

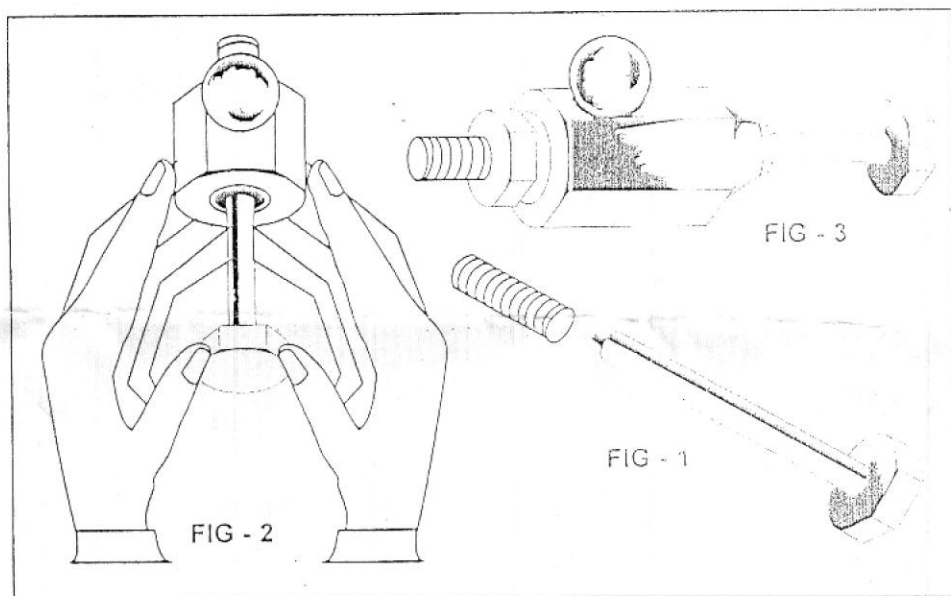
STEEL BALL THRU BOLT

The apparatus consists of hexagonal block with a hole in the center large enough for a 5/8" steel ball to pass through, a steel ball, a threaded bolt, and nut.

The hexagonal block has a threaded hole to allow the bolt to be threaded through the entire block, and locked at the opposite end with a nut, apparently making it impossible to drop a 5/8" steel ball in the block to penetrate the bolt, and drop out through the bottom. But this is exactly what happens.

THE SECRET : The bolt is made in two sections (see figure - 1) and while being threaded into the block releases itself just before it is completely threaded. The nut is now fixed on the opposite end, and it will appear rigid, solid and one piece. Actually the back part of the bolt is free and if pulled out a bit, will allow the steel ball to fall out through the bottom. This being the case, you are prepared to demonstrate the effect of the penetration of solid through solid.

After the bolt is threaded on the block and locked with the nut at the opposite end, place the steel ball in large hole in center and with the third and fourth finger of both hands, hold hexagonal block parallel to spectators eyes, and with the thumbs of both hands on the head of the bolt, pull both thumbs back slowly, and the steel ball will drop out through the bottom (see figure - 2). Push



back the section of the bolt, as if taking the bolt off for spectators' inspection. In so doing, you will automatically tighten both section of this bolt together again.

All the apparatus may be passed out for examination. Don't let the spectator thread the bolt into the square block all the way up, other wise the two sections of the bolt will come apart and reveal the secret of the entire effect.

Make sure when performing this that you get the proper angle by not having spectators on either side, or in back of you. Keep them in front and hold your hands up parallel to their eyes so they will not be in a position to see the action of your thumbs. Practice this in front of a mirror to get the proper angle.
