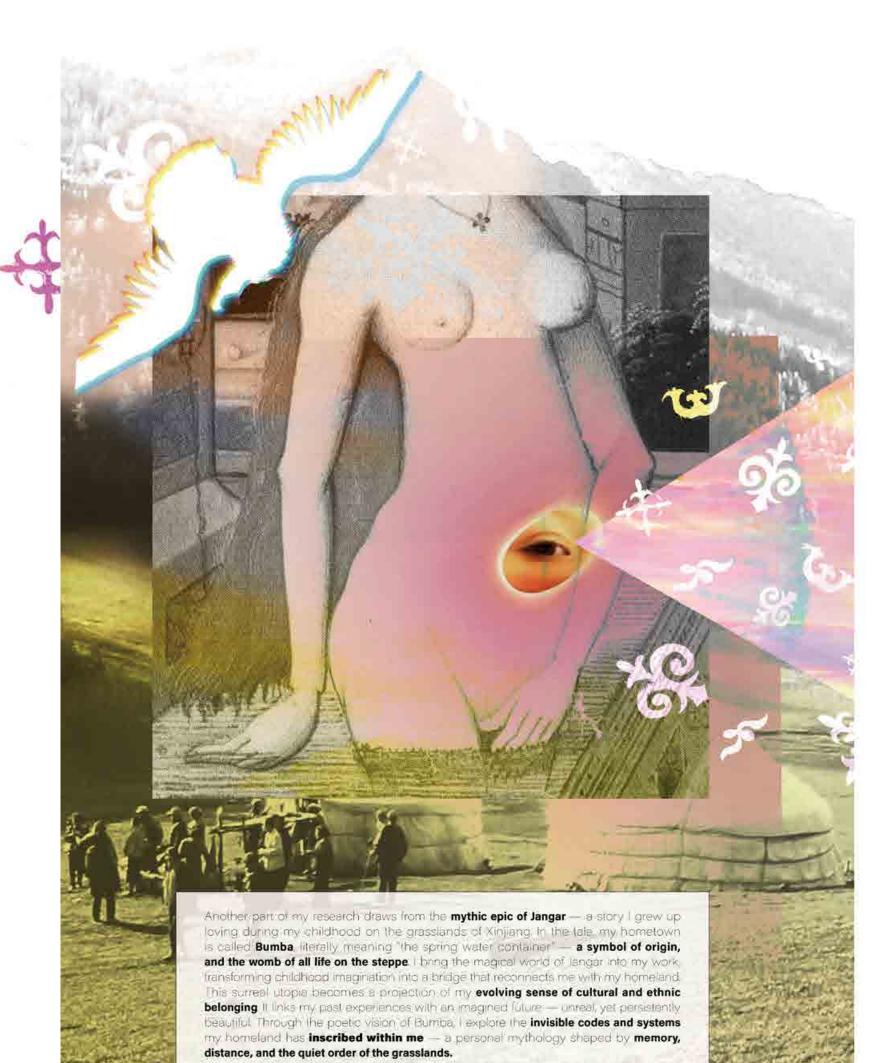


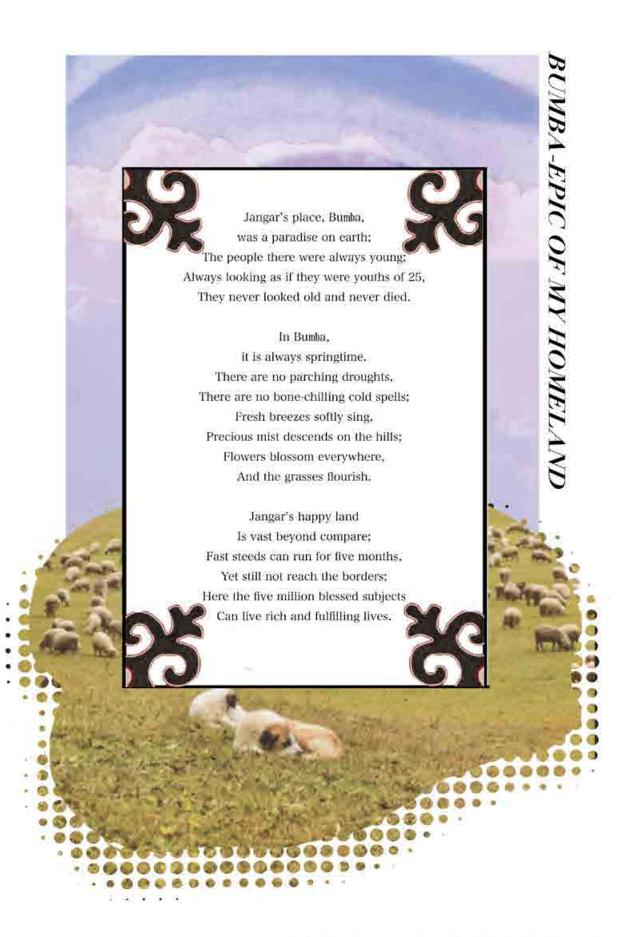
CONCEPT

This project draws its primary inspiration from the industry revolution, focusing particularly on thetransformative effects of technology on the lives of arctinary people during the industrial Revolution the mechanization of textile production, revealing a world where intricate, underlying systems of ordenrifluenced both industrial practices and the lives of workers.

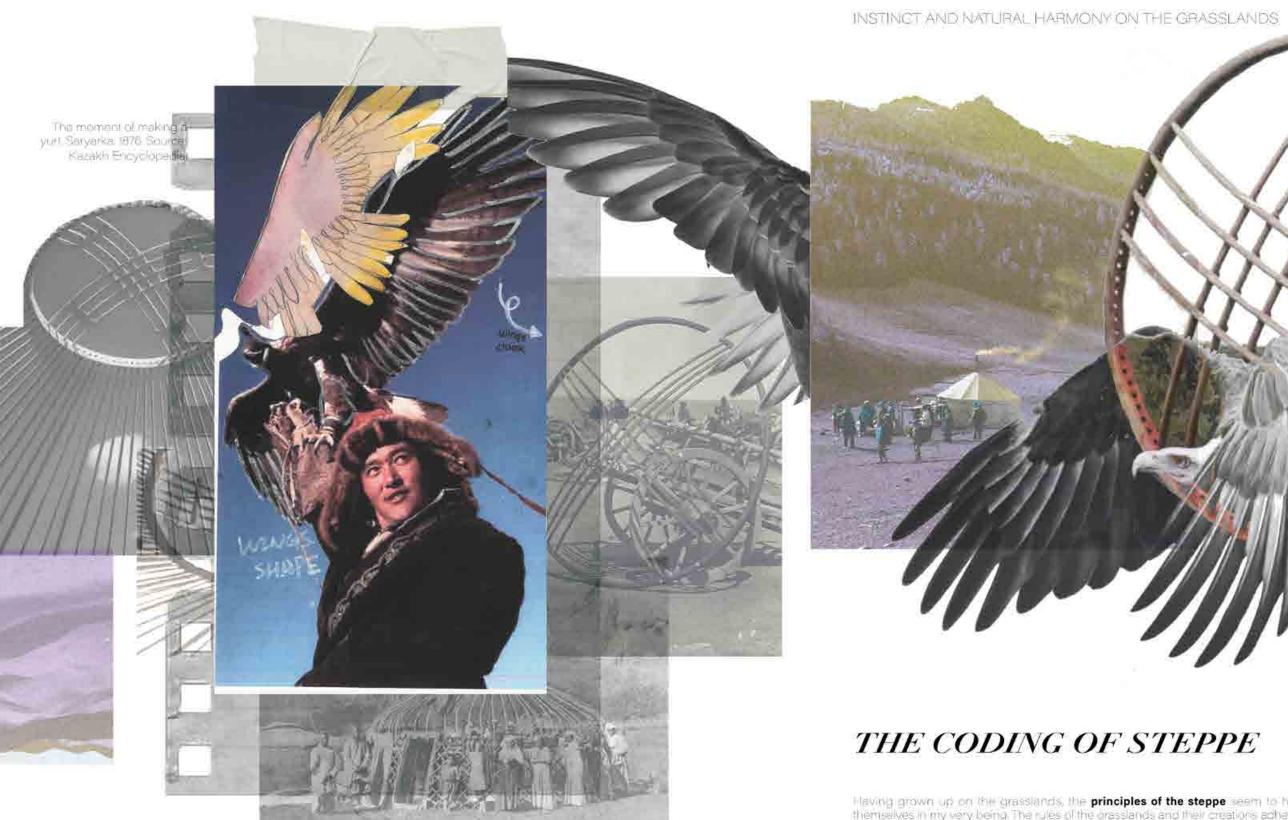
Trelate this to my personal background, growing up on the grasslands of Xinjiang, where traditional textiles; such as fell, are crafted through instinctive, nature-priven processes, the traditional women's scraft of woolfeit in my hometown of Xinjiang's grasslands. Women in the grasslandsgather to roll, out, and sew tell into patterns and designs, creating/derent and spiritual totemic felt works. These have always been a deep emotional connection to my memories of life in Xinjiang's grasslands The contrast between these two cultural systematorms the foundation of my design approach.

