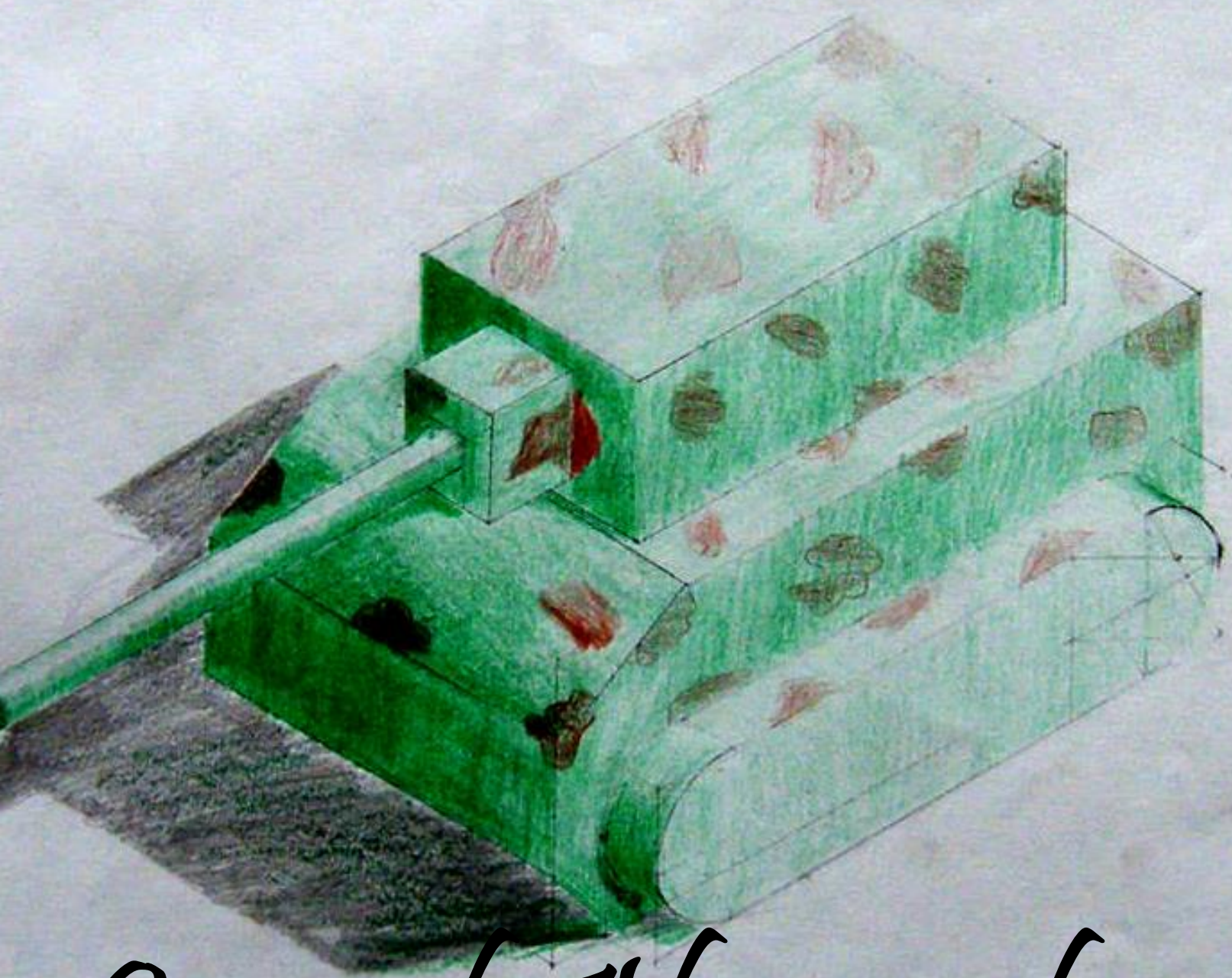
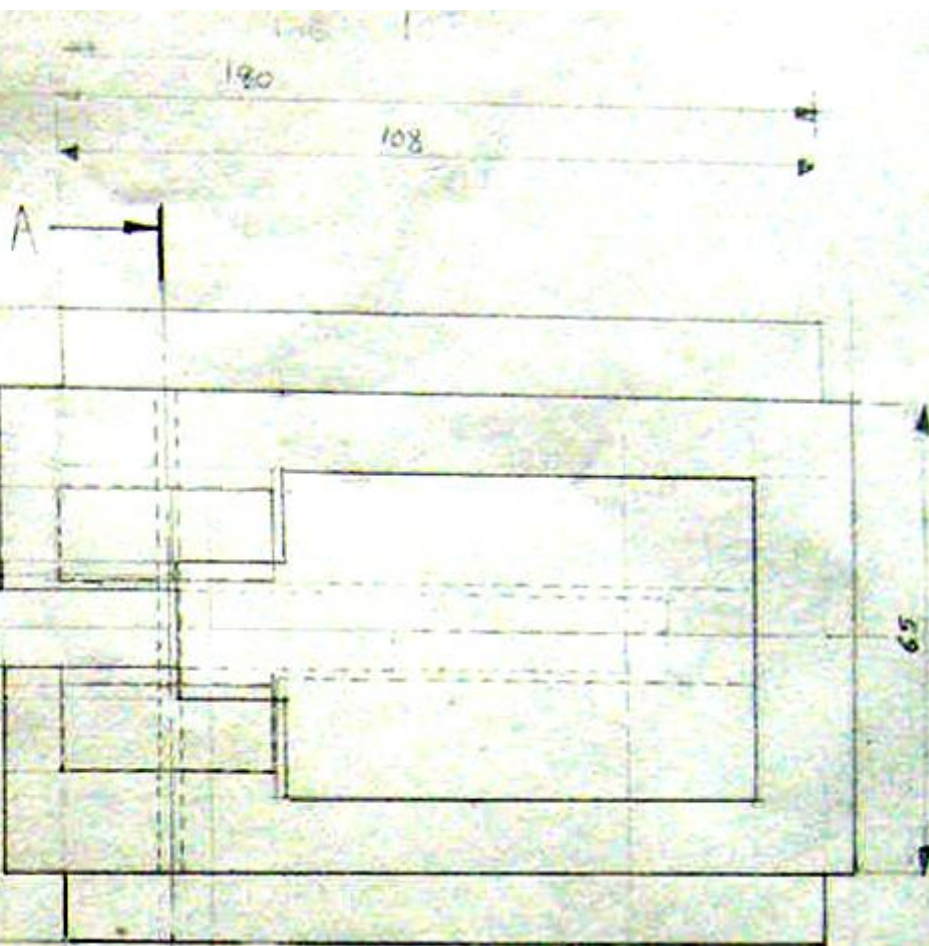




