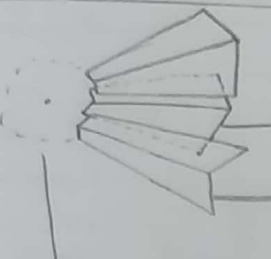

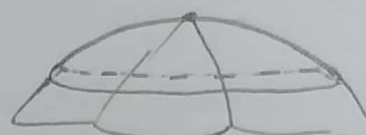
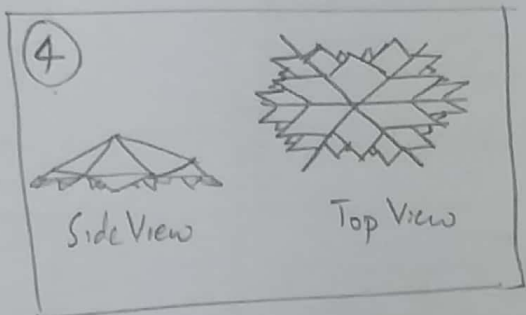









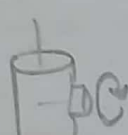

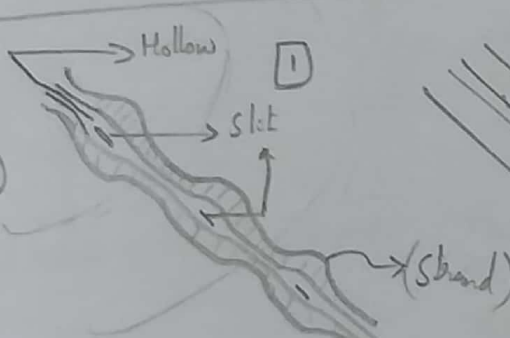
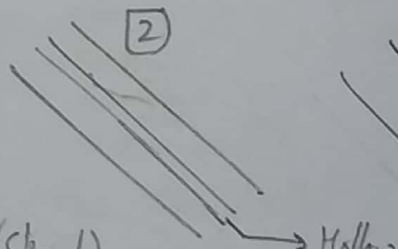
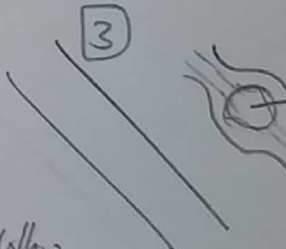
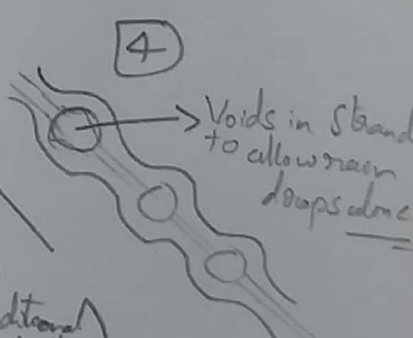
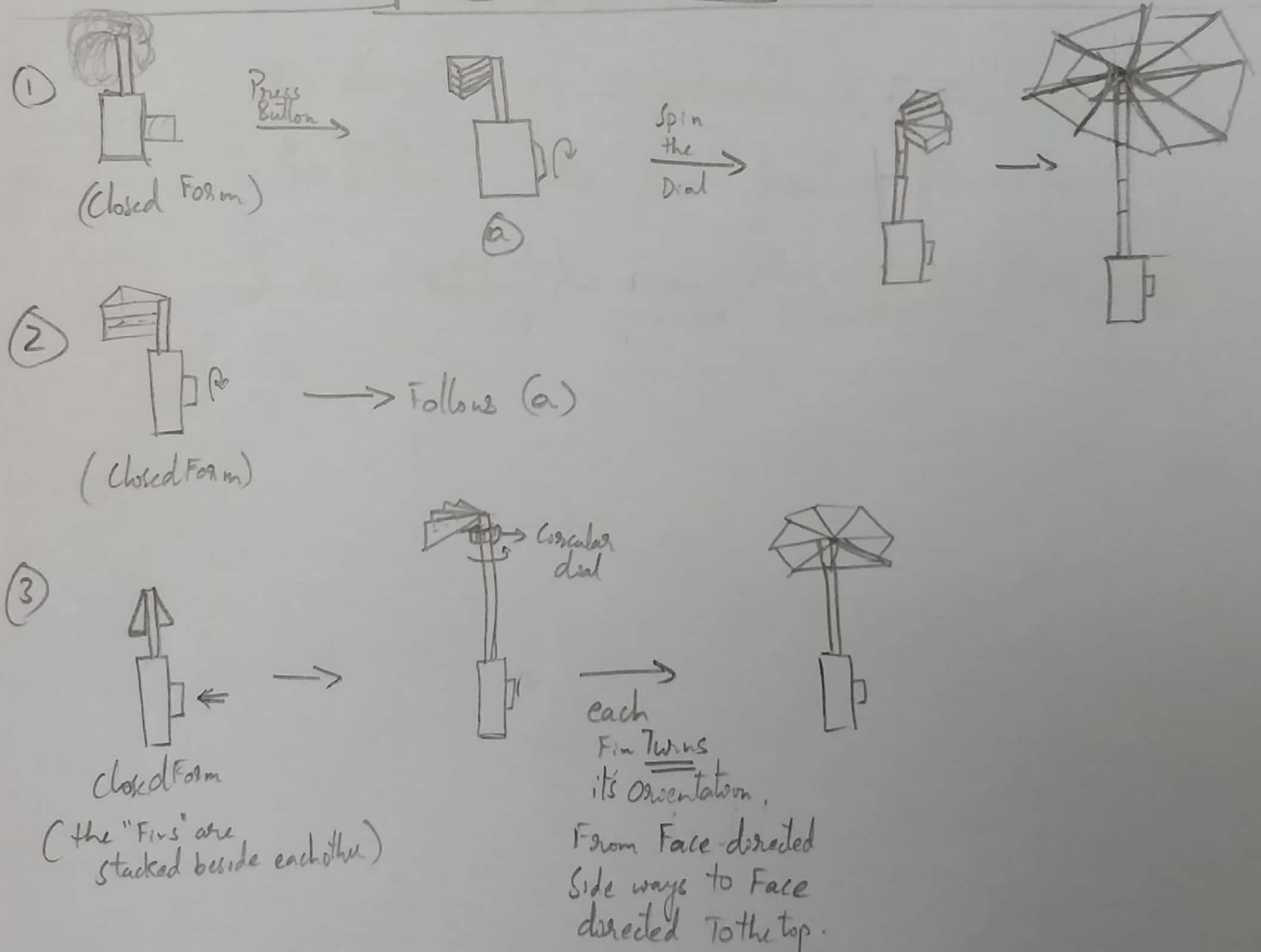