Through this lens, I investigate how the convergence of these distinct cultural codes reflects the complexities of migration and the creation of hybrid identifies. This interplay is embodied in the innovative material structure of mechanical interlocking and lace-felt composit textiles as well as Invisual storytelling that bridges the procision of technology and the harmony of nature t





Seglar Bougdaeval trans, Jangar. The Epic of a Kalmyk Hero-ohepter 1



The moment of making a yurt Saryarka. 1876. Source: Kazakh Encyclopedia.

THE CODING OF STEPPE

Having grown up on the grasslands, the principles of the steppe seem to have deeply rooted themselves in my very being. The rules of the grasslands and their creations adhere to the principle of aligning with nature - a harmony between human nature and the environment By placing outselves back in nature, we diacover how our instructs align seamlessly with the essend From the radial structure of a Mongolian yurt to the precise spacing of an eagle's feathers! beek the underlying patterns that echo this harmony. Natures fules in their unique encoding, are inscribed into our being shaping our innate understanding and behavior.

CHAPTER 1/RESEARCH AND RESPOND

THE RITUAL OF MAKING FELT

Felt is an essential part of nomadic life. The process begins by spreading freshly sheared wool over fine sand and besting it with willow branches to loosen it into soft fluff. More wool is added during this process, followed by layering a base of fell. Water is spinkled, the edges are pressed, and additional wool is laid on top. To bind the wool fibers, water is added continuously while pressing by hand. The entire mat is then rolled up tightly, bound, and pulled across the ground by camel or horse. As it rolls, the wool becomes increasingly compact, gradually forming a durable piece of felt — shaped by motion, moisture, and repetition



TRACING BACK TO THE LAND

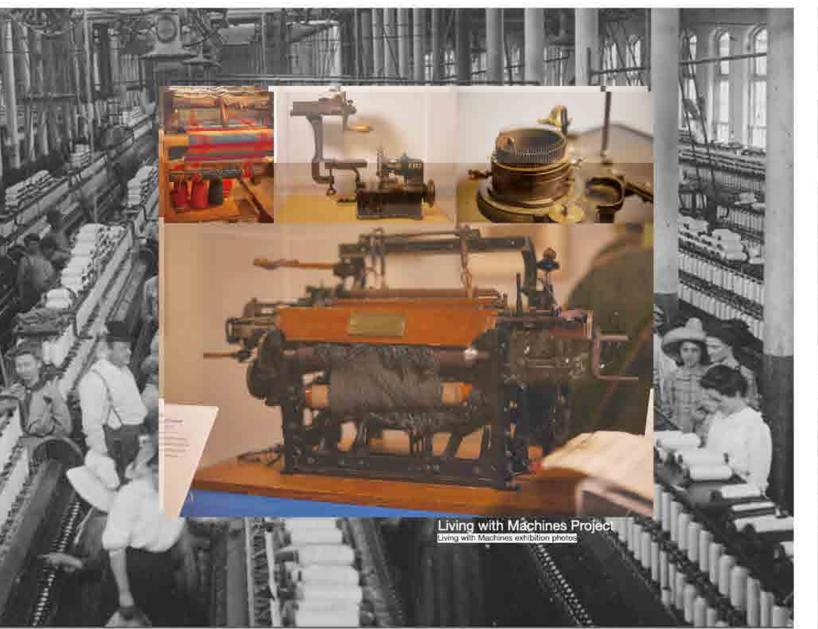
My hometown lies in the grasslands of Xinjiang, between Ili and Altay - regions rich in nomadic heritage, where Mongols, Uyghurs, and Kazakhs have coexisted for generations.

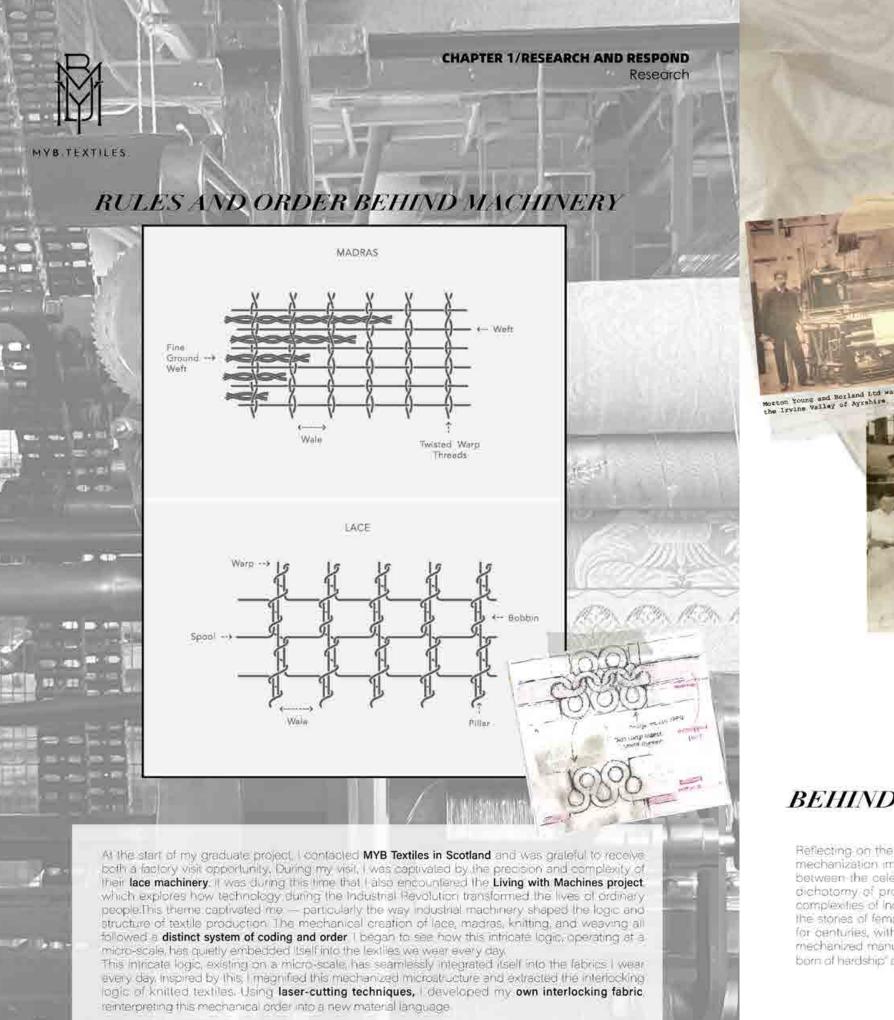
FELTING TRADITIONS WITH MOTIFS: INSTINCTIVE CODING

I was born in the grasslands Xinjiang in northwest China. My hometown, as I remember it, is a world beyond the mechanical rules, where people have largely preserved a way of life outside the bounds of mechanized coding. Our tranitional textiles "WET FELTING" are crafted in a manner entirely different from mechanized fabric production. During summer, the women of the grasslands gather to fell wool, cul, it, and sew it into various patterns and designs. The creation of letted textiles does not rely on precise calculations or strict rules and order but instead depends. on the makers intuition and an intimate dialogue with nature.

