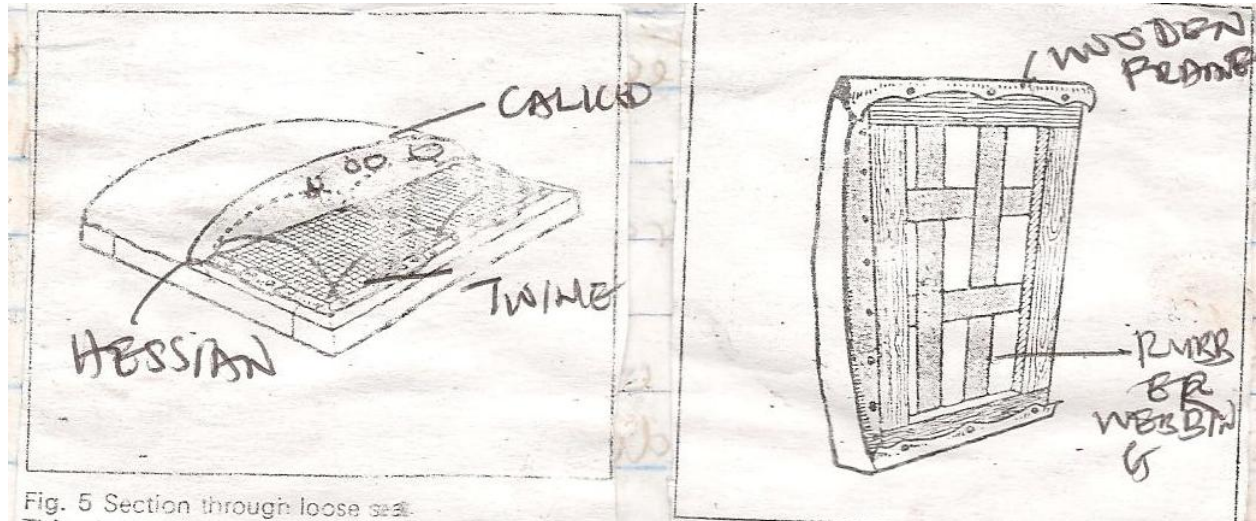


NATIONAL TECHNICAL CERTIFICATE EXAMINATION
FURNITURE MAKING (FURNITURE DESIGN AND CONSTRUCTION)
PAPER CODE 231 – 1 MAY/JUNE 2005

1a. sketch how to pad a loose seat dining chair?



1b. Name five hand tool to be used for the budding of a loose seat dining chair?

Answer: (i) measuring rule (tape)

(ii) Web pincers

(iii) Upholstery ripping chisel.

(iv) Ringed handled hammers.

(v) Scissors.

1c. List five materials used for padding?

ANSWER:

- (i) Plywood 6mm to 18mm thick large enough to form the base and back of the chair
- (ii) Foam rubber, slab stock 38mm to 50mm. Thick firm compression.
- (iii) Contact adhesive
- (iv) Upholsterer's tack or a hand stapler.
- (v) Hessian

(vi) Calico

2a. Describe five upholstery fabrics

(i) Armure (French)

The name given to small ridge patterns like birds eyes pebble, diamond or a pattern similar to chain armour.

(ii) Artificial leather: - Trade name is "leather cloth" a cotton fabric (sateen dull or duck which is coated with a propylene solution and has a leather grain stamped on the surface.

(iii) Bengaline: - similar to ordinary rep or polin with cords extending lengthwise or crosswise.

(iv) Blush: - very heavy fabric in pile weaves piles is longer than that of velvet or velour.

(v) Brocade: - luxurious silk, fabric in jacquard weave with figures, flowers foliage or other ornamer in a raised pattern.

2b. STATE TWO FACTORS OF SELECTING UPHOLSTERY STUFFING?

