### PROVERBIAL SYMBOLS IN CLOTH FOR GA ROYALS

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#### **ABSTRACT**

Proverbial concepts are the basic units of thought that underlie human intelligence and communication. Proverbial culture is the inevitable result of the way society philosophies are acquired, created, maintained and translated into symbols. Empirical studies conducted suggest that such cloth is nonexistent. This paper therefore discusses the translation of Ga proverbs, into symbols, use these proverbial symbolisms to produce royal clothes. An expository research design was used to throw more light on the design formation and its interpretation. This was attained through constant social interaction characterized by casual conversation with the custodians of Ga royal culture and knowledgeable elders' to formulate, describe, evaluate and assesses the proverbial symbols. Out of over ninety of the richest Ga proverb repository identified and documented, only the few selected, were discussed and philosophically interpreted for easy visualization to enhance their usage in education. The realization was that the royal proverbial symbolic cloth was possible and acceptable to the custodians of the Ga culture. It is recommended that the rest of the proverbs unattended to would be worked on to further promote the rich cultural heritage of the Ga people in Ghana.

Keywords: Proverbial culture, proverbial symbols, Ga Royal culture, Royal cloth, philosophical interpretation.

### INTRODUCTION

The context in which proverbial concepts are formed provides meaningful interpretations of the proverbial symbol. The relationship between proverbial language and visual symbolic development is an old long intriguing philosophical and psychological, artistic activity that has been in existence for decades. Recent years have witnessed a surge of interest in this area in Ghana (Clark, 2004).

Traditions usually start out as oral stories depicting immortals with super-natural powers over their mortal subjects. Traditions are in an essence a starting point in any societies' history and culture, giving them a sense of identity or a way to explain the unexplainable events, to understand the notions of the harvesting seasons, to behave within a code of social structure and to understand and to give an explanation to good and evil deeds as they occur. Traditions reflect the culture they sprang from and are particular to that society. The traditions themselves can be seen as a representation of religious, philosophical or psychological beliefs that are particular to a society, describing their perceptions of themselves and of the outsiders. Symbols are the tangible aspect of these traditions and they give visibility to an invisible idea or a set of beliefs. Symbols are unique to a particular society and their geographical surroundings (Boia, 1997; Danser, 2005).

The term 'culture' refers to the language, beliefs, values and norms, customs, dress, diet, roles, knowledge and skills, and all the other things that people learn that make up the 'way of life' of any society. Culture is passed on from one generation to the next through the process of socialization. The dominant culture of a society refers to the main culture in a society, which

is shared, or at least accepted without opposition, by the majority of people (Rogoff, 2003). What is valuable and worthwhile in a dominant culture is regarded as more important, and is given a higher status, than those of others. Personalities within the society constantly misinterpret or varies, some piece of culture, as well as make deliberate variations and effectively so, it is essential that some processes are put in place to limit diversity. Documentation of its symbolism becomes more imperative due to the emergence of subcultural activities. There are no cultures that are impervious or porous to the influences of other cultures as such cultural diversity inevitably develops in the course of cultural transmission.

When societies are very small, such as small villages in traditional societies, people share a common culture or way of life. However, as societies become larger and more complicated or metropolitan, a number of smaller groups emerge within the larger society, with some differences in their beliefs and way of life (Pagel and Mace, 2004). Culture is rooted in the experiences, customs and beliefs of the everyday life of ordinary people. It is 'authentic' rather than manufactured, as it is actively created by ordinary people themselves. Examples include proverbs, traditional folk songs, 'Ananse' storytelling and folk dances which are passed on from one generation to the next by socialization and often by direct experience in many rural events. Proverbial culture is treated with respect and reverence, encaged in philosophy of lasting value, a part of a heritage which is worth preserving. The concept of proverbial culture is an important identity through which societies encapsulate the wisdom of the ancient established over the years that distinguish them from one society to another or form social connections with each other. The degree to which such beliefs and practices were exercised, in both frequency and intensity, was dependent in part on the degree to which proverbial culture became preclude to cultural symbolism.