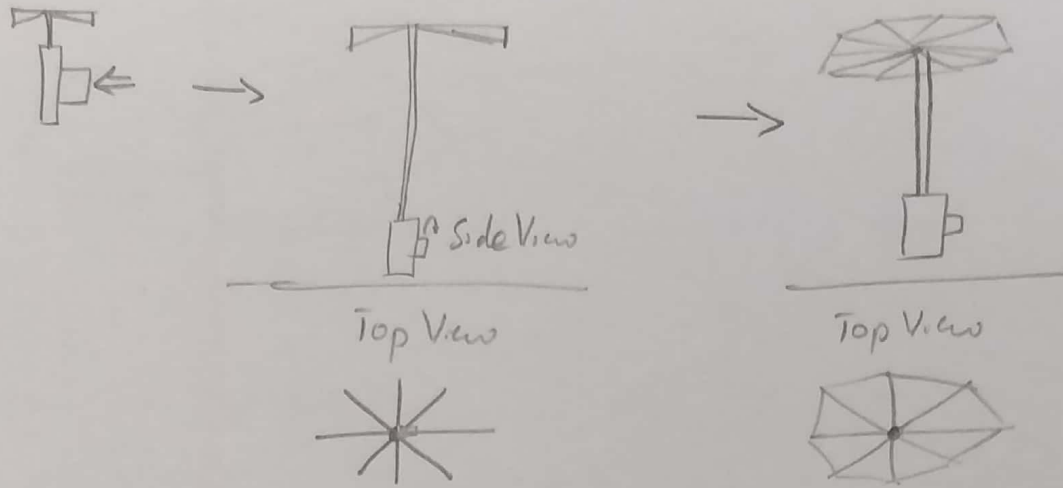
Feature	Means			
Canopy (Ablage)	 <p>Folded Downwards</p> <p>Folded Upwards</p> <p>1</p>	 <p>2</p>	 <p>3</p>	
		 <p>4</p> <p>Side View</p> <p>Top View</p>		
Frame				
Handle			 <p>(Smooth)</p>	 <p>(Rough)</p>
				<p>Without Flash light at bottom</p>
Opening Mechanism	 <p>Button</p>	 <p>Circular Dial</p>	<p>Remote Control</p>	 <p>(Circular Dial)</p>
Canopy (Microscopic)	 <p>Hollow</p> <p>Slit</p> <p>Strand</p> <p>(Stomata Structured / Inspired) Hollow Space</p> <p>1</p>	 <p>Hollow</p> <p>2</p>	 <p>Hollow</p> <p>3</p>	 <p>Voids in strand to allow rain drops to pass</p> <p>4</p> <p>(Traditional Umbrella)</p>

Opening / Closing Mechanism :-

Human Action	Translational Energy Creation	Using this energy to Generate Canopy
Press a Button	Sprung	Expand Outwardly
Rotate the dial	Battery	Open By Rotating around Central axis. (Frame)
Pull / Push Manually	Hands	Mix of Both
	Gear Mechanism	

