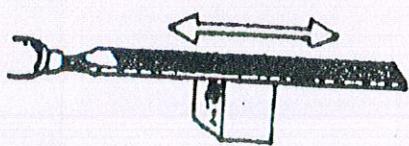
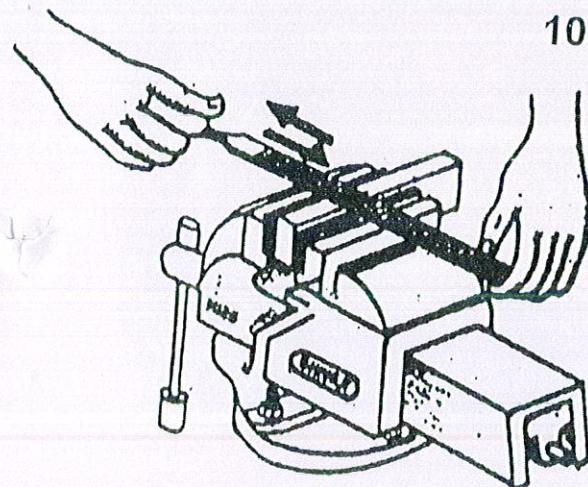
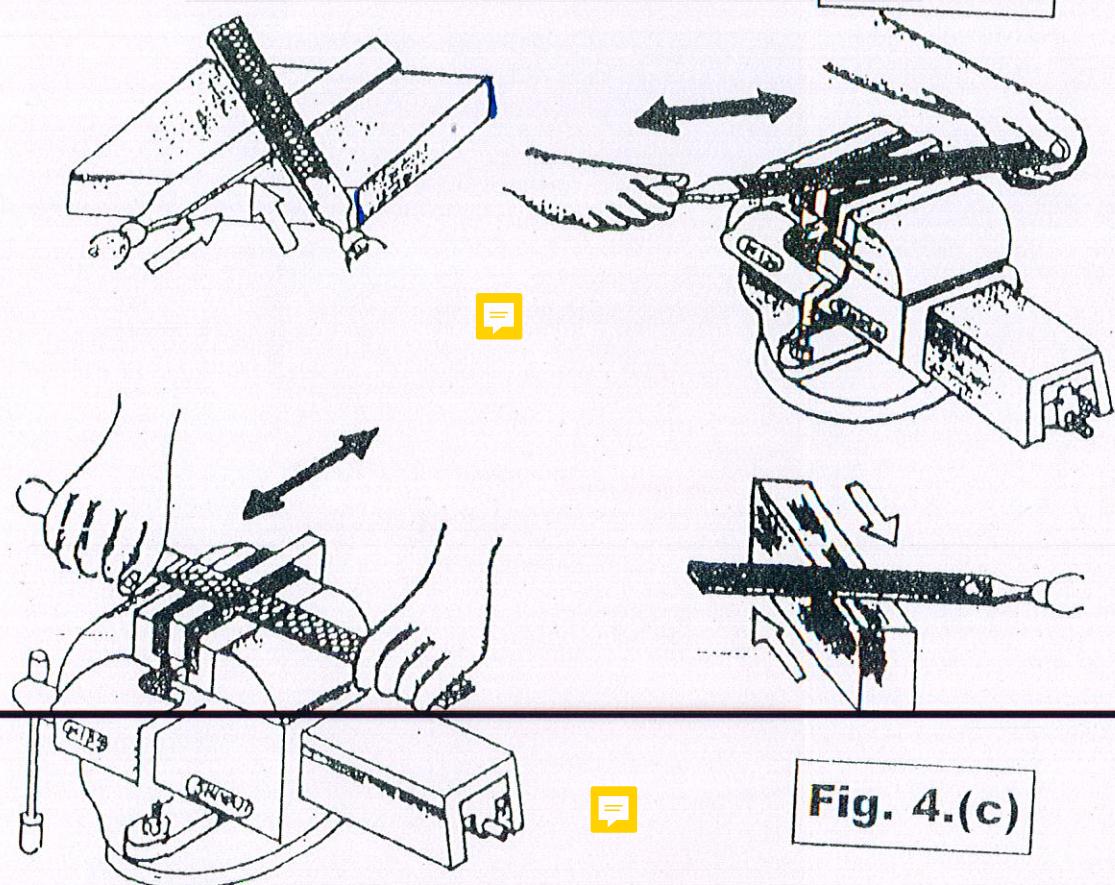
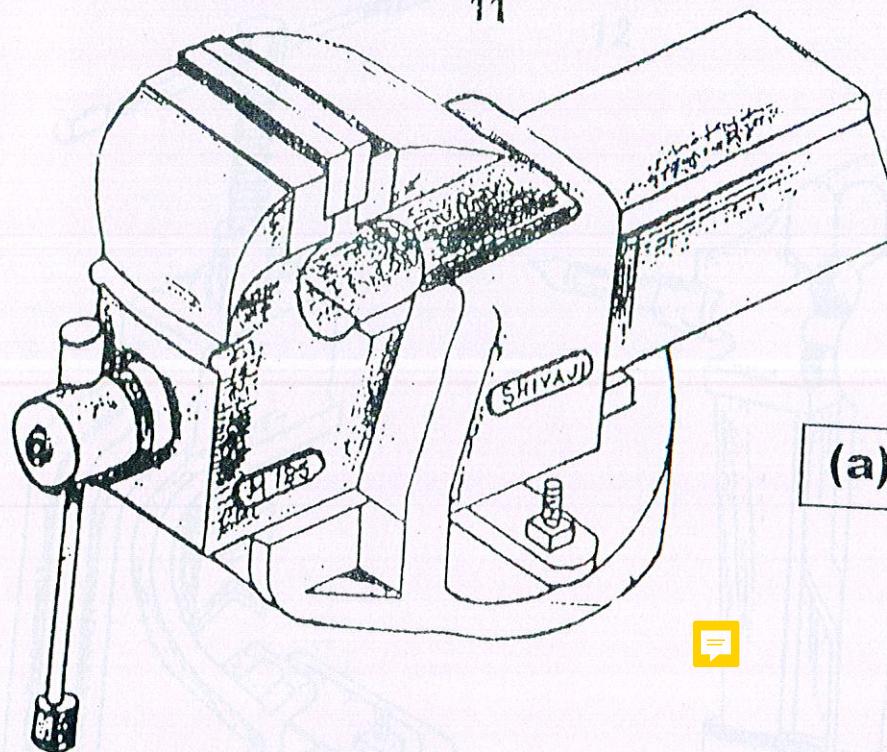