Traditional technology provides the avenue of translating proverbs into visual symbols which augment their abilities to communicate and create new opportunities in art and culture. Focusing on such dynamics increases our appreciation of the cultural flexibility of such proverbial symbolism and their innovativeness in creating new social awareness and shared symbolic expressions under contemporary circumstances (Gundaker, 2000).

Design philosophy in any culture pulls its uniqueness from its customs, culture and technology, "its genealogy is entrenched with its localized and indigenous traditions. The perception of a unique worldview is rooted within the confines of its localized habitat" (Shastri, 2007, cited in Shalini & Sibicham, 2011). Textile fabrics made in Ghana, in its visual and tangible exhibition disseminates part of the cultural and ethnic belief of most Ghanaians. Local fabrics produced in Ghana are for various purposes, starting from the royal domain to the family unit and beyond. Proverbs, popular expressions, theme and colour of textile fabric are vital to consumer choice and selections made. Picton (2004) conceded that, designers trained with this notion, provides clothing for West Africa markets with local proverbs illustrated for acceptance by the local consumer. Fletcher (2010) established that clothes are much more than the fibre and chemicals needed to produce them. These tacit semantic and symbols are communication of culture, newness and custom. Like Adinkra symbols, Williams (2011) reiterates that it is a system of cyphers and communication based on the spirituality and culture of its people.

Additionally, these stylistic proverbial symbolism not only served to communicate a component of the core philosophy of the Ga's, but also resulted in a truncated form of symbolic artistic expression that was increasingly multifaceted. Individual creativity in the use of proverbial symbolism thus generated artistic expressions which were very likely meaningful to persons educated in Ga culture as well, as the artistry of their craftsmen. This stylistic

symbolism thus facilitated the formation of new social acceptable symbolism among its citizenry. *Ga* proverbs and symbols that exist have not been fully adopted in *Ga* traditional cloths, especially the royal cloths of the chiefs and queen mothers. In order to sustain the existence of this important aspect of the *Ga* tradition, it has become necessary to explore the possibility of preserving and popularizing them through the designing array of cloths for chief and queen mother of the *Ga* state. *Ga* proverbs are fascinating and reflect the imaginations, knowledge, wisdom, ethics and morals of the people yet its symbolic representations are virtually absent. Their explorative nature covers the field of religion, philosophy, sociology, medicine, economics, science history and geography.

Geographically, the Greater Accra Region, of which the Ga's belong, is the smallest of the 10 administrative regions in terms of area, occupying a total land surface of 3,245 square kilometres or 1.4 percent of the total land area of Ghana. In terms of population, however, it is the second most populated region, after the Ashanti Region, with a population of 4,010,054 in 2010, accounting for 15.4 per cent of Ghana's total population. The major ethnic groups are the Akan (39.8%), Ga-Dangme (29.7%) and Ewe (18%). The Ga's however form the largest single sub-ethnic grouping, accounting for 18.9 percent. The Ga's mostly inhabit the Accra plains, found in the west of the coastal lands. According to the 2010 census, they constitute the second largest ethnic group within the Greater Accra Region, Ghana, numbering 1,190,986.04, (Kissi-Abrokwah, Andoh-Robertson, Tutu-Danquah, & Agbesi, 2015). Their homeland on the Accra Plains in southeast Ghana extends along the Atlantic coast for about forty miles between Laloi Lagoon and the Densu River and is bounded by the Akwapim scarp on the north. The Ga heartland for three centuries has been the homeland of Ga's found in series of coastal towns, each with its dependent villages and hamlets. These towns; Ga Mashie, Osu, Labadi, Teshie, Nugua and Tema, are welded into a loose confederacy under the Ga king (Ga mantse). Furthermore, the Ga speaking people who migrated from Akwamu,  $An\zeta h\xi$  in Togo, Akwapim, and surrounding areas, constituting the Ga- Mashie which consists of towns like ←Leshie, Sempe, Akamanje (,Abolaa, Asere, Gbese, occupying the central part of Accra.