Hilda Yang
Year 4 collection
CODING OF ORDER

MECHANICAL TEXTILE





Fruit Days of Wich and Monday to my for The St. B. States In had to forcer and I a Dufferd In the Rough where to appleges and myself I had been up have go -nd supplied by the soulacher . The term = wild in Here days itry a wild accepted the alled a Lass Moder My Mill These Mandes on they are give hay

VENV

Mrs Ethel Clarke's lot first-hand accounts of the lives of factory workers.

Most lace joiners - or 'finishers' - were female. S

BEHIND THE MACHINERY

Reflecting on the mechanization of labor during the 19th-century Industrial Revolution, I studied how mechanization impacted the lives of ordinary people. Lalso find article highlighted the stark contrast between the celebrated advances in mechanization and the often invisible labor behind them. The dichotomy of progress and exploitation forms a critical undercurrent in my design, echoing the complexifies of industrialization. Particularly, the intricate structures of Scottish lace textile machines and The stories of female laborers involved in face production fascinated me. Fine lace has been chershed for centuries, with its popularity rising alongside Britain's Industrial Revolution. From face schools to mechanized manufacturing, these women represent the irreplaceable backbone of the industry, "Beauty born of hardship apply describes their work, as their resilience and expertise uphoid the craft today.

Hilda Yang
Year 4 collection
CODING OF ORDER

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the first logitidations of what was in bodente the welfare st

III 1839 the face of the Industrial revolution was to be som in mines and factories all over Beward, due the age of the writer providerant was strily next degenning. It took a cambury before people in general fully recognised the nature of the minimer than fael been investigal will

CHAPTER 1/RESEARCH AND RESPOND If the warfare state was unfinitivable in 1839, there were n combiner of the working amone. See Talber - pretares in the property on worked in hestate view them with an Almost Buildal benevelance that was spon to die out this Replace Stone regarded the workers (now designated the working class) with a similar benevolation and use to coston merely a not a combination gains, care can also care a source a substance a preserve do print the test re-maints of a dying current.

The victorie when the working classes disease, noverty, hardshak unimplicyment, noor housing were recognised by many, our most and moving were unwilling on chable to entired segments to drifts could be turned. Many Smerrety Segures propose and their godly duty to be o those not selected by God for favour

Photography takelinfor religious and of leadhingpic organisations, like the Charatt Annie of DC semanitist enough their concern and droom

Foldershide and a standard the share was the stand of the standard the standard the standard to be stand

I unhalm the workers' homes, their children, their pleasures, in milly cases to more that. Arts Council of Great Britain, & Arts e cames portrait can be even of many atta of encourt firms in a woord form a million photography collected over a termine fur such a survey co-been. To be comprehensive the proxing spoor, and in many prime working the series out the symmetry for each Therefore, sind an exploration of the many different influences which in many cases

informationary and in inferences normalizing, alreaded information during the purior

optemporaties were easily meamensed by Twi oveal feat. of engineering investion/cal and divil, which seemed its sympotice mens progressive compless of melling. Three merous Victorian photographs with their Wondrous Well Lineven" quality, they execution of the symmetry of man ann macrines their delebration of the harmony o) capital and labour, capiture a mood amood THE WORLD PROPERTY THAT HE WARDED AND THE presidenti ança ol Werkenus, produktor and the second s Millioacilina



of form, bit brow lasses' vetors to (emple coat mones in Britain: Until the 1990s, theyprived on the could face at the top of the mine shoft (or pit moute) behand a coal curtain. remited was to brok dull stones from the coal interst had been pragged to the surrace. orlung in cold and dusty conditions. The problem lasses nevel ped-ournique uniform. installing of wooden dogs, a show and aprop over their trousers can old hanner acker or will and a headstart to protect their dair nom could dust, in that eral these women a non-MITPOINT DUT DESCRIPTION STOTATES THEY public antennion, and their custon. made and cabinet nd generality as well on latter postcarors were commercially produced and polo to counsta DRA/#BOX ITELLIN

WORKING CONDITIONS UNDER MECHAMZATION

Research

Council of Great Britain. (1981) The British worker : photographs of working life, 1839-1939. London: Arts Council of Great Britain. - 1 Jan. 1981

Childhood was short in the nineteenth century. The factory acts and In 1876) gradually extended it, true enough, but for most of the periearly age. In Inid-Victorian England 26% of children between the age earners. In the mines and in the mills juvenile labour abounded. Son come machine-minders. In the homes of the middle classes work wa downstairs, fetching and carrying, leading stoves, laying fires, whiter madam wants this and madam warts that - where on call nig drudgery was endless there were stones to be cleared, birds to be se be pulled, so much straightening and tidying. In the building and ma there were numerous openings: young boys were to be found pulling shoving, running errands, up and down, back and forwards, forever o youngsters carted as much as 25 tons a day, in the glassworks juven the same twenty-four hruns.

Female labour was no less ardunus. Women workers constituted just-Victorian Britain, Until the 1840s there were few restrictions on their exactly over-protected thereafter. Apart from the limitation of hours a trades (emilated by the factory acts, women were not legally excludes mining. The Mines & Colleries Act of 1842, shough is brought underg the connection between women and heavy manual tabout. In the chird Cornwall, for example, the balmaidens' had the laborious task of clear tons a day for no more than 1s. In the prickneids women hauijers were the Staffordshire yards they were the modiders too, in the Rhonda we manufacture of fire-bricks and in Dowlais the limestone dirts broke 10,000 domestic workshops () is the backyard) that accommodated th Eduntry women hall makers hammered and sweated for a good deal (saltlands of south east Cheshire women who wore nothing but a shift sheds in which the brine was boiled, or helped their menfolk load the plied the River Weaver. The saltworker, too, was expected to be a dab at break-neck speeds, and willing to do so for a pittance. For having s hours a woman might receive 2d. Metropolitan milk-girls, dustwomen better off.

The pit brow lasses, perhaps the most photographed of all groups of industrially unique.

Women whose whole life-style was so obviously an affront to the m were bound to attract a good deal of comment, much of it foolish an firmale manual labour was never understood. The pil/brow lasses, he underground. Surface work, though, was no picnic, moving waggins screening and sorting, i.e. the series of processes by which the coaland other impublies. In such work a woman might move a ton of on Those women engaged in heavy manual labour were numerically in number employed in textites.

In 1851 just over one half million, 18.1% of the adult female labour though the proportion subsequently fell, there were still \$70,000 te the First World Way. The heaviest concentration was in the Lanzashi turn of the century it had become a way of life for the working class bafore marriage and often beyond. The woollien and worsted industry heavily upon female labour in 1901 more than one in four of all wa were so eccupied.

Wamen in cotton were employed at every stage of manufacture exce branch of the trade. Wages varied.

Women weavers could expect 25s, a week, while wages in the cardro usually took home more

The Lancashire operatives, who were among the best organised of v paid than their non-unionised sisters in the wood trade, and much be Industries, who rarely earned more than 12-13s a week. Work in the pleasant. Cardroom ustrima was common in the cotton mills (due to and shriddy from from throat soll silingtonic we will a follow



THE CODING OF WORKWEAR

RESEARCH

Workwear, as a uniform shaped by the rules of manufacture, encodes mechanical order onto the human body. Within this, I observe a tension between the uniformity of standardized rules and the inherent heterogeneity of the human. The blue workwear becomes a visual metaphor for the imprint of mechanized civilization on the body — a slient code that structures how they move, behave, and are seen.