Fig. 1 Parts of a File

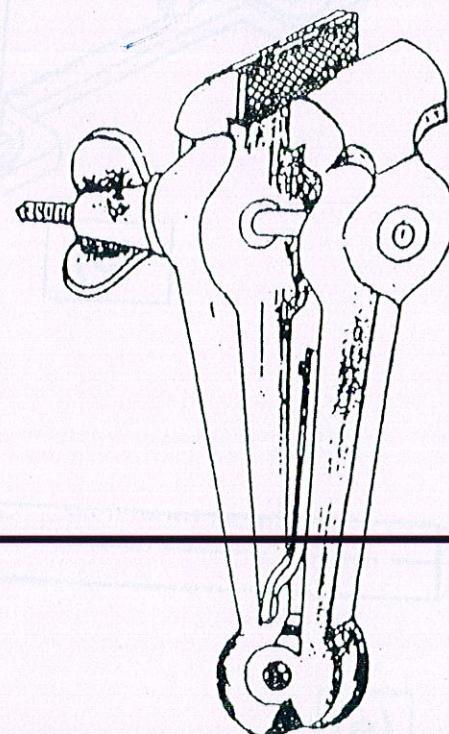
Fig. 2 Single cut and double cut file

Fig. 3 Shapes of file

Fig. 4.(a)**Fig. 4.(b)****Fig. 4.(c)****Fig. 4 Method of filing.****(a) Straight filling****(b) Cross filling****(C) Draw filling**