The Ga people celebrate the great transitions of human life and passages throughout the lunar year, with rituals. These several rites and rituals performed covers the right of passage from childbirth, puberty, marriage and death as well as thanksgiving. For the majority of people, these celebrations provide all that is satisfying, to their communities and families. Many of these festivals include thrilling durbars, thanksgiving ceremonies, funerals and 'enstooling' of chiefs. On these occasions tribal leaders and queen mothers are seen in colourful clothes, sitting in decorated palanquins, shaded by the traditional umbrellas and supported by drummers and warriors, firing ancient muskets. For the Ga people of West Africa, such pattern of revelation is exemplified in the celebration of the " $H\xi\mu\xi\omega\xi$ " festival. The " $H\xi\mu\xi\omega\xi$ " festival is graced with great shouting and rejoicing over the plenteousness of the harvest. In the past, yellow was the primary colour worn on the occasion, presently red is worn by the royals. The non-royals, who witness this occasion, pick a particular design of cloth to wear. In Ga the act of sharing the common red stripe cloth pieces is known as "aako mama", \* this is practised amongst the youths of Osu, La and Teshie. In the past " $K\xi\varphi\alpha$  (" (wine or maroon colour) was worn on the body and some placed around the head to signify bereavement. During the wars the soldiers, known in Ga as the "blafoi" wore wine coloured cloths, scary hats and walked bare footed. Today, people use red, black and white in different prints to grace these occasions. However, these clothes displayed are void of visual symbols that reflect their philosophy as a person, but only seen in gestures and appellations showered to the Ga Mantse. Empirical studies indicate of their use of symbols in other forms of artistic expressions in wood or metal. To address this undesired situation, researchers deemed it fit to come out with a befitting royal cloth for the

Ga mantse and the Queen mother for their collaborative festivals. The symbols used were deduced from various angles of life. These include themes of Ga proverbs that eminent historical events, expressions of particular human attitudes, noted animal behaviours, plants and abstract shapes of inanimate and synthetic entities (Unique Speak, 2005). A typical example is the Adinkra cloth used by the Asantehene of the Asante, which is now being produced on a larger scale by various textile industries. The principal objective was to use Ga proverbs to design proverbial symbols to produce Ga royal clothing's via the hand screen method.

### **MATERIALS AND METHODS Materials and Tools**

Materials used for the project were as follows; mercerized cotton fabric, tracing paper, designed screens, mild detergent, a cake of latex foam for washing, plastic cups, spoons and rubber gloves, thumb-tacks, small plastic palette bowl for measuring print paste, and aprons. Tools and equipment employed in the project included, a pair of scissors, pens and pencils, cellotape, a ruler, a squeegee, masking tape, working table, metal bucket, pressing iron, working shed, and camera.

### Methodology

The qualitative study, the expository, descriptive and the experimental research methods were employed to demonstrate and produce fashionable designed royal printed fabrics for the chief and the Queen mother of the Ga people for festive occasions using the proverbial symbols formulated out of the Ga proverbs. Using the descriptive analysis, the authors drew on a range of Ga proverbs in order to provide fresh theoretical insight into the possibility of using proverbial symbols as motifs for developing fashionable designed royal fabric prints wear. The experimental method, was used to manipulate and control the testing of the designs, handling and production of the royal printed fabrics. Structured observation was used to evaluate the selected items in terms of their colour, quality, material and design. As described by Best, & Khan (2002) and Cronin, Brady, & Hult (2000) this exercise provided the basis for assessing the value and result of the project. Various proverbial motifs and design arrangements were experimented with pieces of mercerized cotton to ascertain their effectiveness for both functional and aesthetic purposes.

### **Designing**

Before commencing the project, the researchers did preliminary work as to how the designs of the cloths would look like in order to get the right and favourable tools, materials and techniques to use. The researchers made a lot of designs in relation to the symbols and the cloth designs. Based on the availability of tools and materials, the actual symbols and designs was selected and worked on. The researchers translated the *Ga* proverbs identified into symbols by using the following considered parameters during their formation. Elements of design as observed in nature like Circle, square, oval and half sphere or crescent shape were used and in some cases philosophical ideas were used in deriving the symbols. The circle symbolizes the power and the presence of God; it also symbolizes purity, kindness, justice, love, and holiness. The oval and half sphere or crescent shape denotes beauty, cleansing, tenderness, warmth and affection and these are normally associated with females. The square symbolizes perfection, stability, faithfulness, justice and courage. Others included their cultural visual forms, the socioeconomic, political, religious, cultural activities of the *Ga* people. In translating the

proverbs into English, care was taken not to lose its rich meaning, which is the lyrical rhythm associated in their pronunciation in nature.