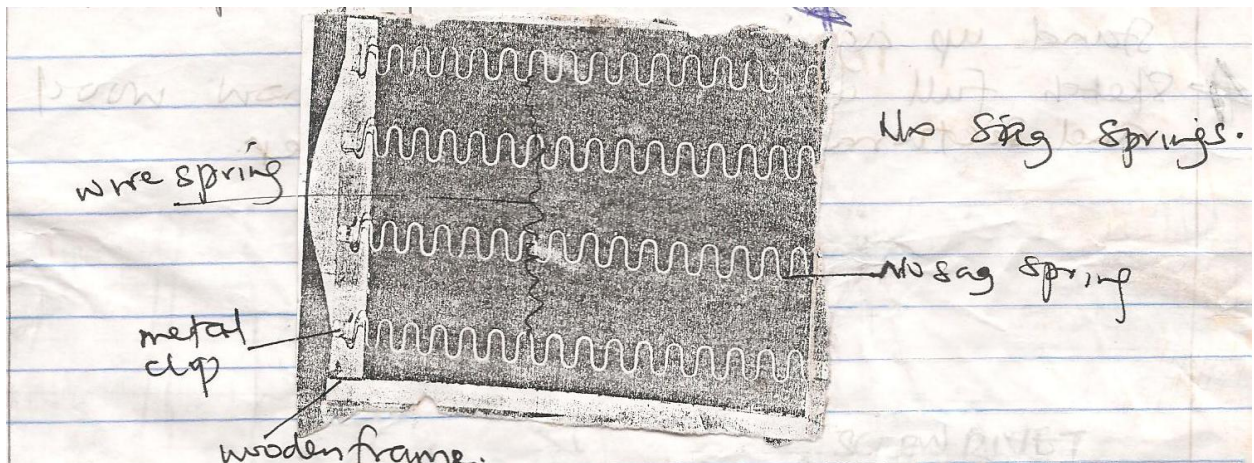
ANSWERS: (I) colour

(ii) Cost.

Colour: Cool color such as blue, green, blue, violets and their various shades are restful colours which are said to recede and make furniture covered with them seen smaller.

Cost: - Another important consideration in the selection of upholstery fabrics is the cost to the person for whom the piece of furniture is being covered.

2c. sketch how to fix no sag springs in upholstery work?



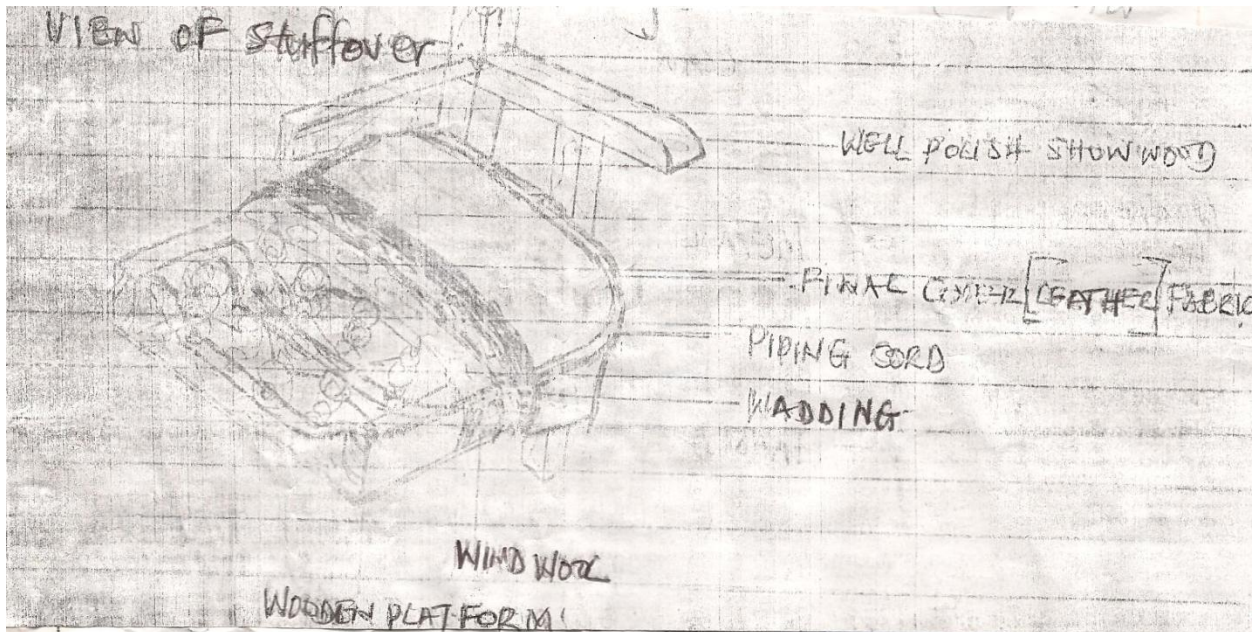
3. State five advantages and five disadvantages of spring unit foundation with coil spring?