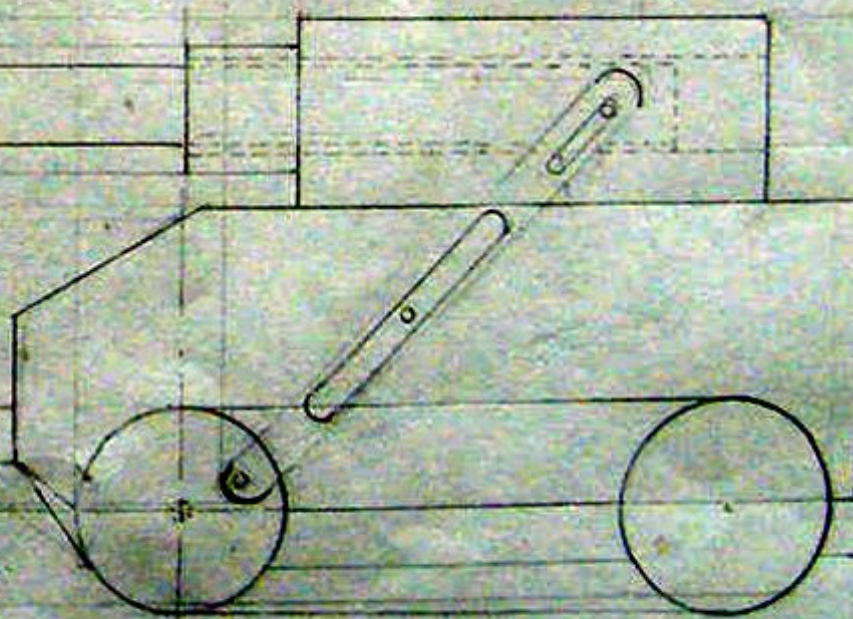
Jarad Alexander

Draughting Papers 2008



A

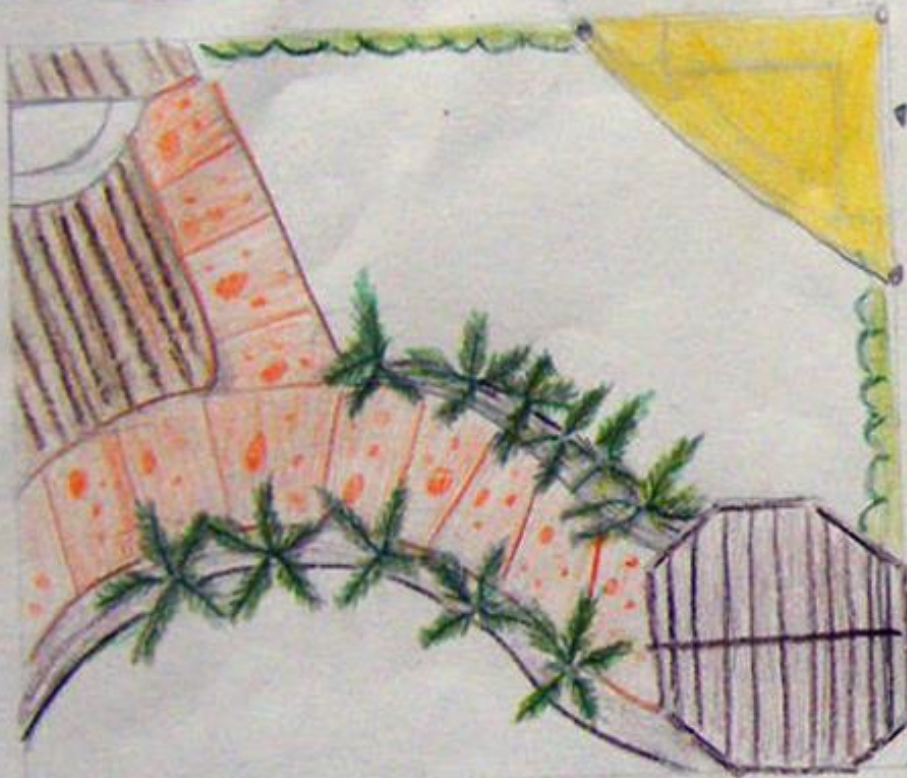
PLAN VIEW



SIDE ELEVATION

GARDEN

In this garden, the shape of the playhouse has been changed to an octagon instead of the square to make the garden less plain. The ellipses are made by the gardens edging and the path creates tangent arcs. The shade cloth provides the parabolas using the edges. The seat has not been changed at all and can still seat four people.



The seat is 1.5m x 1.5m
From the anthropometric data
The seat can easily seat 4 people



C = 430
Anthropometric data

Final Evaluation

In this final design, a large tree has been added which could provide shade over the beginning of the path and part of the deck. A path has been added to the garden which runs off the first path by the large tree and connects to the seat. This will stop children from getting their shoes dirty as they no longer need to walk on the grass. The palm trees on either side of the path that leads to the playhouse, begin small but get taller closer to the playhouse the trees become taller which leads you along the path and provides rhythm and movement. The geometric shapes in the garden are the playhouse which is an octagonal prism. The garden edging creates ellipses and tangent arcs. Also the shade cloth creates the parabolas which are in the edges of the garden. The seat has not been modified and still seats four people.

MODIFICATIONS

m
c. data
at 9 people



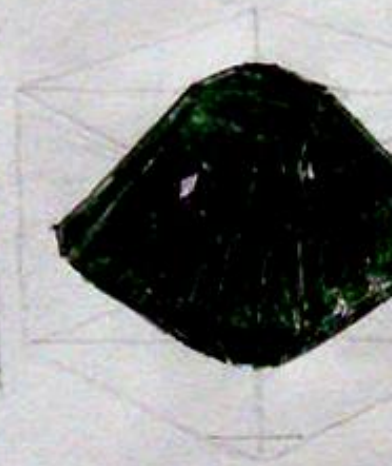
de extra
has also
tree and it
ing muddy
run on
as they get
ong the
within this
s edging
parabolas
ied and can

