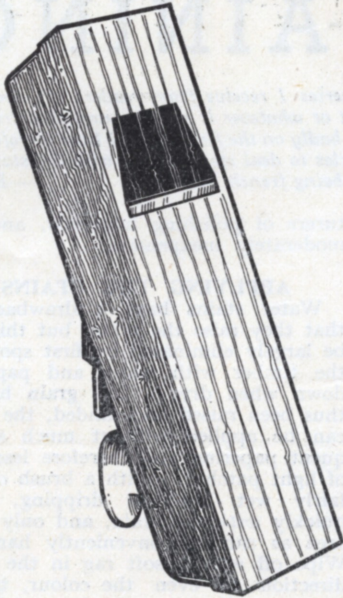


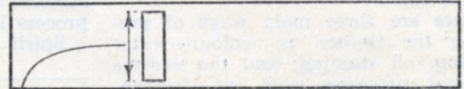
—HOW TO DO IT—

RE-MOUTHING A PLANE

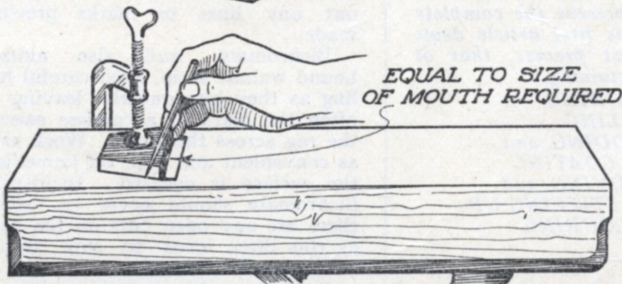
WHEN A PLANE HAS BEEN TRUED MANY TIMES THE MOUTH BECOMES ENLARGED AND RE-MOUTHING IS DESIRABLE. FOR THE NEW MOUTH A PIECE OF BOXWOOD, EBONY, OR SIMILAR HARDWOOD SHOULD BE USED. THE EXACT SIZE IS IMMATERIAL. THE EDGE FORMING THE ACTUAL MOUTH SHOULD BE SQUARE.



EQUAL

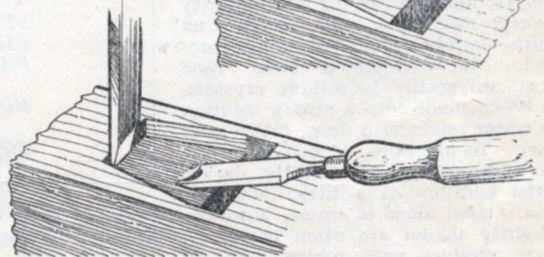
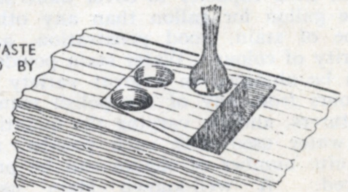


1. CUT OUT THE NEW MOUTH OF ANY CONVENIENT SIZE TO FIT THE PLANE. ALL EDGES SHOULD BE SQUARE.

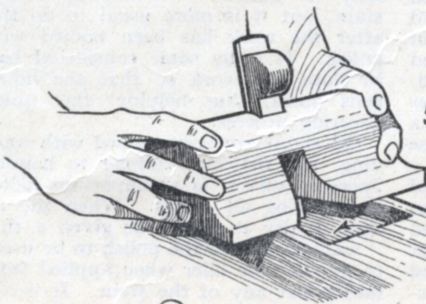


2. FIX NEW MOUTH TO PLANE WITH CRAMP. CUTTER SHOULD BE IN POSITION AND SET TO CUT A FINE SHAVING. MAKE SURE MOUTH IS SQUARE, AND MARK ROUND WITH A MARKING AWL.

3. BULK OF WASTE IS REMOVED BY BORING.

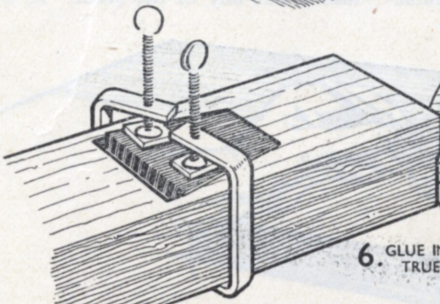


4. CUT DOWN SIDES OF RECESS AND CHISEL AWAY SLIGHTLY SHORT OF FINISHED DEPTH.

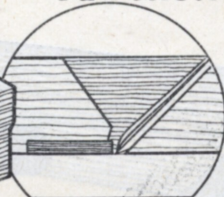


5. FINISH OFF RECESS WITH ROUTER.

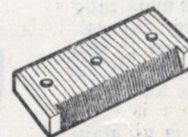
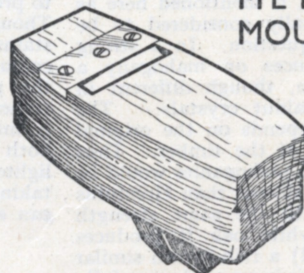
DEPTH SLIGHTLY LESS THAN THICKNESS OF NEW MOUTH



6. GLUE IN NEW MOUTH. WHEN SET TRUE UP SOLE WITH METAL JOINTING PLANE.



A METAL MOUTH



THIS IS EXCELLENT FOR A SMOOTHING PLANE. A STRIP OF MILD STEEL IS USED. IT IS NOT ADVISABLE FOR A TRYING PLANE BECAUSE THE WOOD WEARS MORE QUICKLY THAN THE METAL AND IT IS DIFFICULT TO TRUE UP.