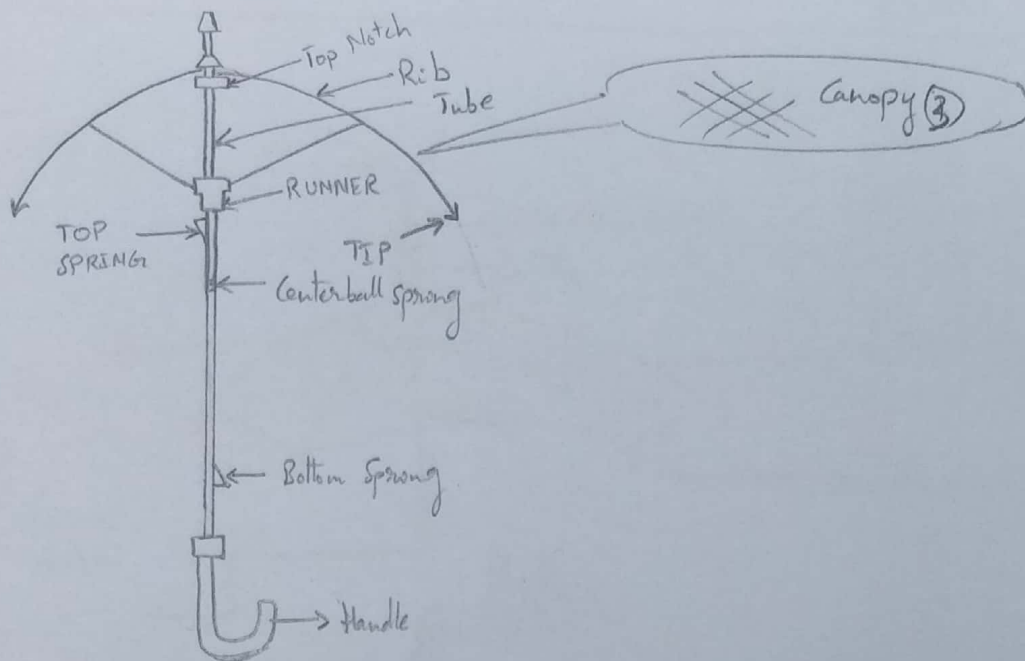


④

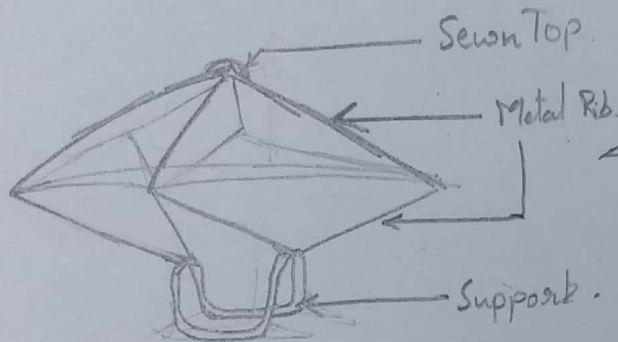


on ①, the Bagged Mess in the closed form shows that the canopy can be compressed, & when we click the Button, the fans structure themselves. & on rotating the wheel, they expand their surface.

Concept A
(Original)