NZQA
Assessed

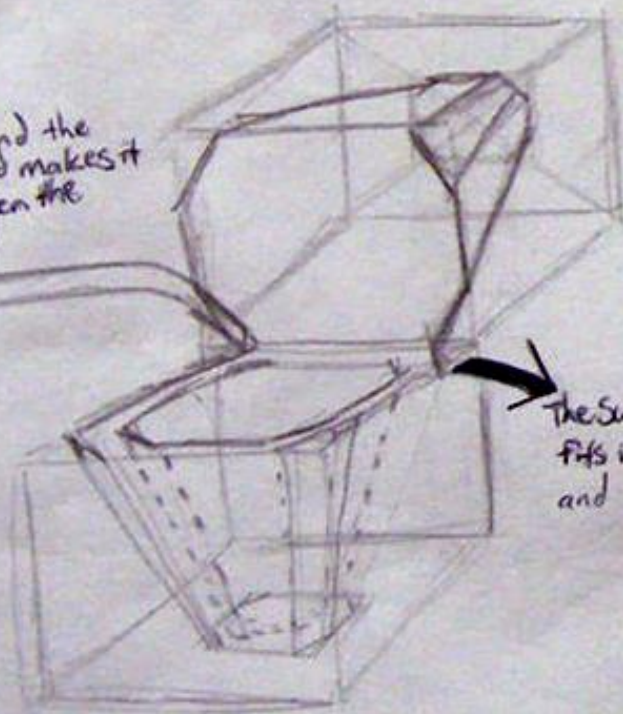
PACKAG



This package has
octagonal py
the base of
in the cen
so it can



This rip tab fits around the
package and makes it
easy to open the
package

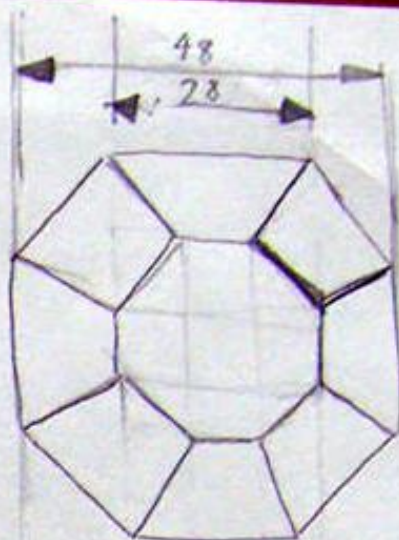


The Sweet easily
fits in the package
and can hold two sweets

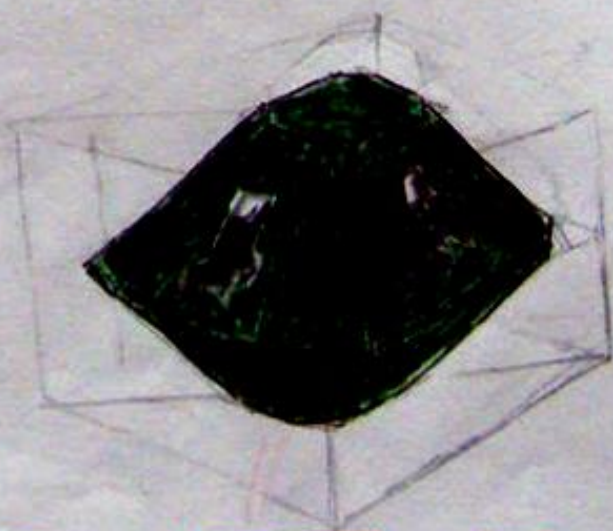
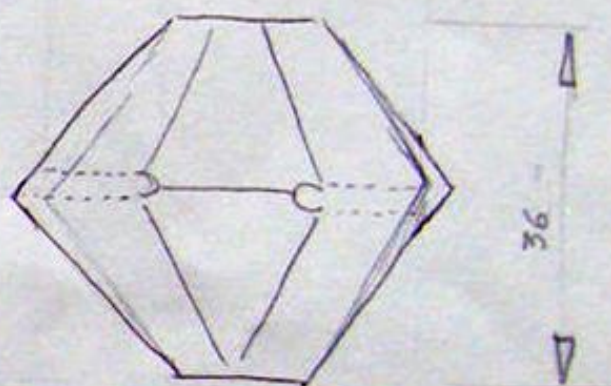


SE

as two truncated
ramids connected at
each. It can be pulled open
the but has some paper/kyrboard hinges
open up



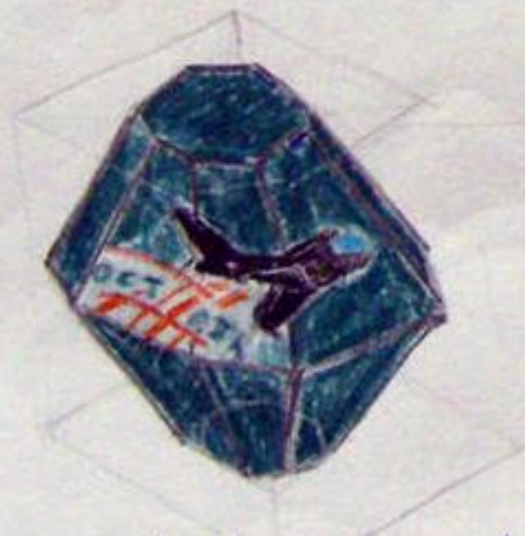
This package is made up of two
truncated octagonal pyramids.
They are connected at the base of
each. The logos are placed on the
front, back and the two biggest sides.
This design has hinges and tear lines.



NZQA
Assessed

CATIONS

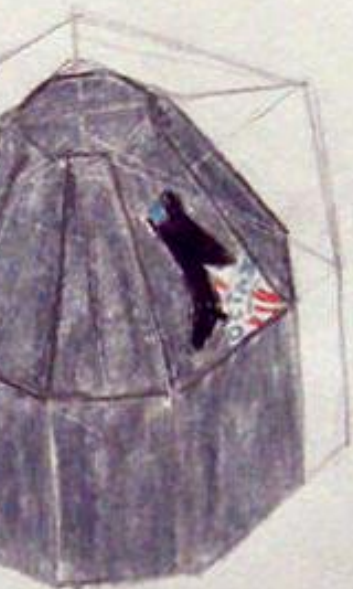
PACKAGING CONCEPT



Ngaruauehia High School
JARAD

- This shape is a truncated octahedron.
The package is made up of two truncated
octagons connected at the bases. The sweets
would fit in the packages easily and to get
out they pull in holes.