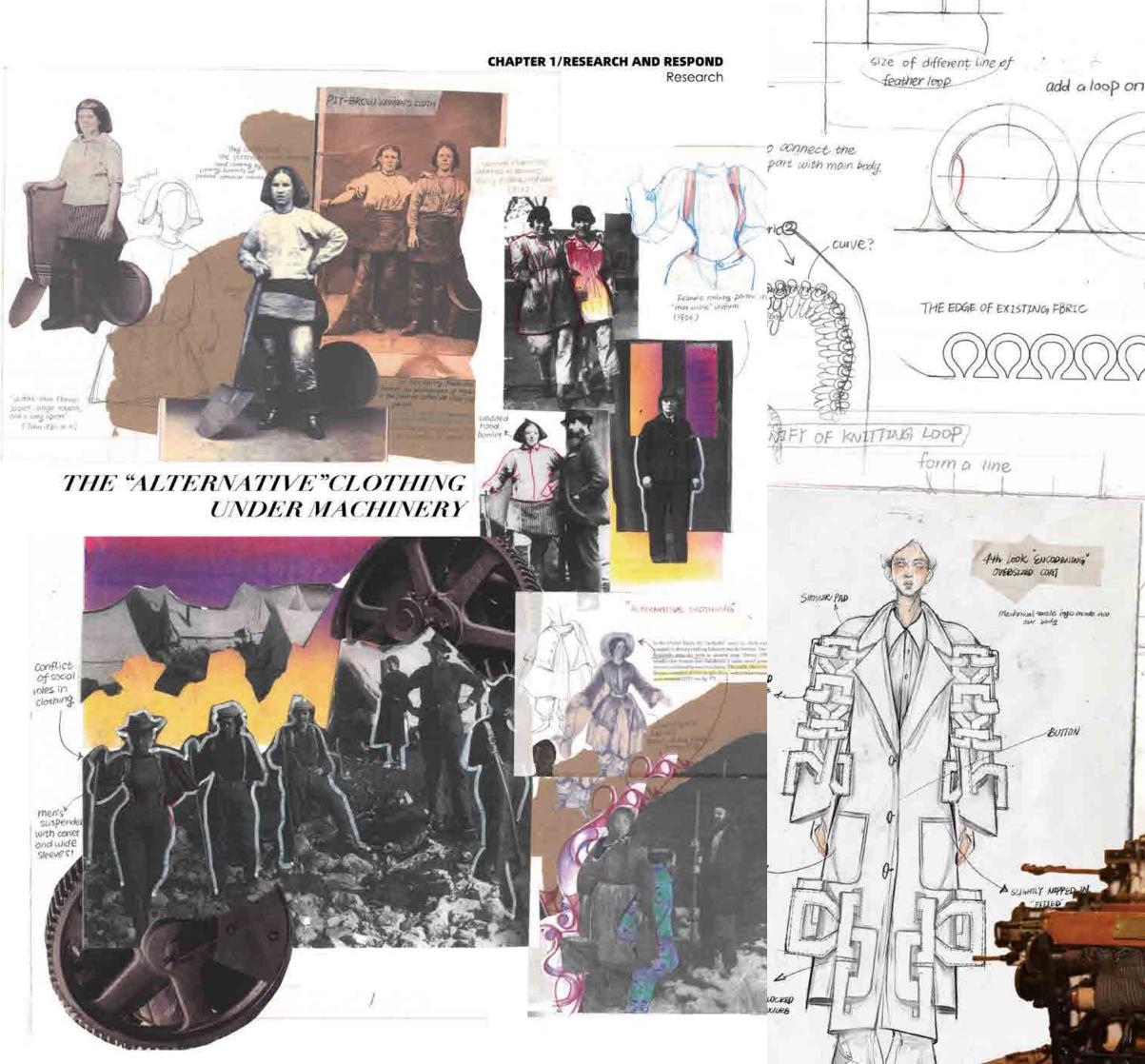
Munitions workers in loose-fitting overalls (United States), 1916. Courtery of the Engineering and Industrial History Collection, National Mussum of American History, Smithschian Institution

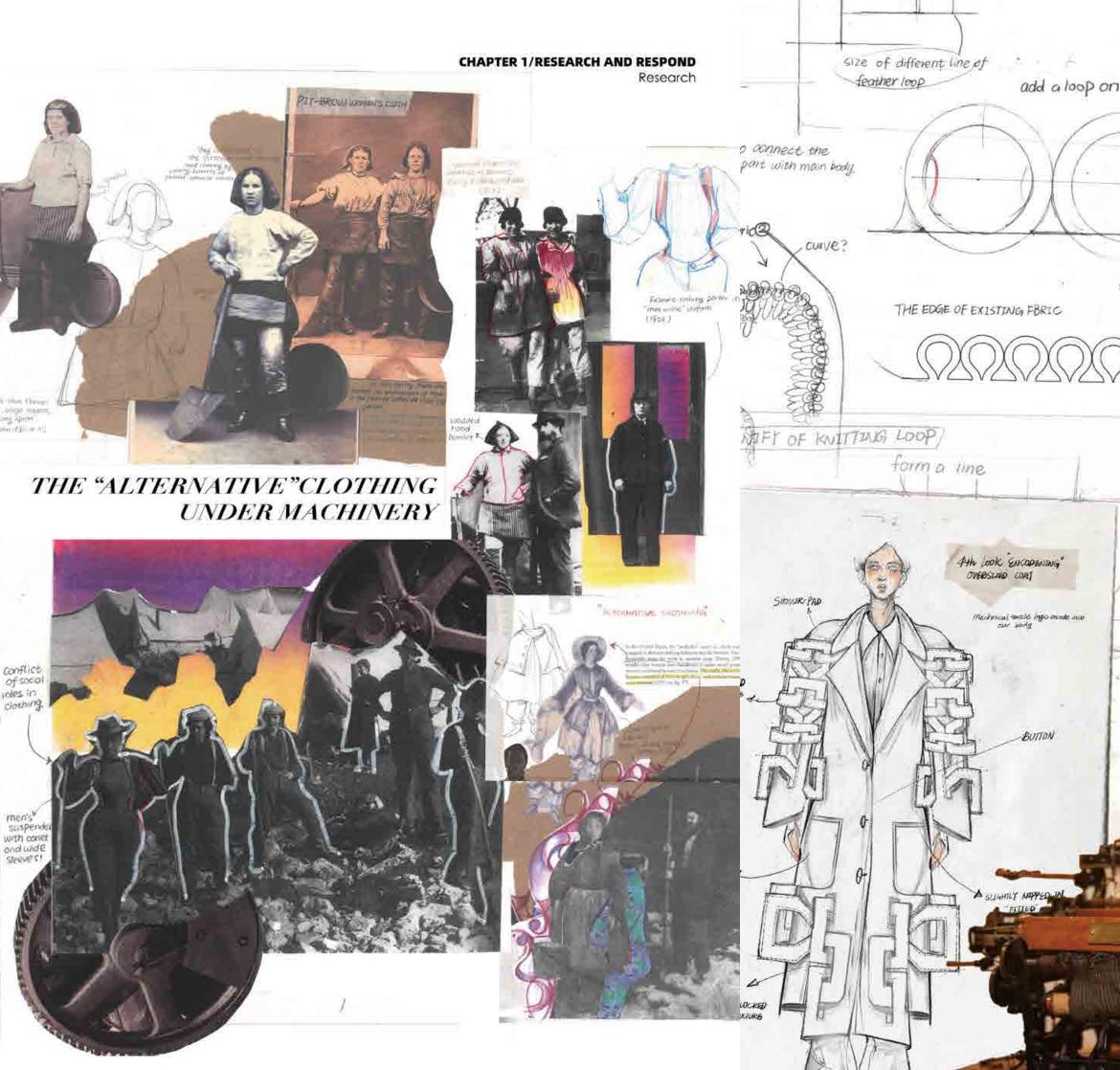
How does the mechanized rules and lo

While researching workwear and industrial production history, I was drawn to how women navigated restrictive gender norms through what they wore. From pit brow workers to female railway laborers, their garments were often labeled as 'alternative

fashion" — not by aesthetic intention, but by necessity and resistance Trousers, for instance, were socially taboo for women. Yet these working women wore them anyway, often paired with rolled-up petriccats to meet the physical demands of labor. These layered garments became quiet acts of defiance — practical, yet politically, charged. They embodied a tension between contormity and survival. visibility and silence

I found this lension deeply embedded in their clothing — a friction between societal expectation and the lived realities of women's work. It continues to shape how I think about structure, symbolism, and the politics of dress in my own design practice.







