

F. J. Lee
LEE LAPIDARIES

1916 WEST 75TH STREET

CLEVELAND 2, OHIO

REGISTERED MAIL



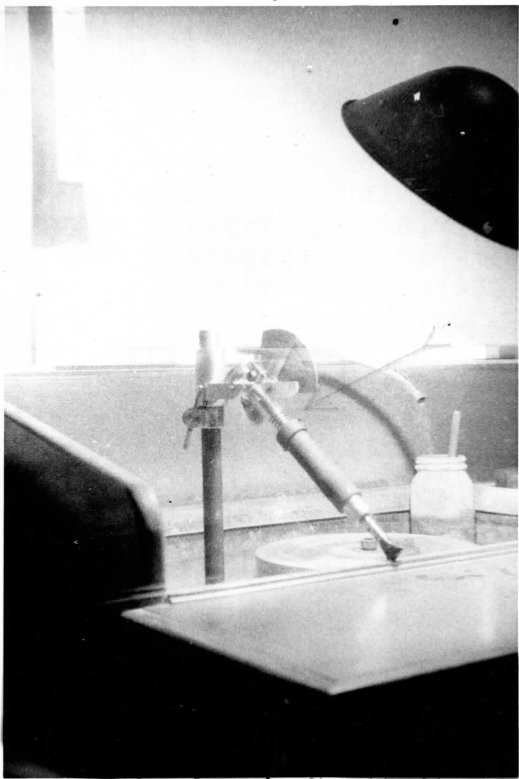
FREDERICK J. LEE
1916 W. 75th St.
Cleveland 2, Ohio

REGISTERED
N. 752344



Face & Head Description?

Facet-Head



Frederick J. Lee

2/23/51

Photo shows Facet Head designed and constructed by Frederick J. Lee in about 1946

Photo taken shortly thereafter. It is desired to reserve or protect all patentable features with the intention of applying for patents after further developement and possible changes or additions.

Most unique feature of this head is the index-tension spring (shown by arrow)

Other important feature is having the end of the dop (inner end, not visible in photo)

beveled so as to engage with another beveled part inside of chuck to allow for removal and exact replacement of dop in same position; otherwise dop is free to adjust in position by inserting not to full depth.

Bevel →



DOP (side)

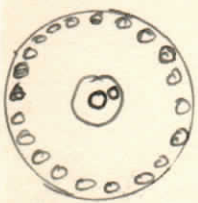


(End)

(Dotted lines show bevel)

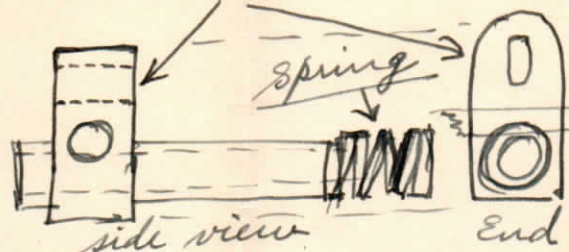
Further development of the Lee 2/23/51
 facet head (see attached photo for original)

Index wheel (any No. of holes)



adjustable cam-action
 Index pin + locking nut.
 (Slot and other part shown
 to the right)

Slot for index Cam
 shank



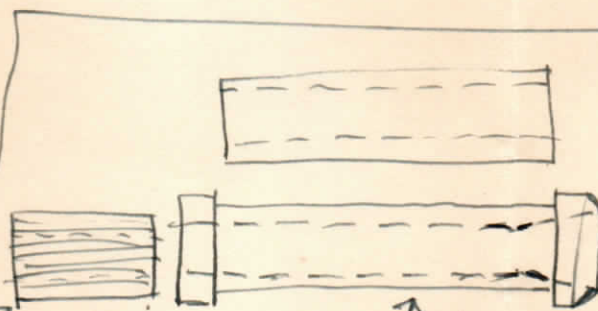
Facet head spindle



offset pin +
 threaded hole for
 positioning +
 locking index wheel

Threaded

Collet type
 end.



Collet-Chuck Tightening nut

collet closing sleeve
 serves as handgrip.

Other features of facet head
 to be illustrated separately

Covered with piece of
 soft rubber tube for
 improved hand-gripping

By Frederick J. Lee