SE TS



This package is truncated octagonal pyramid on the top and on the bottom the shape is an octagonal prism. The bottom



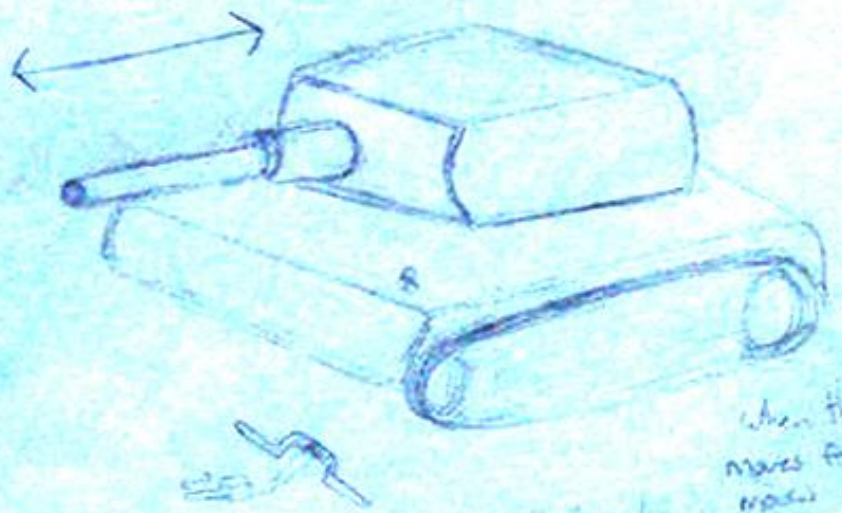
This package is also two truncated octagonal pyramids connected but this time they are connected at the top of the octagon.

NZQA
Assessed



This package is an octagonal prism the Pogo is on the top on the prism but the Sweet may not be able to fit in easily.

Toy



CRANK
AND
SLIDER

When the
crank moves
forward & back
this action
using a
slider



TH
on
the
wheel
car

CONCEPT

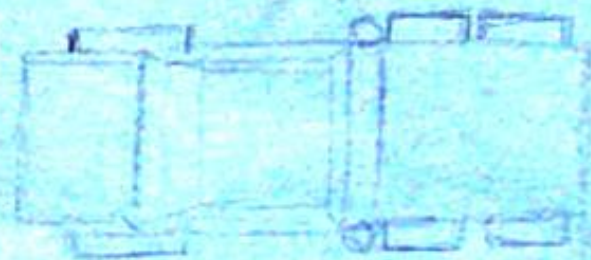


as the wheel
turns it moves the
steering arm causing the
propeller to turn

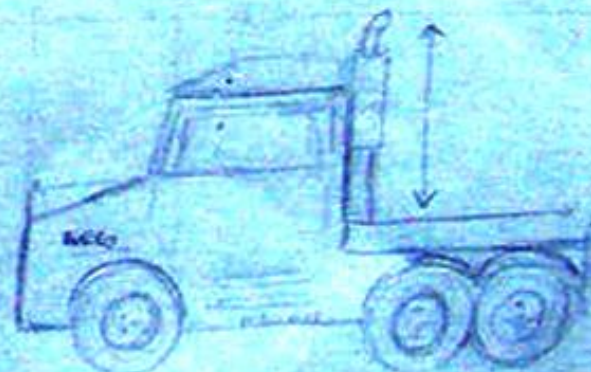
CHANGE AXES
of
ROTATION



linkage
and the
and out
works
a crank and
mechanism



the chimney
this train
and train using the
mechanism
and followed



When this big truck is
pulled along the hitch sticks move
up and down using the cam and
follower mechanism.