ACCESSORY

Mongolian traditional hat re-search: Khalkha headdresses

Thave been lascinated by the traditional Khalkha hat worm by the Mongolian people in my hometown since childhood. Knownfor its complex structure and ormate decorations the Khelkhir hal leatures a bowl-shaped drown and long trailing ribbons extending from the back brim it traditionally serves as a symbol of status and identity for the wearer

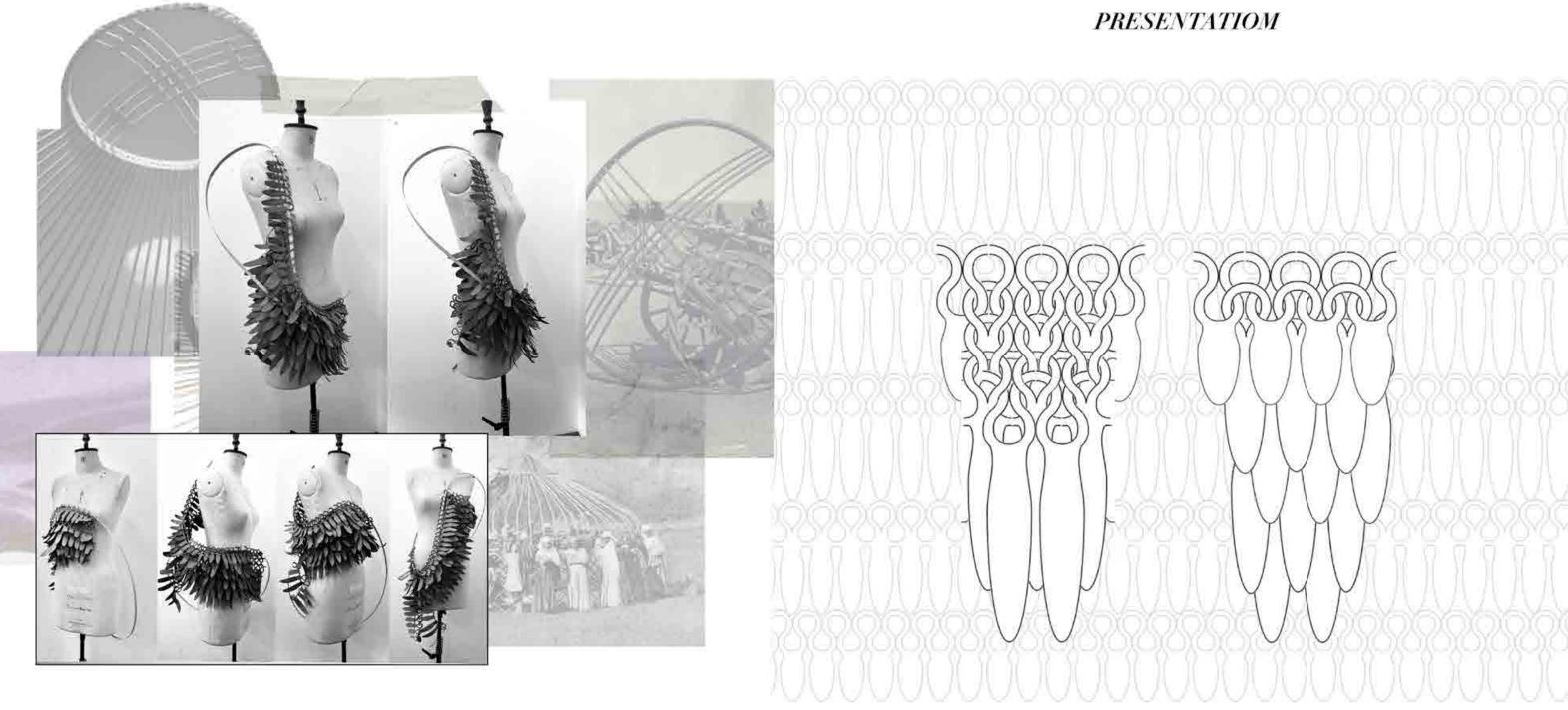
CHAPTER 4/CONCLUDE & CONSTRUCT

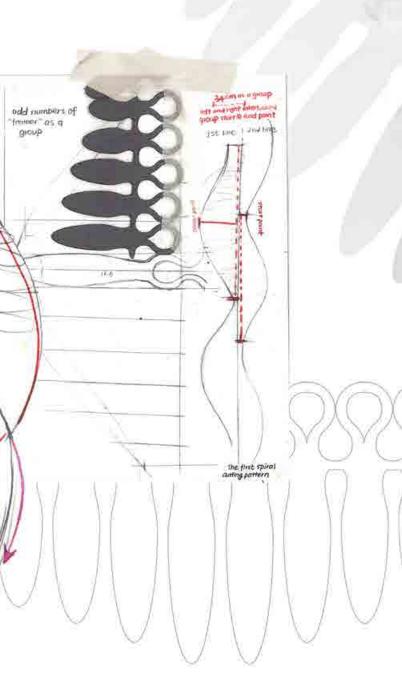


FABRIC DEVELOPMENT

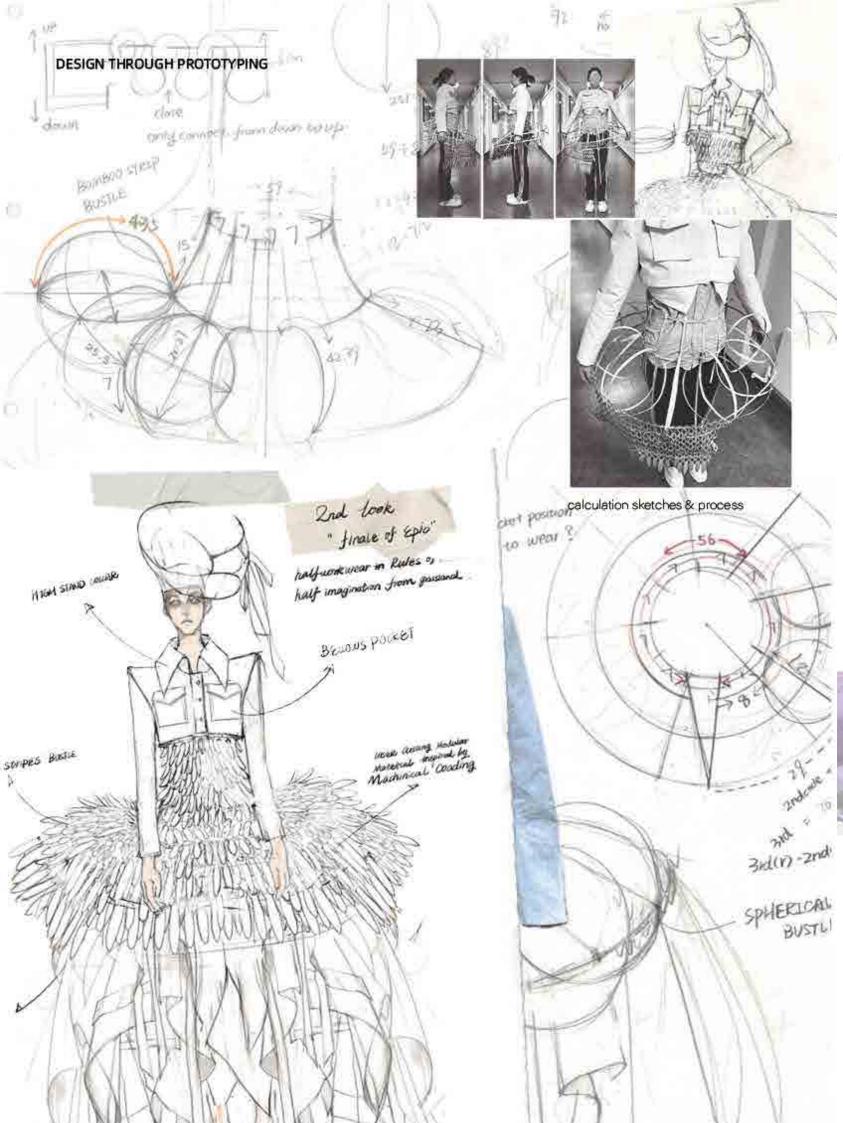
Drawing inspiration from the structural logic of mechanized textile systems and my childhood memories of life on the grasslands I designed a wing-shaped modular unit embedded within a coded pattern. This became the foundation of what I call the **feather-coded fabric**—a textile system that mimics the rhythm and form of feathers through modular repetition, symbolizing movement, freedom, and fluid identity, It builds a material connection between engineered precision and the lived vitality of grassland culture.