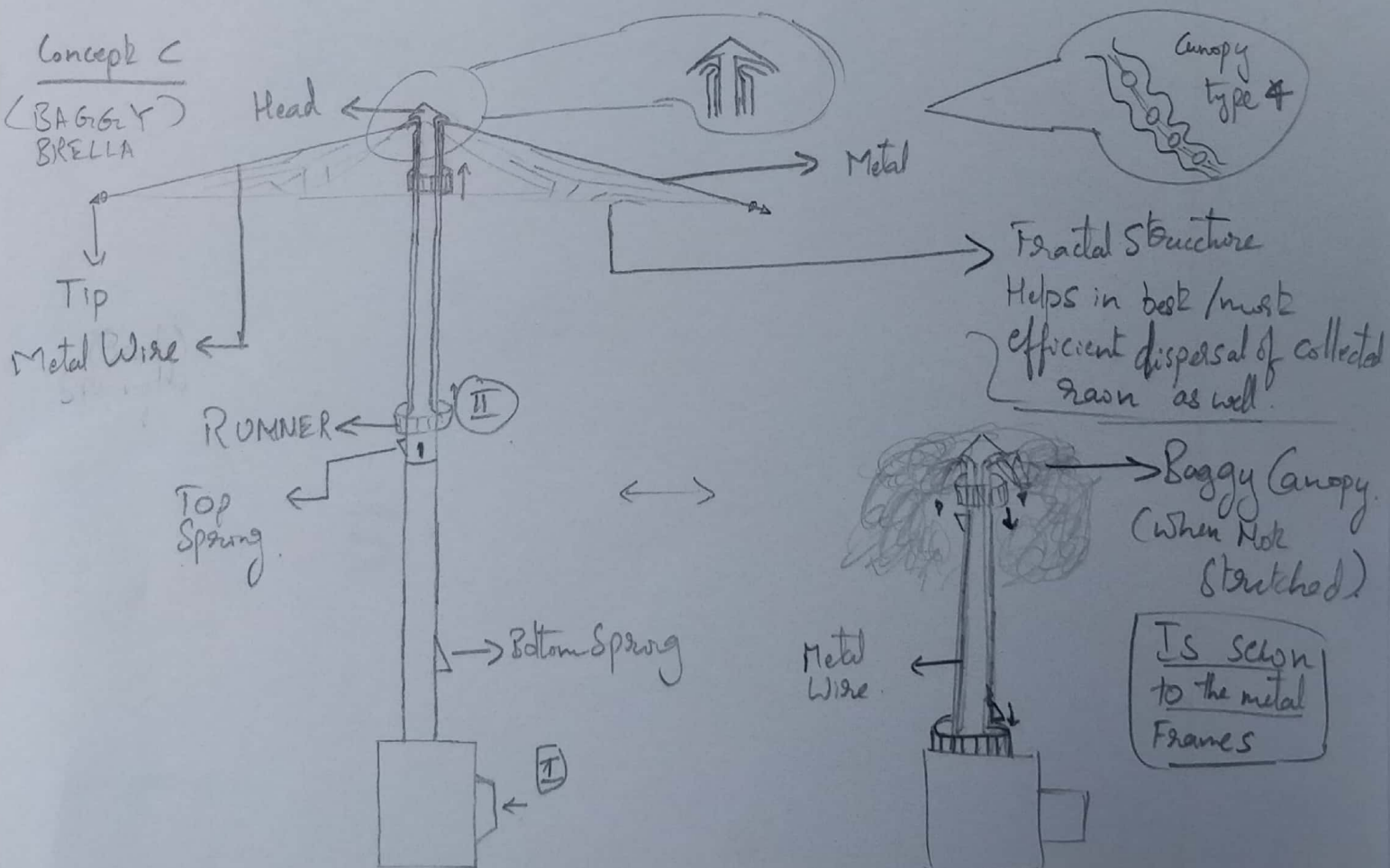


Concept B
(SHOLDER REST)