(a)



(b)

Fig. 5 Vices**(a) Bench Vice****(b) Hand Vice**

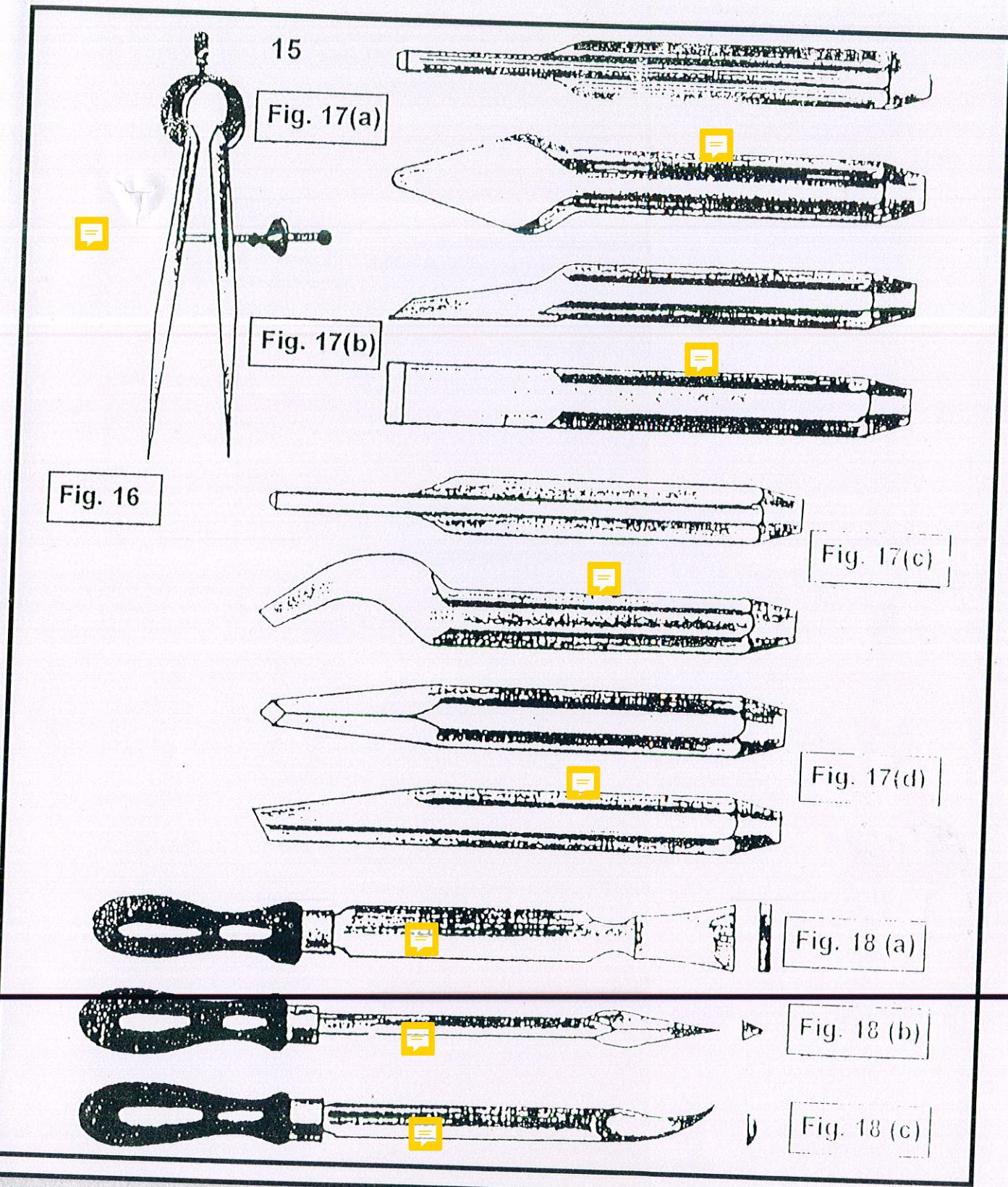


Fig. 16 Divider

Fig. 17 (a) Cross-cut Chisel