> After using out the compet of bird forship nonwally sog to onace an unexpected spini effect, ------

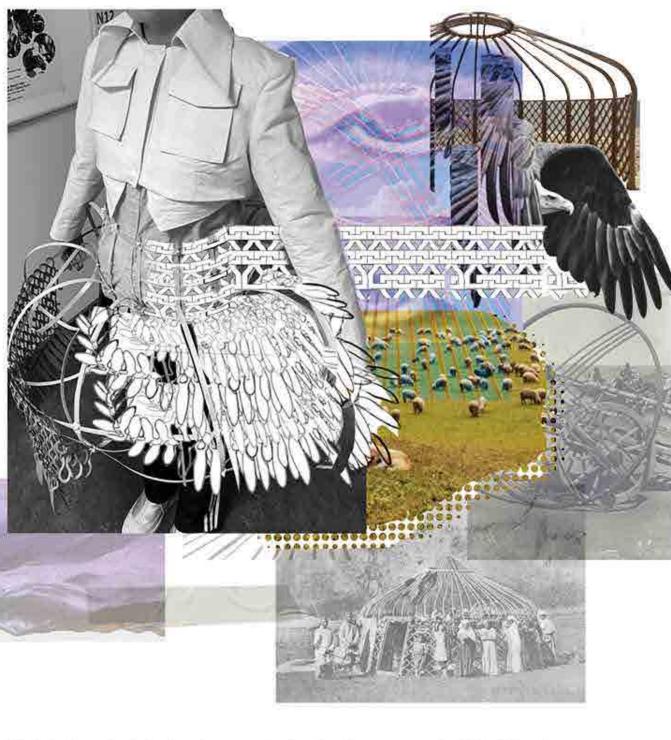




FEATHER-CODED FABRIC CONFIGURATON PRESENTATIOM

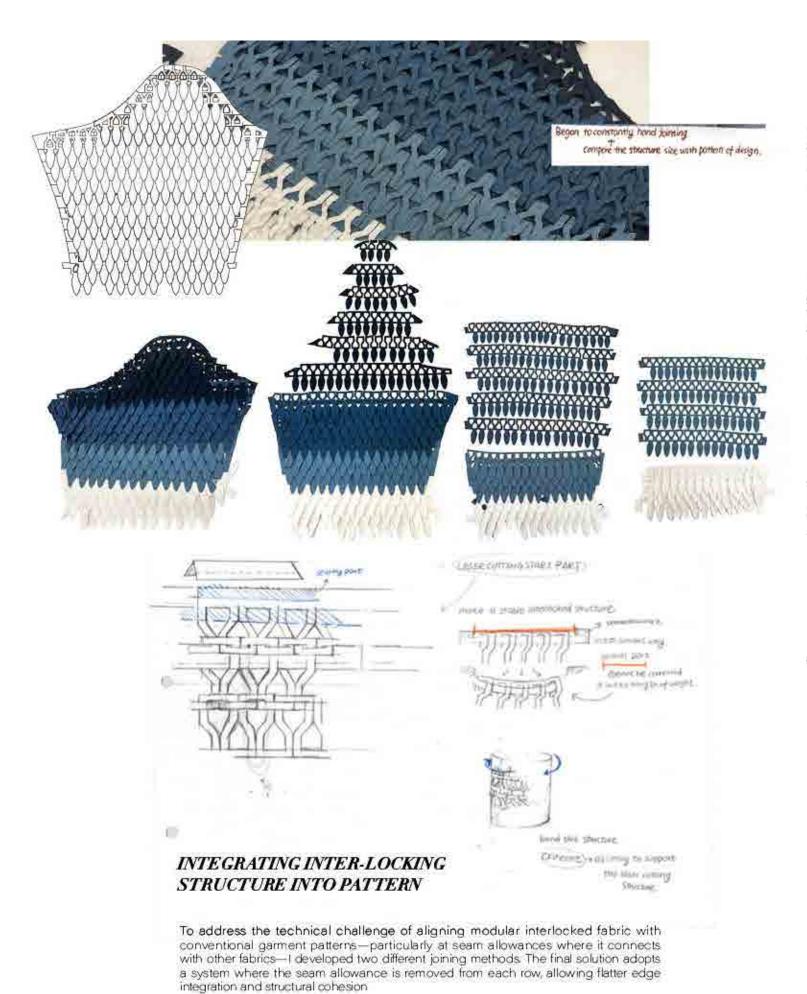


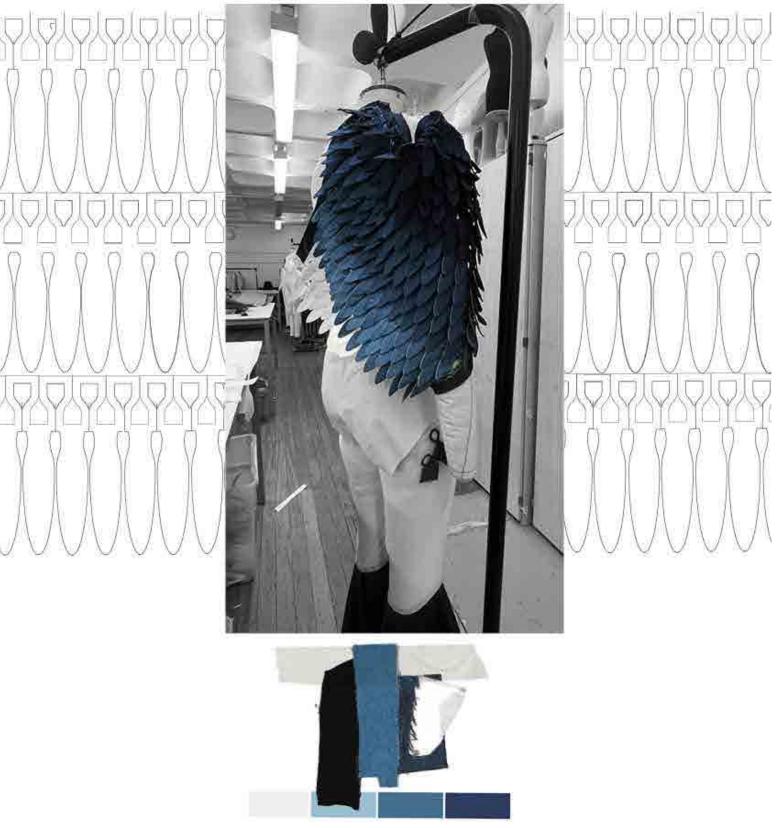
BAMBOO-STRUCTURED BUSTLE WITH FEATHER-CODED FABRIC



This design draws inspiration from the structural logic and radial arrangement of traditional Mongolian yurts. Guided by the philosophy that "our instincts align seamlessly with the essence of nature," which underpins grassland life, I reinterpreted this architectural system into a wearable bamboo bustle frame.

Using the natural toughness and flexibility of tcm-thick peeled bamboo strips, I developed a calculated method of weaving and bending to create structural support. The result translates architectural logic into garment construction—merging strength, rhythm, and movement. Paired with my feather-coded interlocking fabric, the silhouette captures a dynamic balance between function and ritual in a contemporary form.