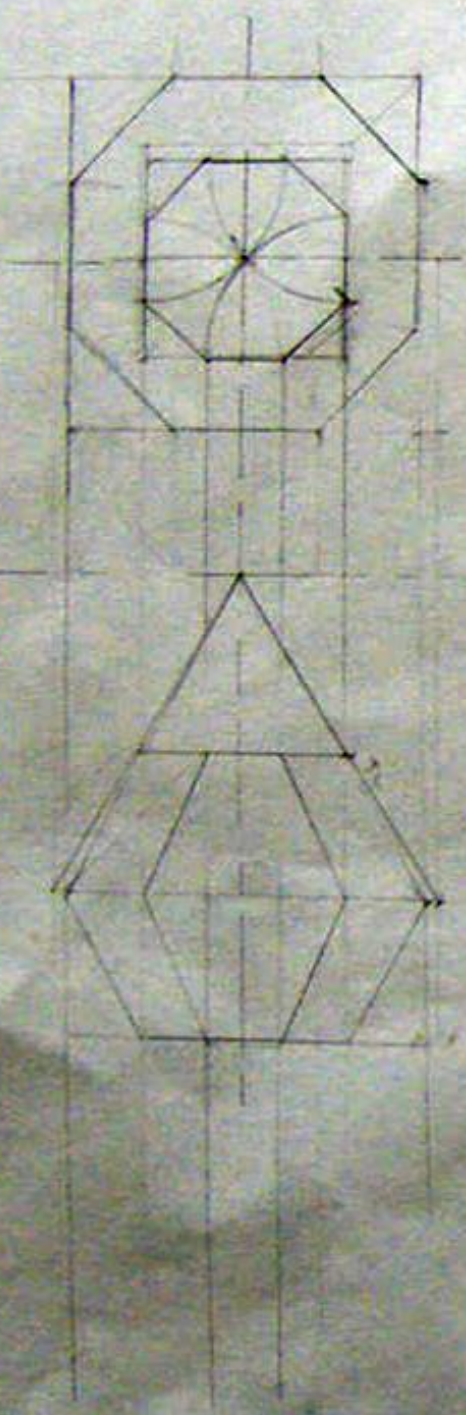
Cam and Follower



NZQA
Assessed

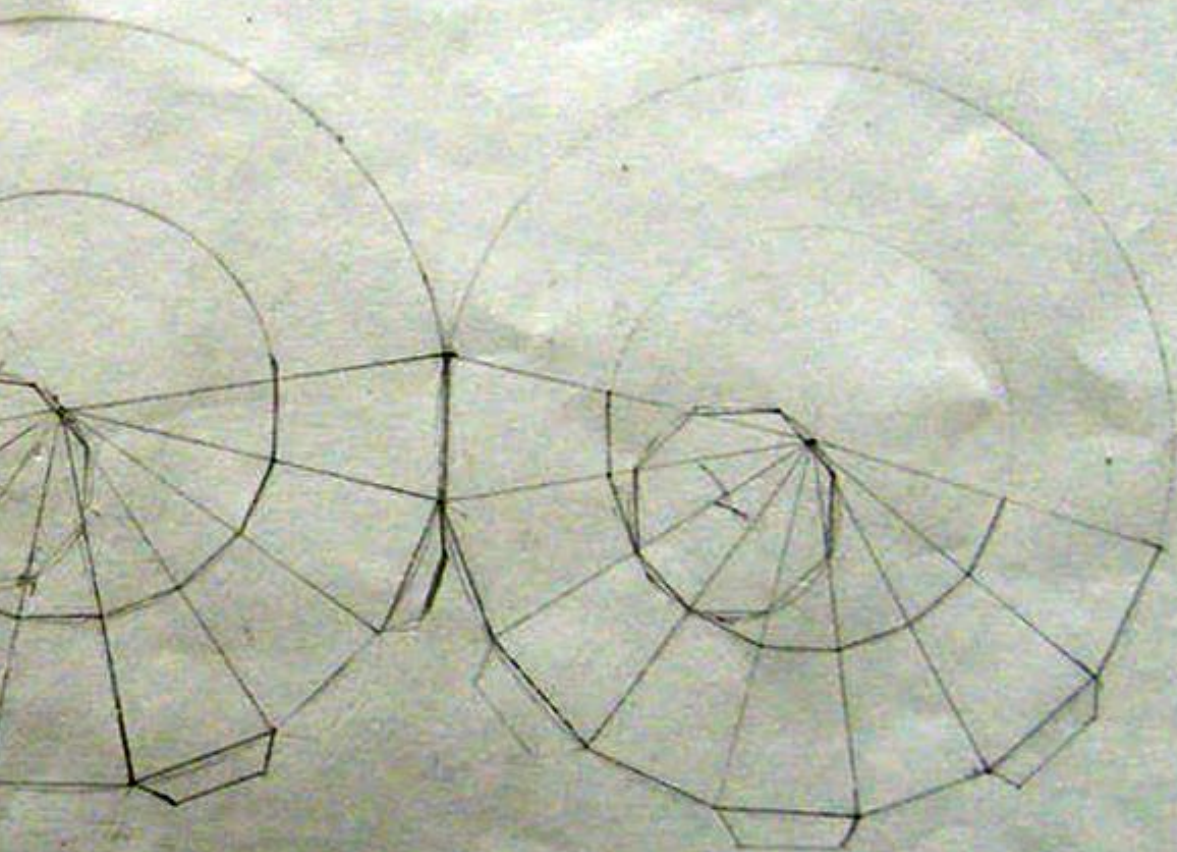
David N. NHS

S



27 MARCH 2008
SCALE 1:1

SWEET PACKAGE



NZQA
Assessed

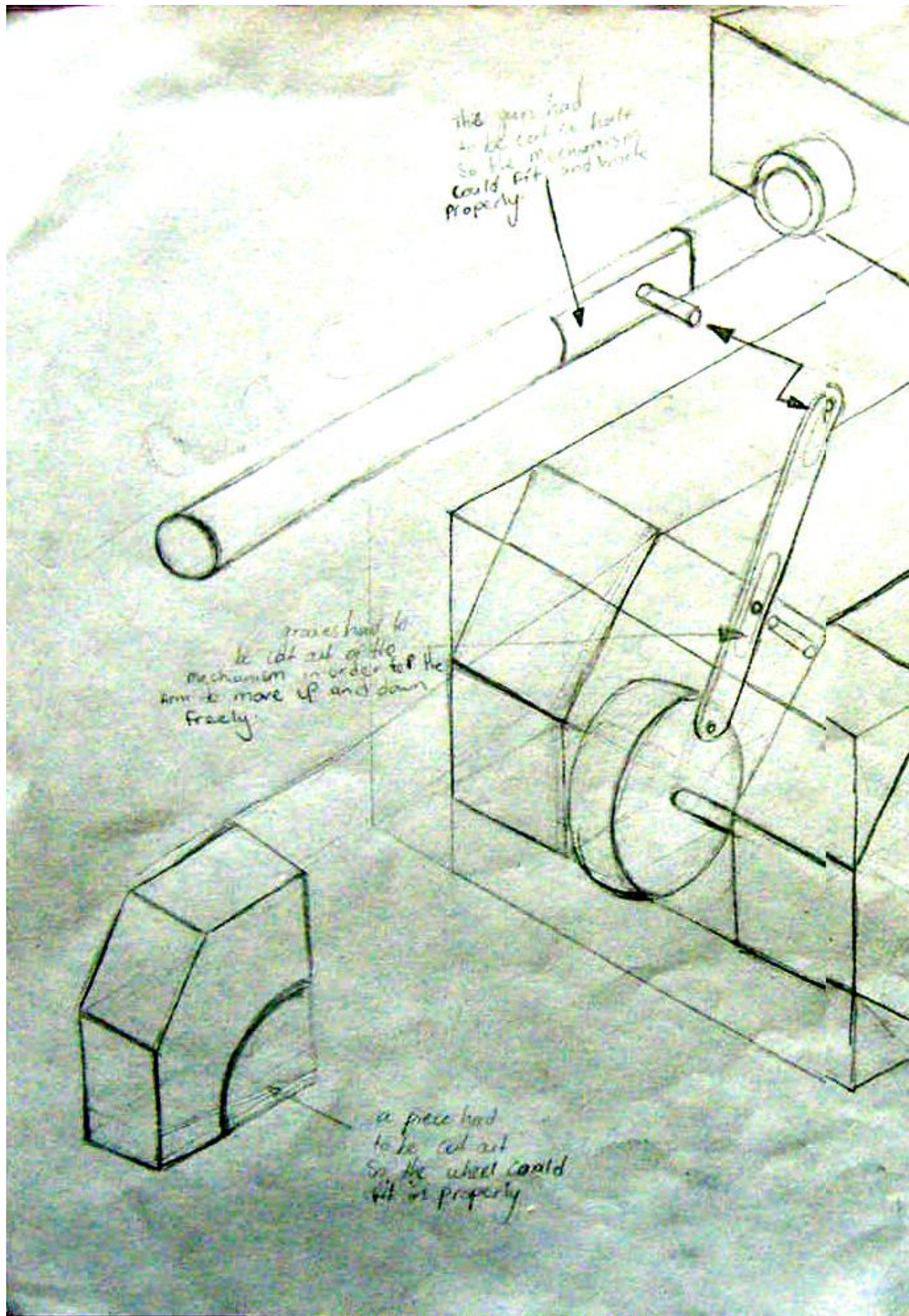
DEVELOPMENT

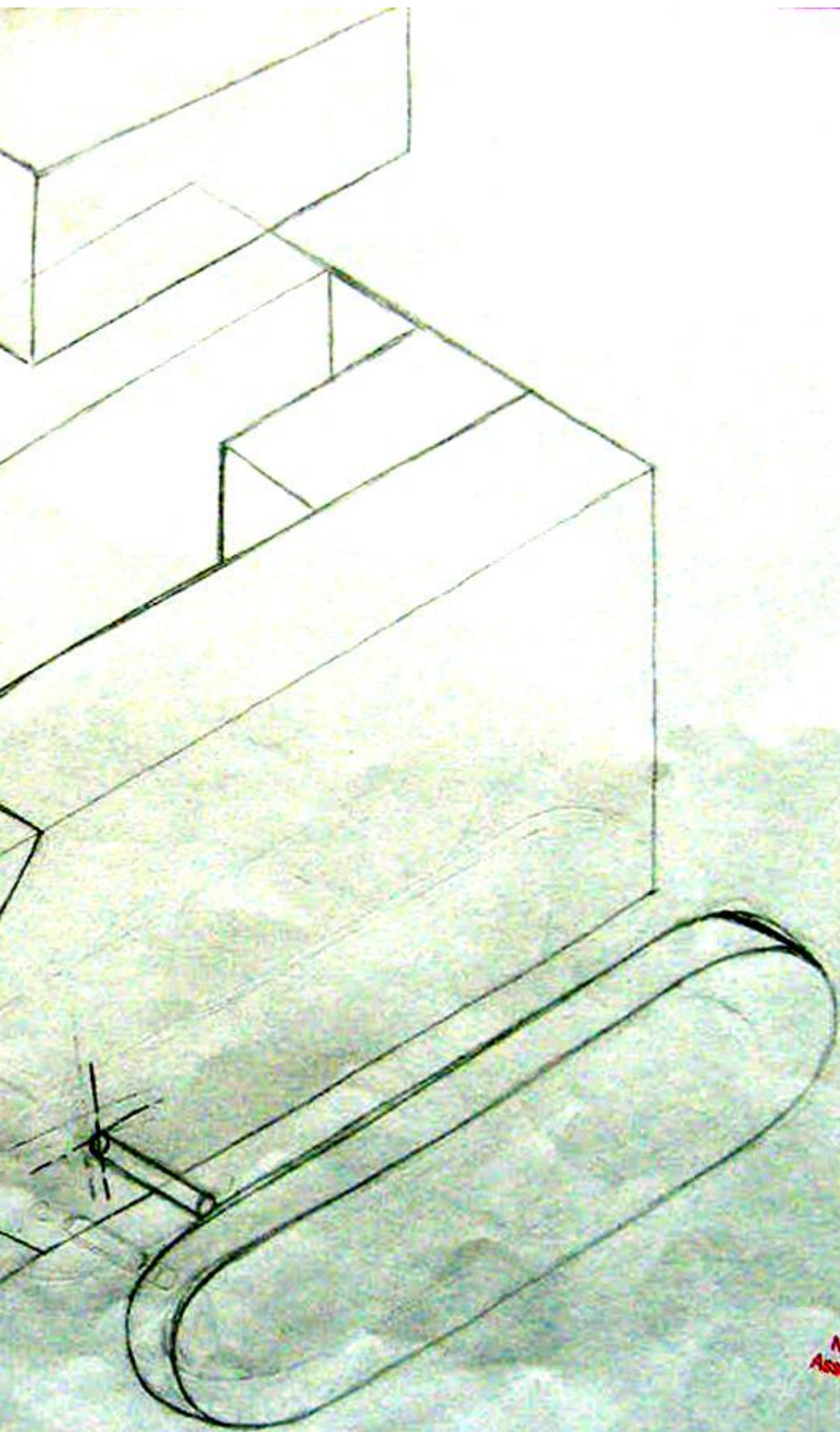
JARAD NHS

this part had
to be cut in half
so the mechanism
could fit and work
properly

frames had to
be cut out of the
mechanism in order for the
arm to move up and down
freely

a piece had
to be cut out
so the wheel could
fit in properly





NZQA
Assessed

David Alexander
N.H.S.

TANK

TANK CONCEPT



This tank uses the
crank and slider
mechanism.

