboard disc. The roulette has now become an 8 digit dice. By dividing the card disc into different number of segments you can make a dice of any number. Children spin the pointer and later put seeds corresponding to the number indicated by the pointer.

Instead of numbers you can have shapes, colours, alphabets, different leaves on separate card sheets. You can make a number of very interesting matching games using this simple roulette.