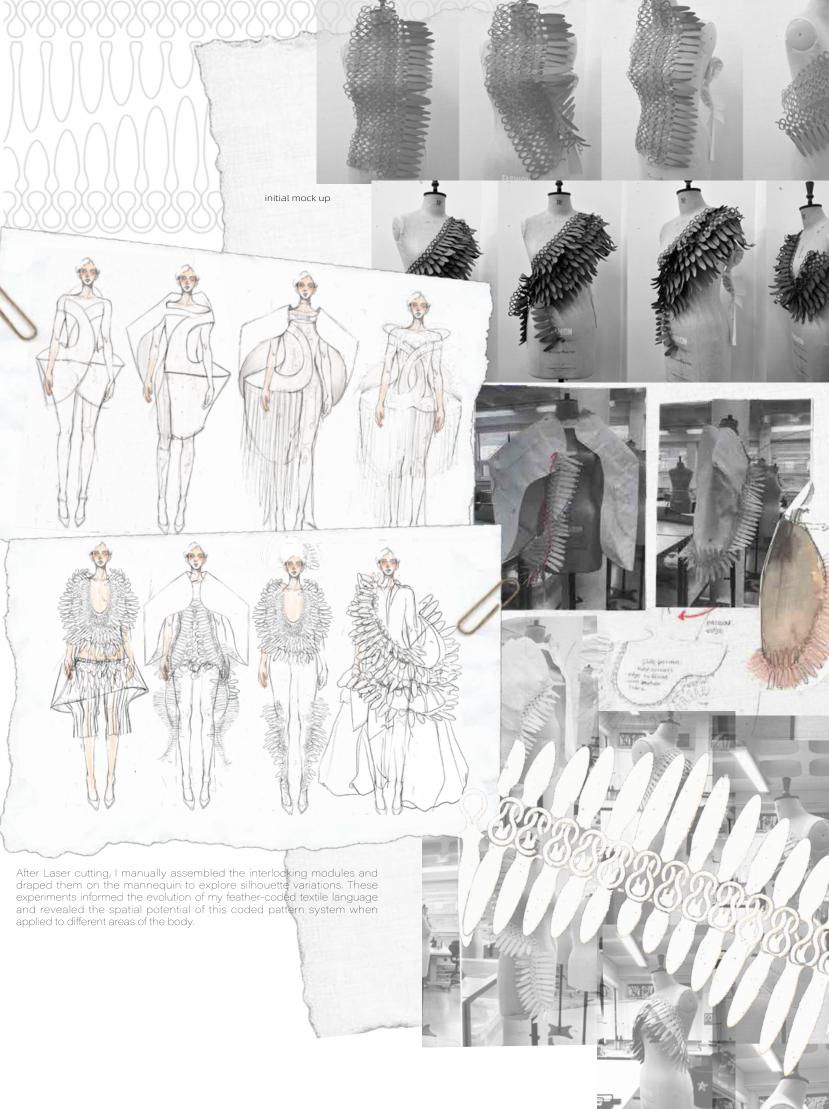
COLOR CHOICE OF DENIM

· Hilda Yang · Year 4 collection · CODING OF ORDER



SILHOUETTE DEVELOPMENT

· Hilda Yang · Year 4 collection · CODING OF ORDER









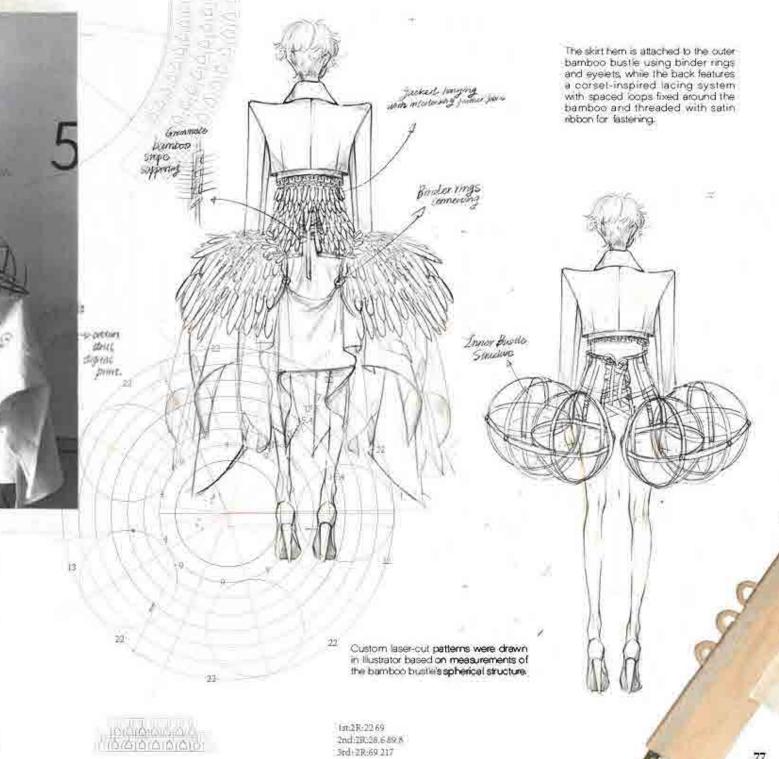


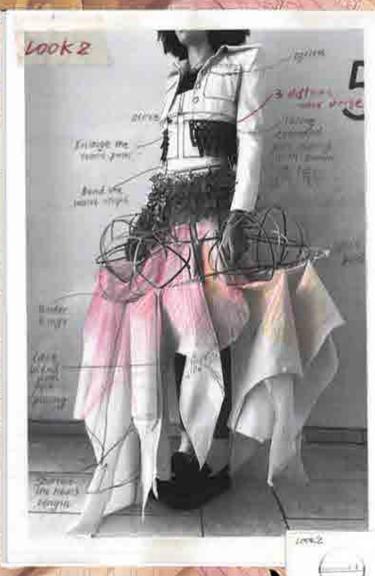






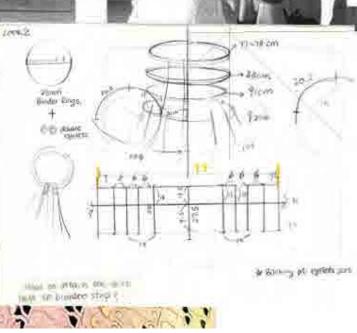
To construct the bamboo framework, I manually drilled holes into the strips and secured each joint using a hybrid method: combining screw bolts for strength and split pins for flexibility. This fastening system reinforced structural stress points while streamlining the assembly process.





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CHAPTER 5/104MU/ACTURE

the active

The color gradient of the feather-coded elements on the bustle was achieved through sublimation printing onto pelmet fabric. I first handpainted the gradient using soft pastels, then scanned the artwork to create the sublimation print. Afterward, the printed fabric was laser-out into the interlocking pattern seamlessly combining color and structure.

PELMET FABRIC FOR FEATHER-CODED LASERCUT

und version collar part

draw the multilayered pattern breakdown of the deconstructed shirtjacket silhouette. The pattern presentation explores how overlapping structures were developed and mapped, allowing for spatial depth and sculptural volume within the garment's construction.

look I shirt-denim jacket connected structure pattern presentation

E

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the modular fabric.

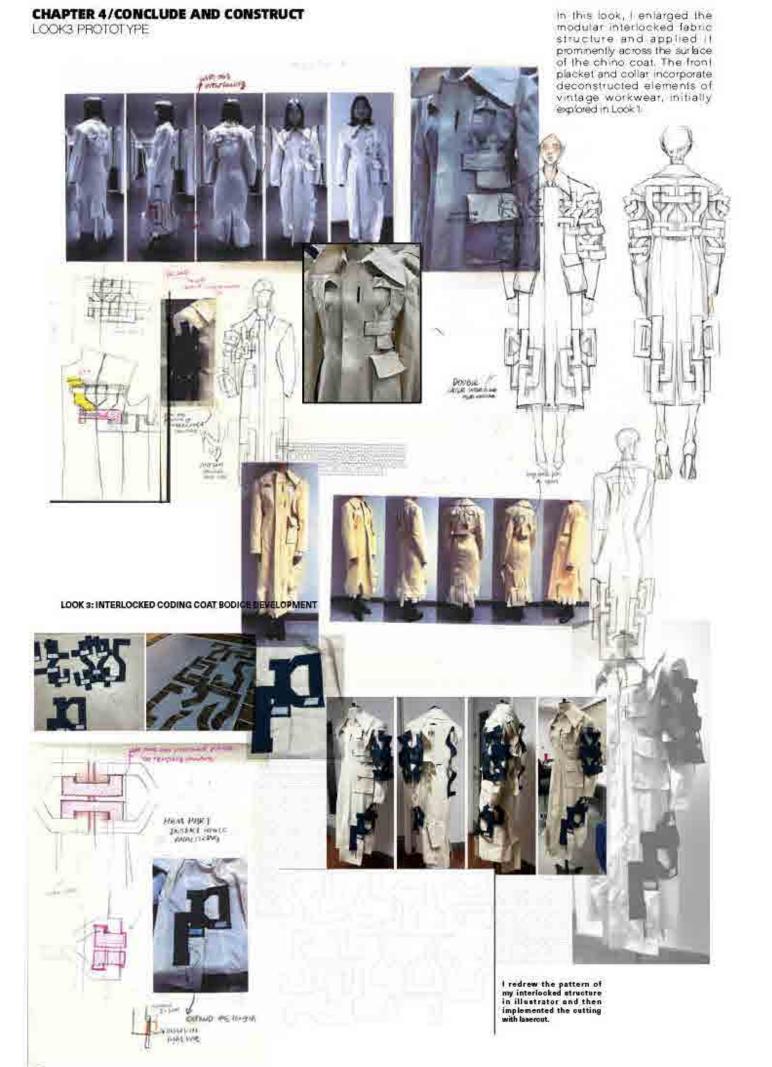
Hilda Yang - Year 4 collection + CODING OF ORDER