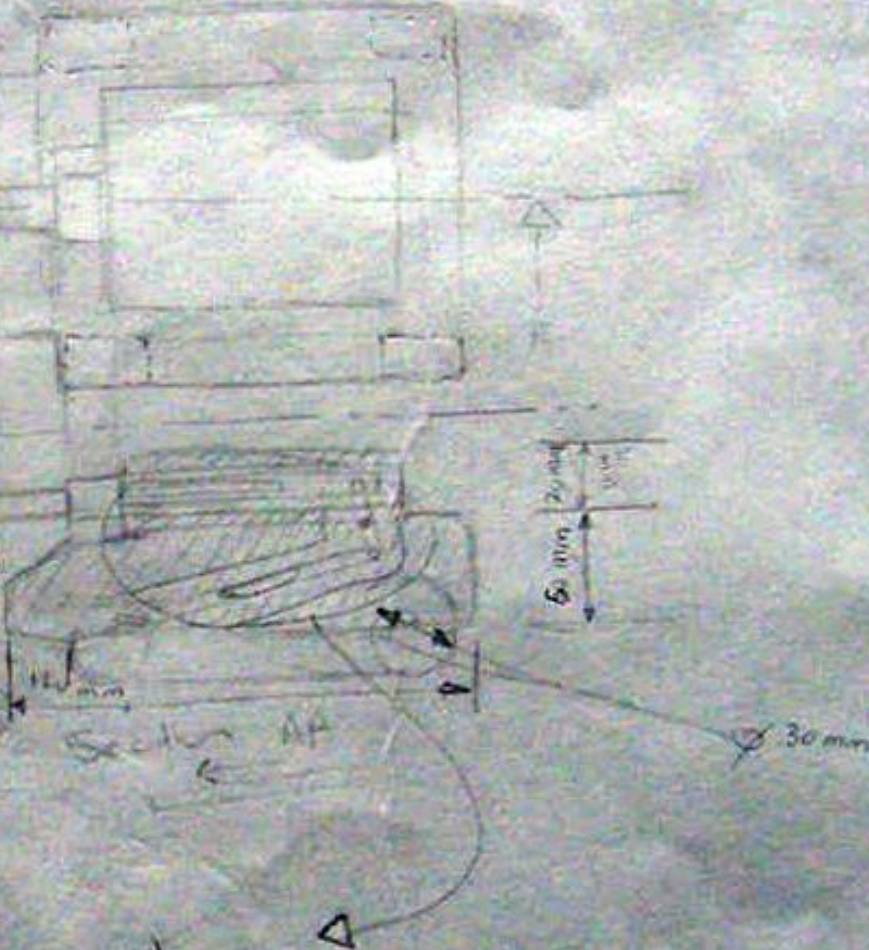


MODIFY

Y

Jared
N.H.S

sectional view

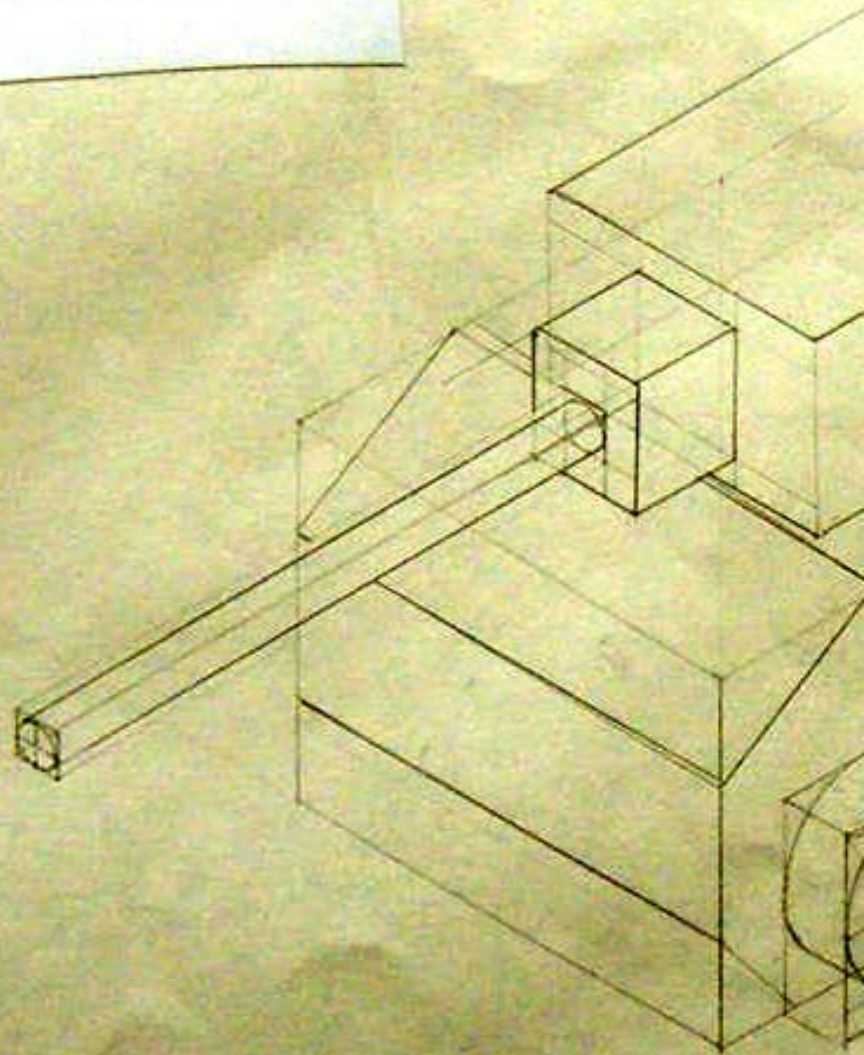


Detailed
sketch
of
mechanism

NEQA
Assessed

IFICATIONS

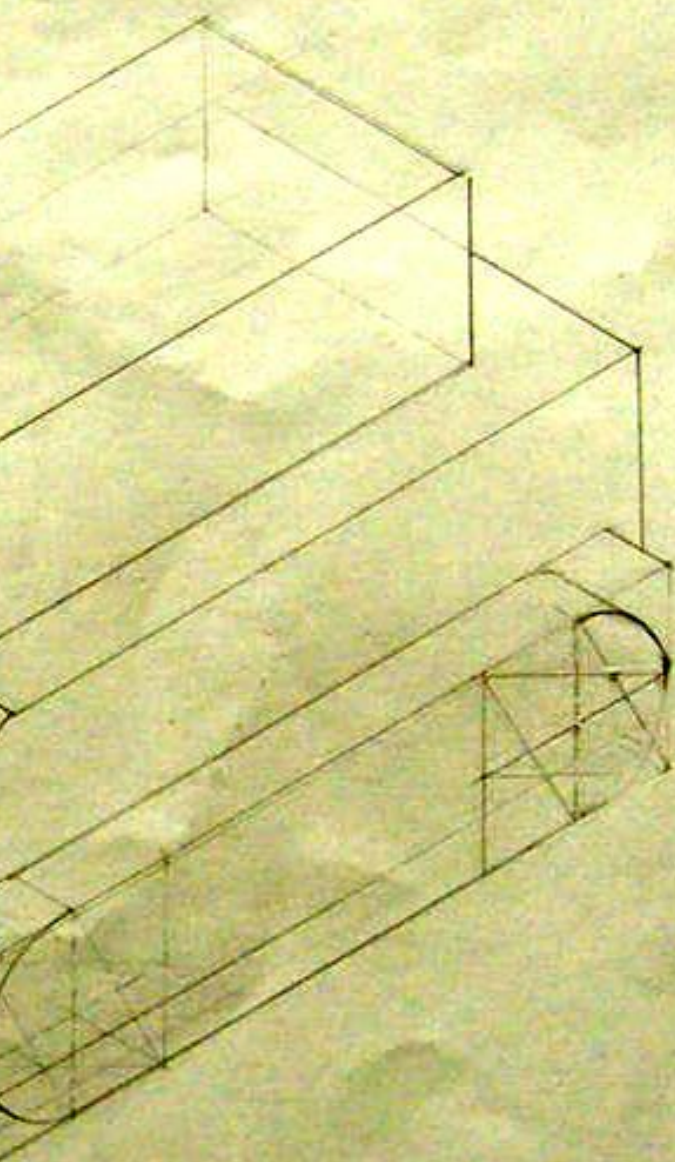
I drew the tank in isometric to show the proper depth of the toy and also because it looks more realistic. Isometric was also used because the measurements could be directly transferred making the toy more accurate. I also chose to use isometric because this is the main view people will see as they are pulling the toy along. I didn't chose oblique because it wouldn't show the whole tank and it isn't very detailed, as it only shows one side of the tank.