Fig. 17 (b) side Chisel

Fig. 17 (c) Half round Chisel

Fig. 17 (d) Diamond Point Chisel

Fig. 18 (a) Flat Scraper

Fig. 18 (b) Triangular Scraper

Fig. 18 (c) Half -round Scraper

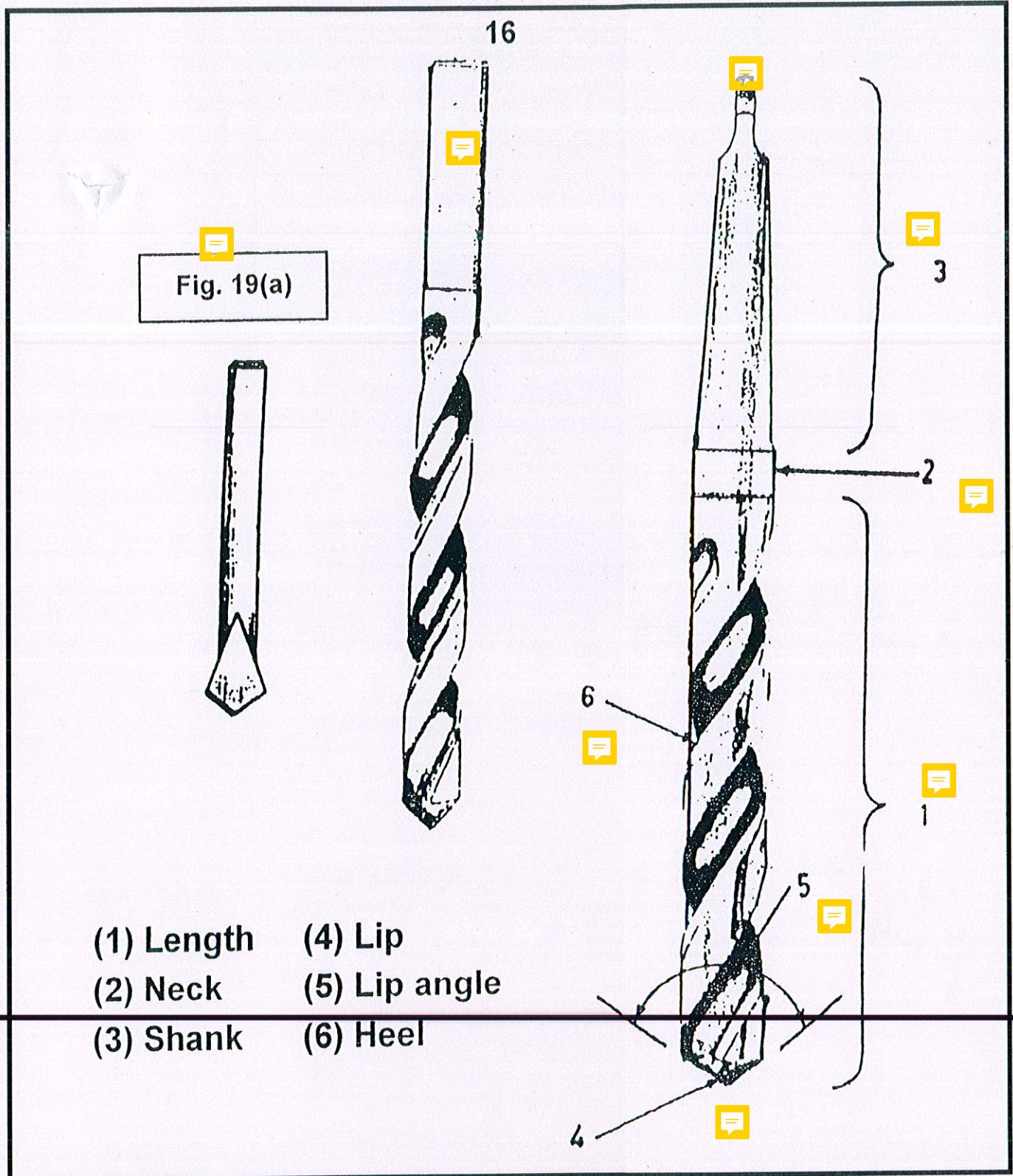
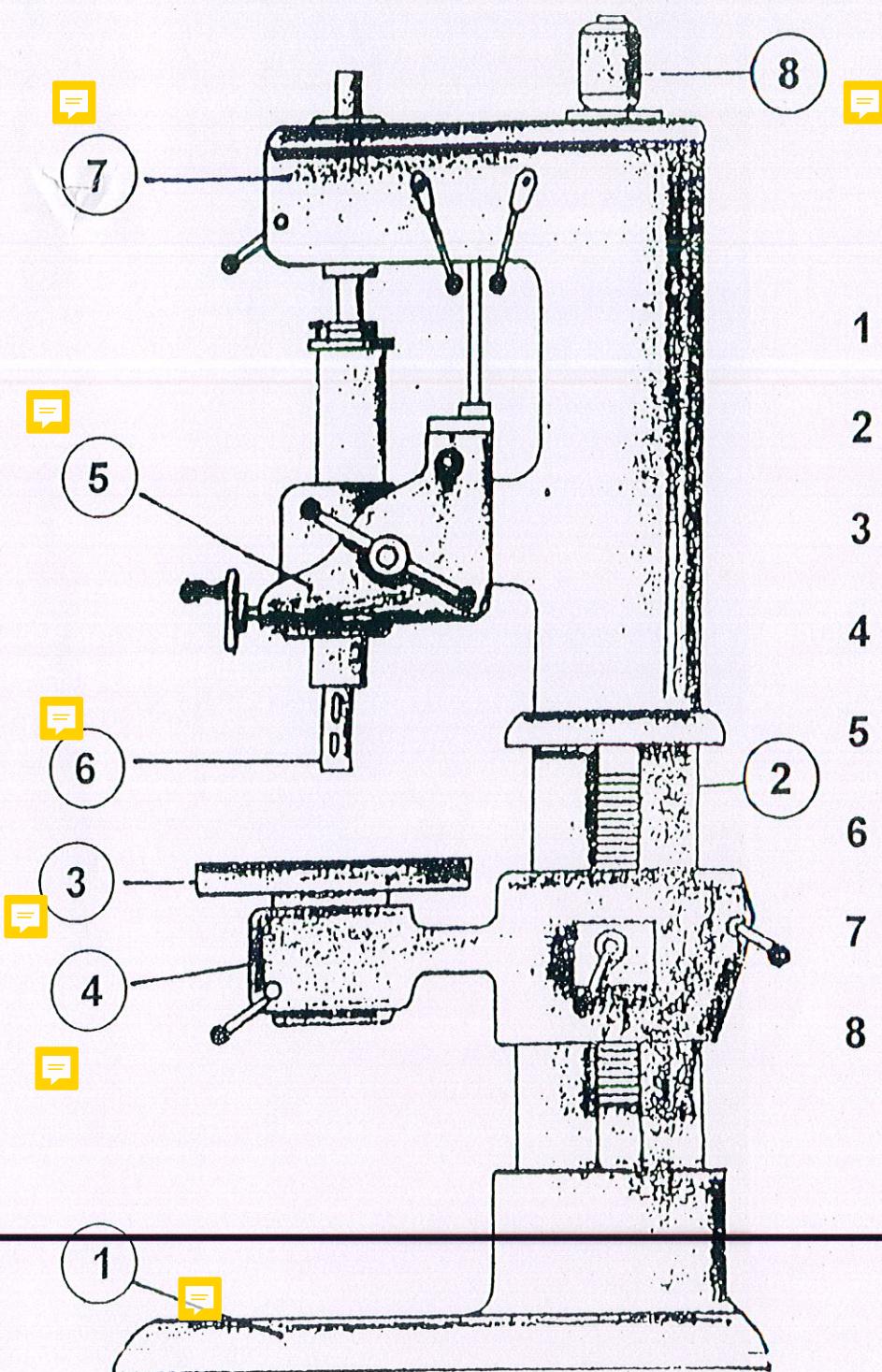