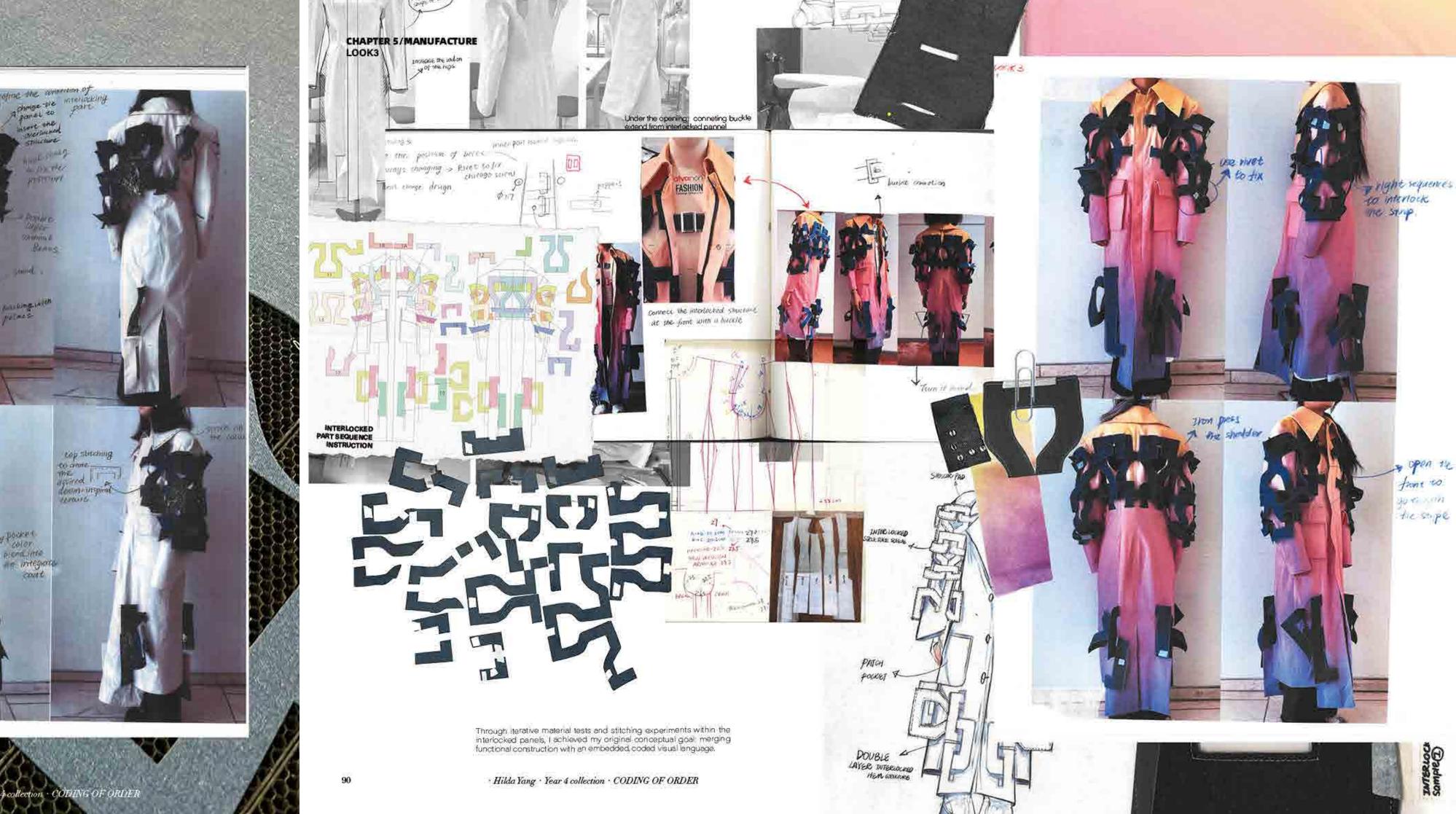


FEATHER -CODED FABRIC

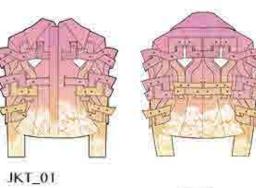




LOOKA cotton dril packing with heavy unerfant



Group 1 Jacket



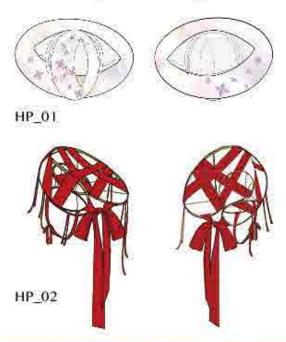


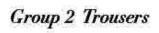
JKT_02



JKT_03

Group 5 Accessory







TR_01 Group 3 Skirt



SKT_01





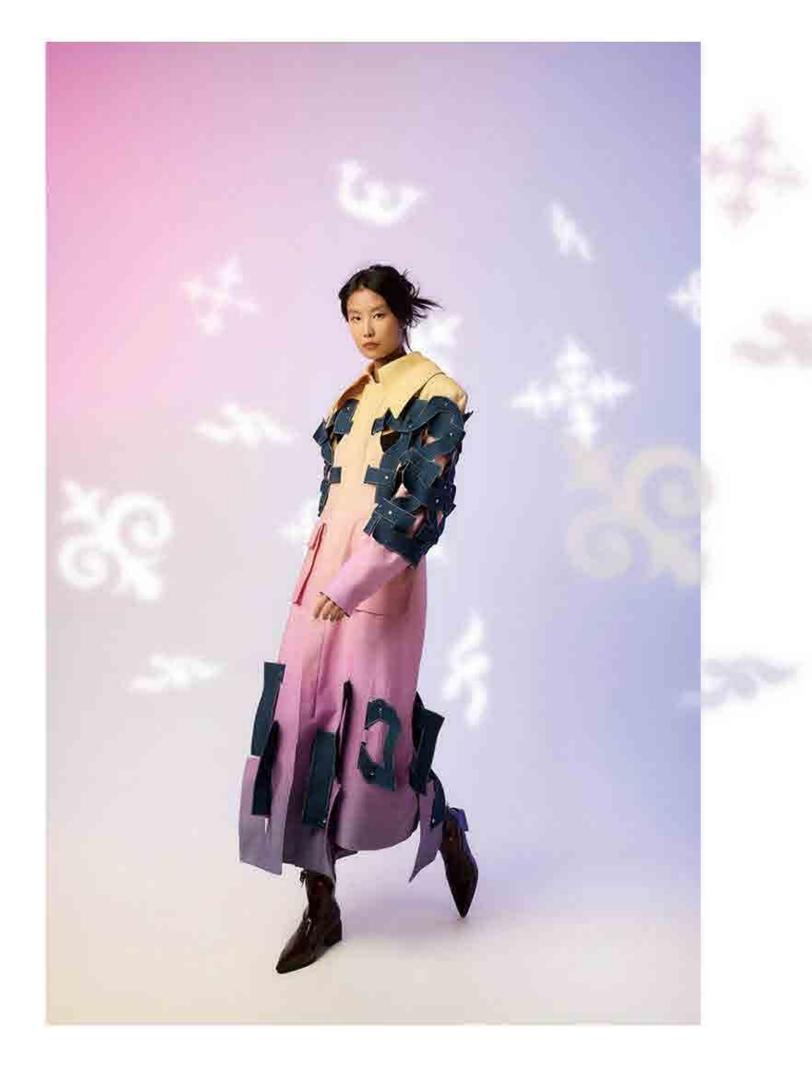












Photographer Charlotte Cullen

Models Emily Trotter Mae Bao Ishbel Carson

Designer Hilda Yang

> -opposite Charlotte Cullen. (2025) outfit3 [photography].Edinburgh.

-Right Charlotte Cullen (2025) outfit4 [photography].Edinburgh