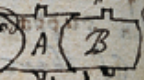




4 Also $D = S =$ Cartes his Conu^x wheels may be turned on one
 have a concave wheel ^A ^B ^C
 made use of without
 of a pattern

5 In turning the
 concave wheels A
 it will ^{be} best to
 wear it with a
 stone P & let the
 straight edged chissell D serve for



a pattern. And it may be convenient
 to grind y^e stone (or iron) ^{in y^e fashion}
 of a cone S that it may fit y^e hollow
 of the wheels A. The angle of wh^{ch} cone is
 a right one or something greater if you please
 6 ~~grind the stone to the same shape as~~



Draw $ab = q$; ac & cb of any
 length or intersecting one
 another at any angles.
 to make up on the triangle
 abc . Suppose y^e ac be
 called b , & that bc
 then is d the distⁿ
 of y^e focal point
 ac to d so
 that

$ad = dd - ee$. Then draw bk through y^e point d
 draw eh parallel to bc , lastly with the sides bc
 ek & angle hik describe the cone $hsklm$. Then
 produce ba to g & ag being y^e axis of a
 section mat shall be y^e sought Hyperbola

7 Since the proportion of cb to ab & $\angle cab$
 not determined it will be most convenient to ma

$cb = ab = e =$
 will be
 the Hyper
 drawing
 & $pd = 2e$
 Radius: r
 Easily
 9 Ha
 & without
 perpendicular
 being dista
 & of y^e eq
 cone; his
 10 the
 vertex of
 for that e
 y^e figur
 [By y^e
 tion, y^e d:
 are mensur
 d:e :: 20:13:
 Or d:e :: 66:

for y^e Ell