Fig. 19 (a) Flat Drill

Fig. 19 (c) Parallel shank Drill

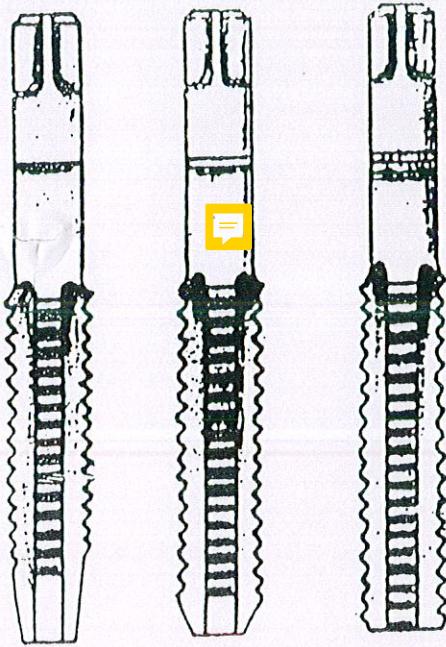
Fig. 19 (c) Taper shank Drill



- 1 Base
- 2 Pillar
- 3 Table
- 4 Bracket
- 5 Drill Head
- 6 Drill Spindle
- 7 Gear Case
- 8 Motor

