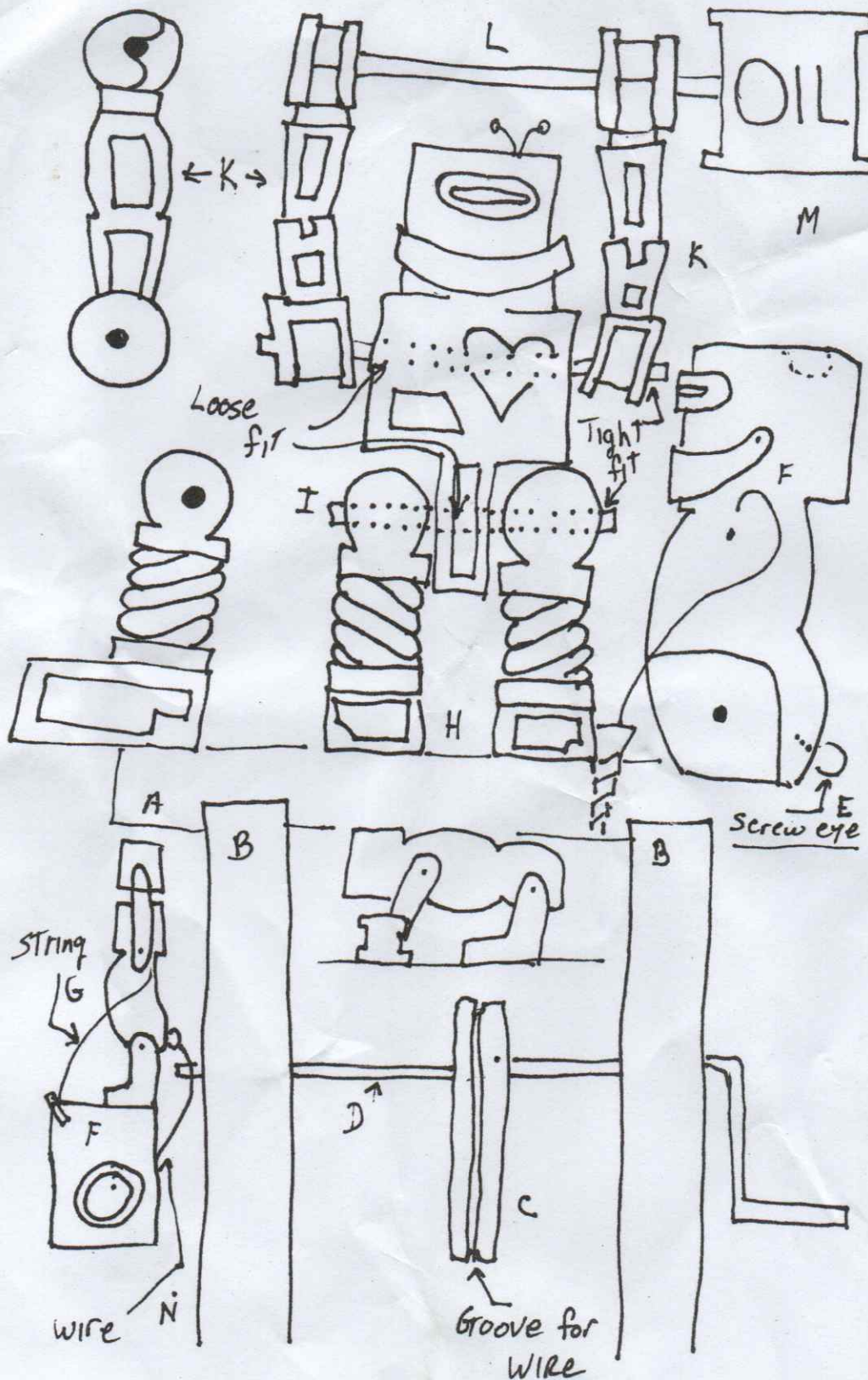


Matt's Robot Power Lifter Automata Carving Instructions



Base

- 1 platform $\frac{1}{2}$ by $2\frac{1}{4}$ by 4
- 2 sides $\frac{1}{2}$ by $2\frac{1}{4}$ by $3\frac{1}{2}$
- 1 cam $\frac{3}{8}$ by $1\frac{3}{8}$ dia
- 1 cam lock $\frac{3}{4}$ by $\frac{3}{4}$ by $\frac{3}{4}$
- 1 crank 1 gauge by 5
- 1 $1\frac{1}{4}$ - 20 by $\frac{1}{2}$ screw

1 Drill $\frac{1}{8}$ inch hole in each side $1\frac{1}{2}$ inches from bottom and $\frac{3}{4}$ inch from back.

2 Dado platform $\frac{1}{2}$ inch from each edge $\frac{1}{4}$ inch deep to fit in sides

3 Drill and tap center of cam lock for $\frac{1}{4}$ -20 thread

4 Glue cam lock block to cam at an edge

5 Drill $\frac{1}{8}$ inch hole $\frac{3}{8}$ inch from edge of cam. It should go right through the tapped hole

6 Bend crank 1 inch and the $\frac{3}{4}$ inch to form handle

7 Test fit everything