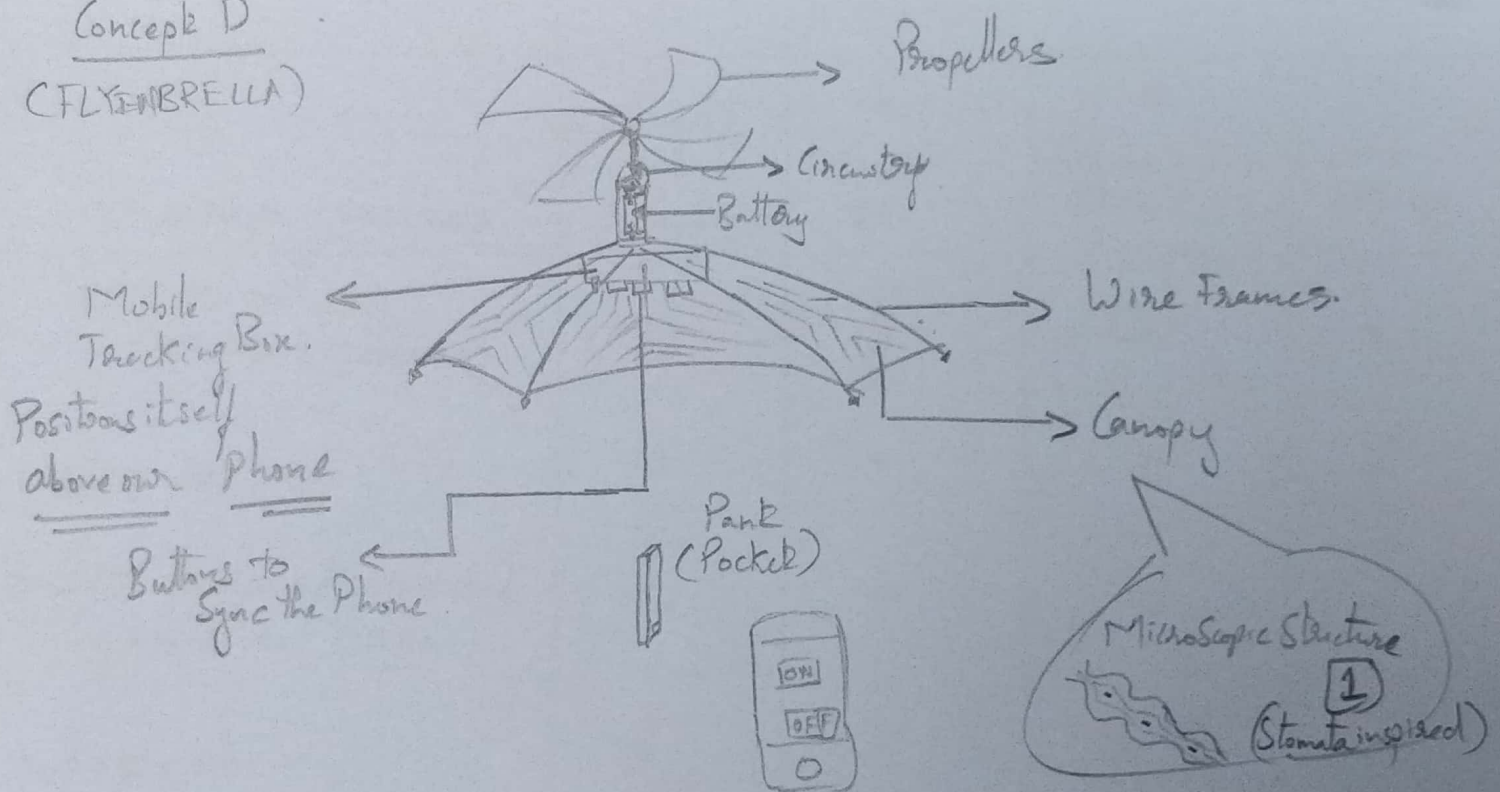


Hollow inside,
Canopy cloth absorbs water
& allows flow to the outside.

Concept C
(BAGGY) BRELLA



Concept D
(FLYUMBRELLA)



SELECTION CRITERIA	CONCEPTS			
	A (Reference) Original Umbrella	B SHOULDER REST	C BAGGY- -BRELLA	D FLYIN- -BRELLA
EASE OF HANDLING (OPENNING/CLOSING)	0	+	0	+
EASE OF USE	0	+	0	+
EASE OF STORAGE/PORTABILITY (WHILE NOT USING)	0	-	0	-
DURABILITY	0	-	0	-
EASE OF MANUFACTURE	0	+	0	-
ACCOMMODATION CAPACITY	0	-	+	-
ALLOWANCE OF WIND (RESISTANCE REDUCTION)	0	+	+	+
SUM +'S	0	4	2	3
SUM 0'S	7	0	5	0
SUM -'S	0	3	0	4
NET SCORE	0	1	2	-1
RANK	3	2	1	4
CONTINUE?	YES	YES	REVISE	NO

C+: Modification: Canopy 1 & open/close Mechanism

		CONCEPT					
		A (REFERENCE) ORIGINAL UMBRELLA (Canopy 3)		B SHOULDER REST (Canopy 2)		C + BAGGY-BRELLA + (Canopy 1)	
SELECTION CRITERIA	WEIGHT	(1-5) RATING	WEIGHTED SCORE	(1-5) RATING	WEIGHTED SCORE	(1-5) RATING	WEIGHTED SCORE
EASE OF HANDLING (OPENNING/CLOSING)	15%	3	0.45	4	0.60	3	0.45
EASE OF USE	10%	3	0.30	4	0.40	3	0.30
EASE OF STORAGE/ PORTABILITY (WHILE NOT IN USE)	20%	3	0.60	1	0.20	4	0.80
DURABILITY	10%	3	0.30	3	0.30	4	0.40
EASE OF MANUFACTURE	15%	3	0.45	2	0.30	2	0.30
ACCOMMODATION CAPACITY	10%	3	0.30	2	0.20	3	0.30
ALLOWANCE OF WIND (RESISTANCE REDUCTION)	20%	1	0.20	3	0.60	5	1.00
	TOTAL SCORE	2.60		2.60		3.55	
	RANK	2		2		1	
	Continue?	No		No		DEVELOP	

REVISED

CONCEPT C

BAGGY-BRELLA