Fig. 20

Pillar Drilling Machine



1. Rough
2. Intermediate
3. Finish

Fig. 21

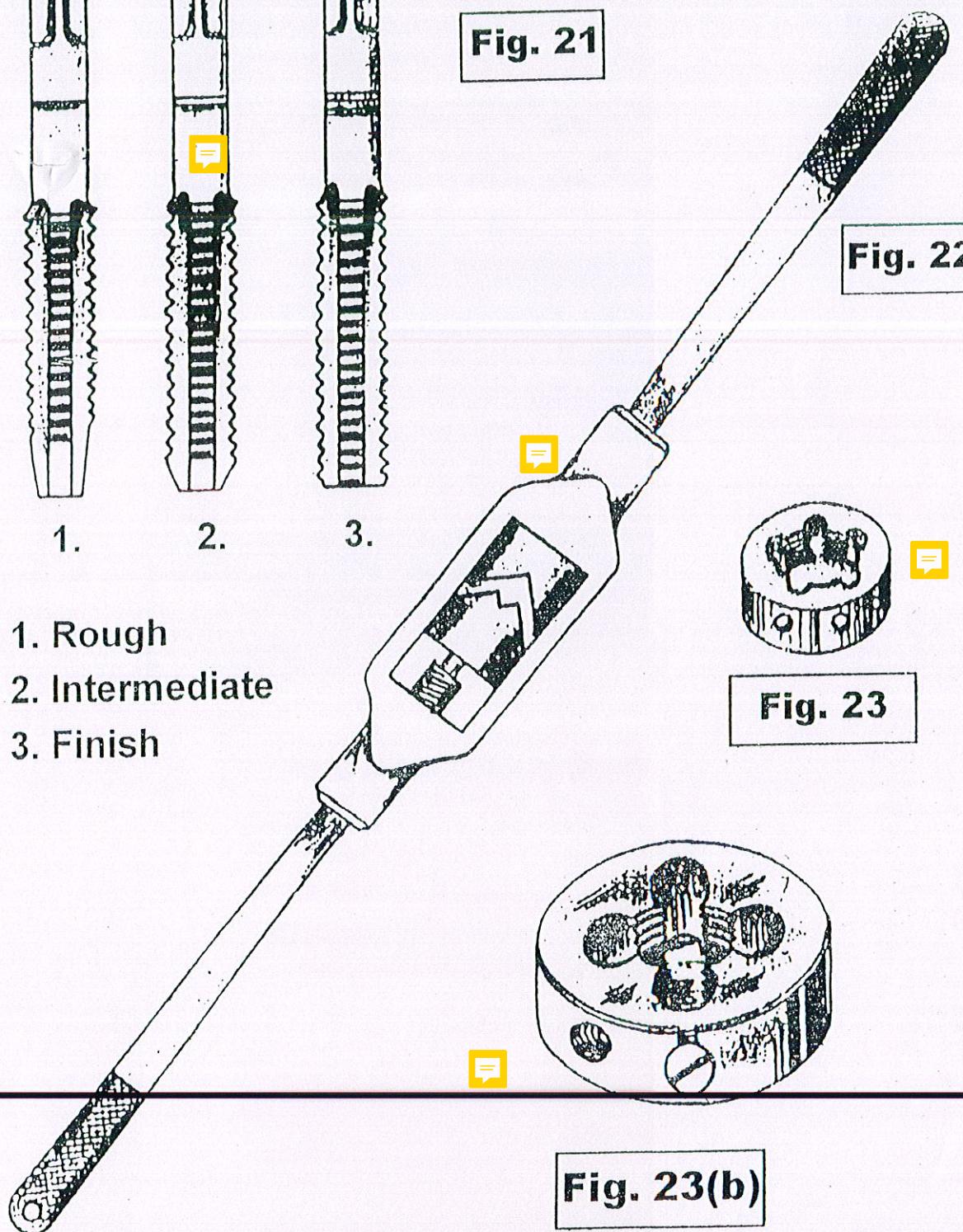


Fig. 23

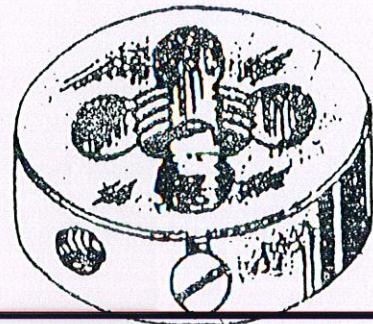


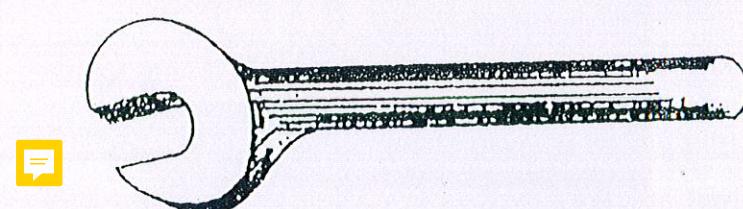
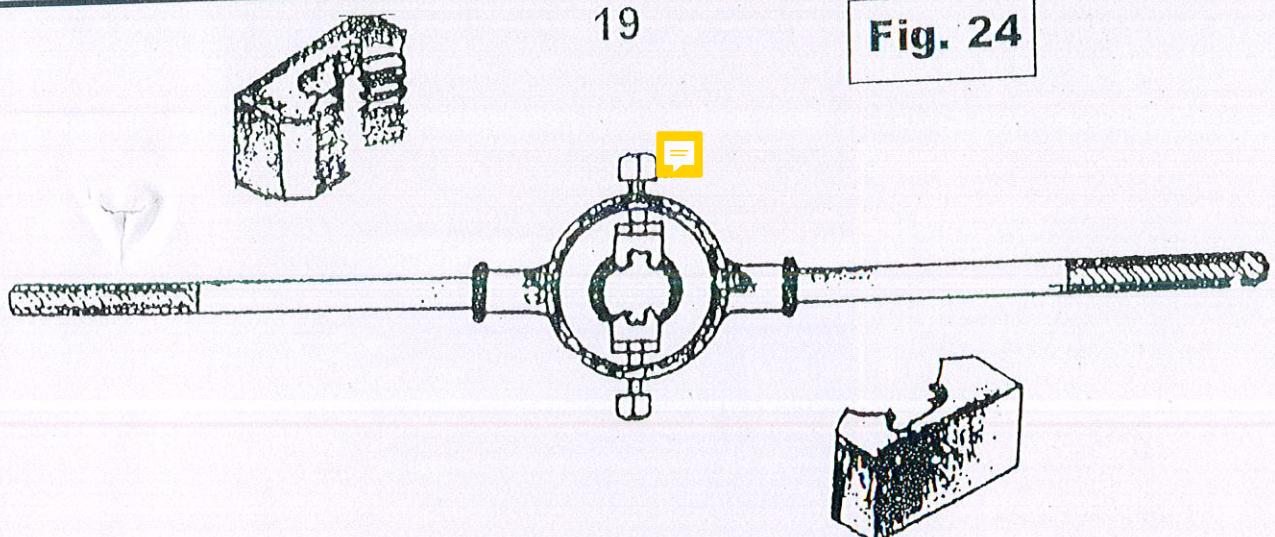
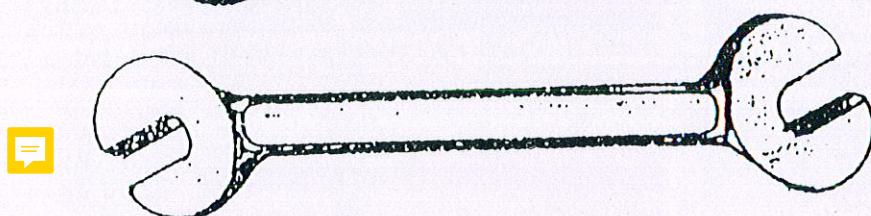
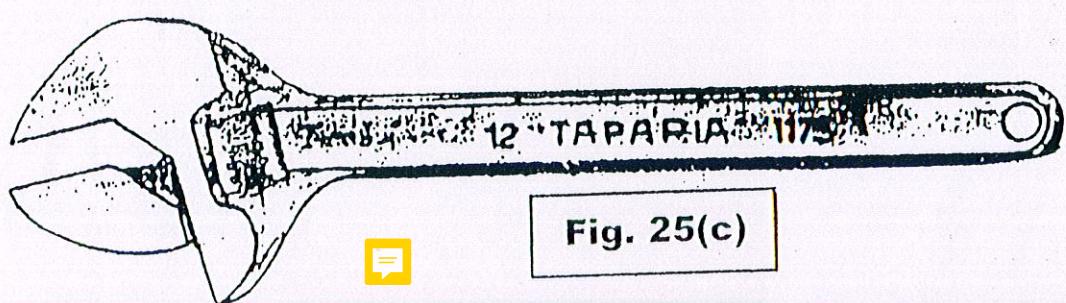
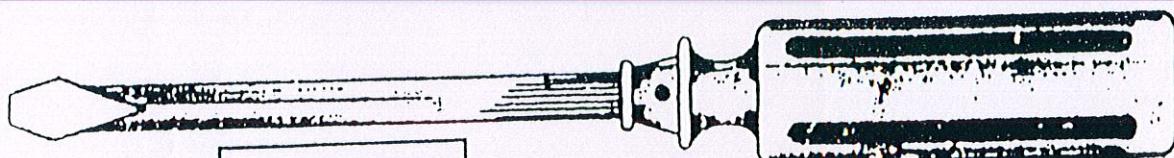
Fig. 23(b)

Fig. 21 Tap Set

Fig. 23 (a) Solid die

Fig. 22 Wrench

Fig. 23 (b) Adjustable Split die

Fig. 24**Fig. 25(a)****Fig. 25(b)****Fig. 25(c)****Fig. 26****Fig. 24 Two Piece die****Fig. 25 (c) Screw spanner****Fig. 25(a) Fix Spanner (one side)****Fig. 26****Fig. 25(b) Fix Spanner (one side)****Screw driver**