Answers: Advantages':

1. The coil spring unit foundation comes in different varieties and shape.
2. It can be easily used with other stuffing materials such as metal bar or on suite web platform.
3. It was not easily compressed while in use
4. Coil spring platform do not use much wood as its used in solid platform.
5. Coil spring give allowance for many usage of if on the platform. The number on a row varies to use.

Disadvantage of spring unit with coil foundation.

1. Coil spring platform easily break while in use because the thickness of the coil is light
 2. While in use, whenever the links wore on the cool break the coil spring shape will be deformed.
 3. Coil spring platform does not last like the no-sag spring of the solid foundation.
 4. Coil spring unit foundations make noise whenever we sit on it and when we stand up again.
4. Sketch full upholstery having show wood and sectional view of stuff over.



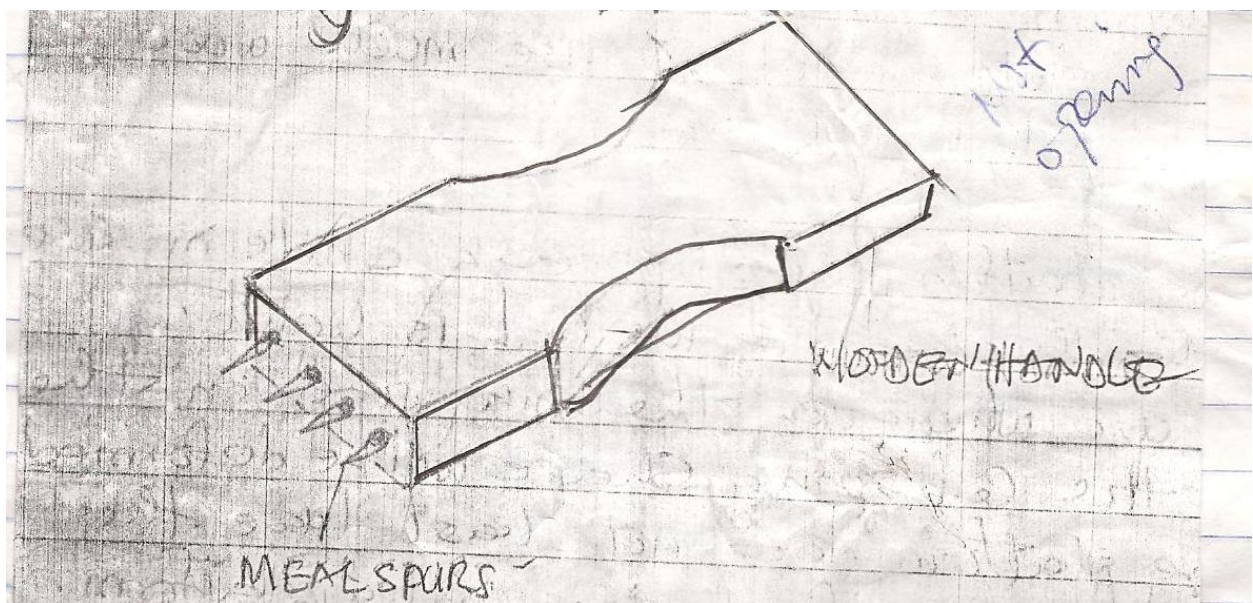
5. Sketch and describe the following tools.

a)