21 OCT 08

SCALE 1/1

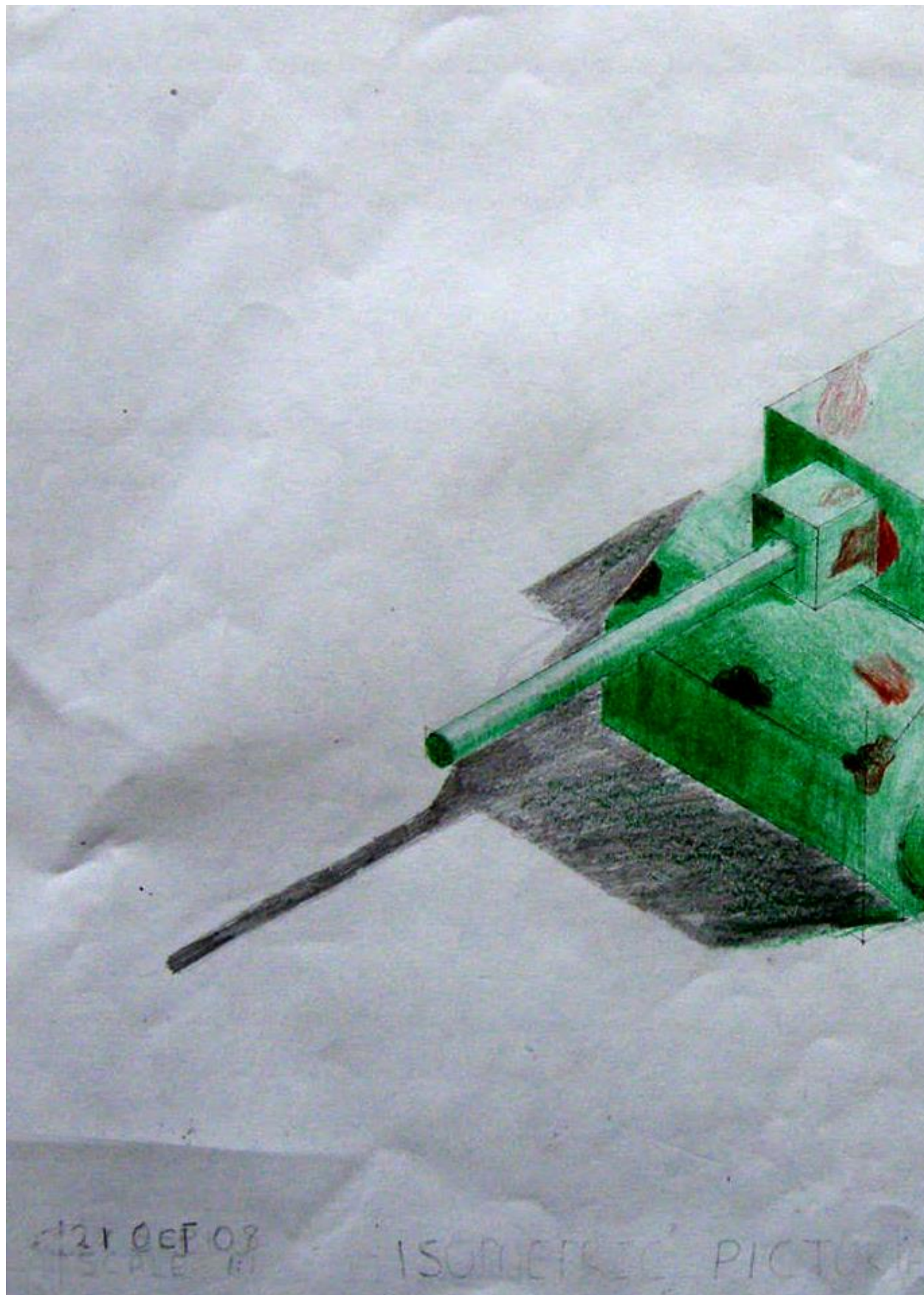
ISOMETRIC PICTORIAL

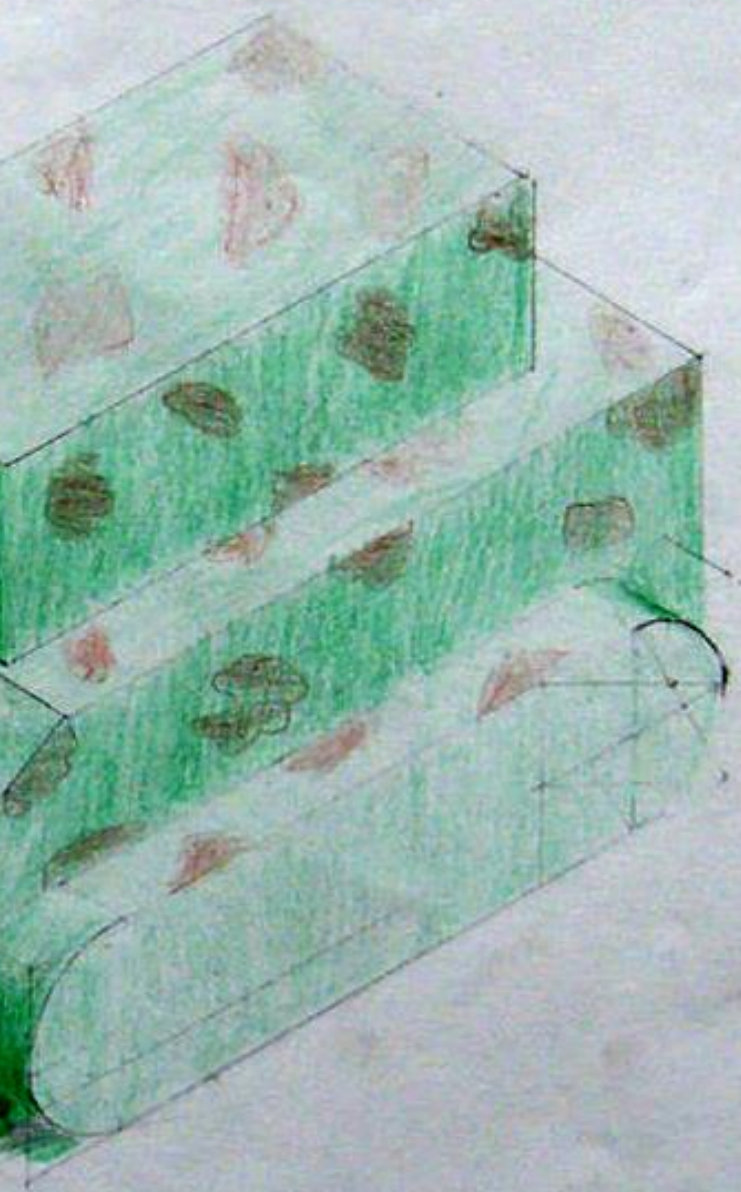


AZQA
Assessed

OF TOY

JARAD
NHS





NZQA
Assessed

EX OF TOY

JARAD
NHS