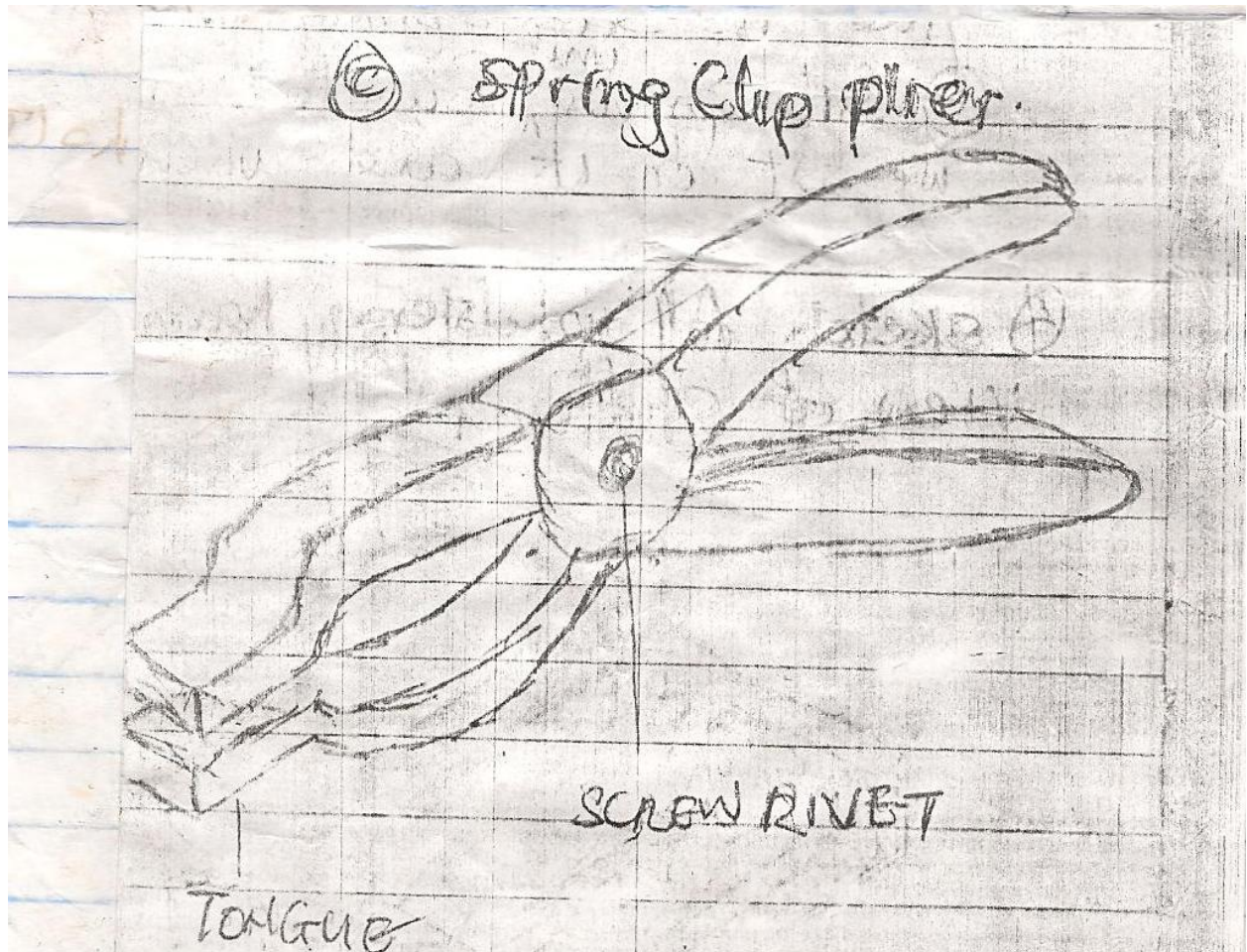
Uses:- used to remove tacks when upholstering

5b. webbing stretcher:



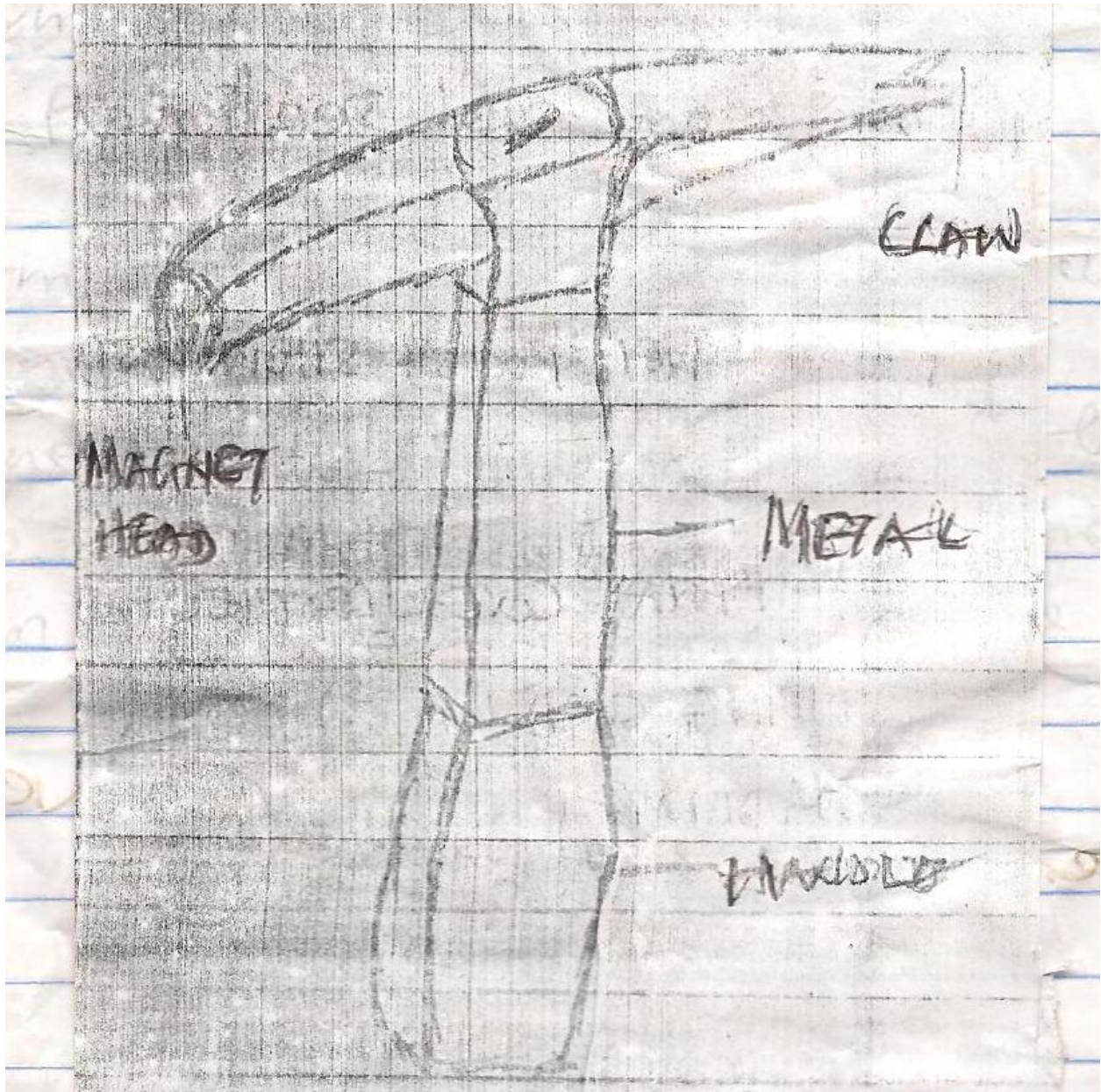
Uses:- used for stretching web in upholstery work.

5c. Spring clip pillar



Uses: - it is used for drawing spring and clip upholstery work

5d. Magnetic hammer;



Uses: - used for nailing tacks in upholstery work.