### **Selected Symbols**

Proverbial symbols designed were made up of geometric symbols and figurative symbols. These proverbial symbols are richly impregnated with myths, ethics, virtues, and reprimanding messages (Table 1). The geometric motifs used are the Deer Hat / Crown referred to as the "Adowa fai" (Fig 1), the outboard motor known as the "Aheadi $\zeta$  y $\zeta$  n $\xi \leftrightarrow k \land awiri\xi$ " (Fig 2), the candour referred to as "Akro Madio Kpoo" (Fig 3). The other geometric symbol considered was the "Ma $\leftrightarrow$  ko ta ma $\leftrightarrow$  ko n $\xi$ " as shown in fig 4. The figurative motifs are the "Ja ny $\xi \leftrightarrow m\xi$   $\phi$  (Fig 5) meaning Except God" described as the traditional double umbrella for chiefs and Queens among the Akan culture and the star referred to as " $\leftrightarrow$ ulamii", (Fig 6) the state sword referred to as "Tsi" (Fig 7), the honey bottle known as "Woo t $\xi \leftrightarrow$ kpaaa  $\leftrightarrow \xi\xi m\xi$  (Fig 8) and (fig 9) the nursing mother referred to as Yoof $\xi$ yoo le noni ebii baa ye. The figurative motifs depict stylized human beings, cultural forms and animals, the geometric designs comprise crescents, rhombuses, triangles, and hatchings, vertical and horizontal lines.

Below are the selected Ga proverbs adapted and developed into symbols and used for the project with their symbolic interpretations.

#### 1. Adowa fai

English (lit). Deer hat / Crown

Meaning; – The cunning, swiftness and agility and wisdom of the deer are exemplified in the ruler.



Fig 1: Adowa fai

### 2. Aheadi $\zeta$ y $\zeta$ n $\xi \leftrightarrow \leftrightarrow k \land$ awiri $\xi$

English (lit). A canoe is paddled although the outboard motor is present.

Meaning; One of status cannot operate in isolation he needs the co- operation of those under him.



Fig 2: Aheadi $\zeta y \zeta n \xi \leftrightarrow k \wedge awiri \xi$ 

### 3. Akro madio kpoo

English (lit). Say it plainly or candor

Meaning: One must be honest, frank not in fear or guile.

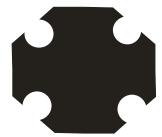


Fig 3: *Akro madio kpoo* 

### 4. Ma $\leftrightarrow$ ko ta ma $\leftrightarrow$ ko n $\xi$

English (lit). One nation is advanced than another nation.

Meaning: There is always a better way of doing things or there is always someone who is more knowledgeable.



Fig 4:  $Ma \leftrightarrow ko \ ta \ ma \leftrightarrow ko \ n\xi$ 

### 5. Ja nyξ↔mξ

English (lit). Except God

Meaning: Ja means except,  $ny\xi \leftrightarrow m\xi$  means God. God is regarded as the creator and ruler of the world and humanity; therefore he must be revered and worshiped.



Fig 5:  $Ja \, ny\xi \leftrightarrow m\xi$ 

### 6. K $\zeta$ jets $\zeta$ re l $\zeta$ jeee heko $\leftrightarrow$ ulamii l $\zeta$ etee shi mo $\leftrightarrow$ m $\zeta$ ni fee am $\zeta$ l $\zeta$ eye am $\zeta$ n $\xi$

English (lit). When day breaks the stars do not go anywhere but the one who made them has overcome them.

Meaning: No matter how one may feel, he/she is answerable to someone.



Fig 6:  $K\zeta$  jets $\zeta$ re  $l\zeta$  jeee heko  $\leftrightarrow$ ulamii  $l\zeta$  etee shi mo $\leftrightarrow$   $m\xi$  ni fee am $\zeta$   $l\zeta$  eye am $\zeta$   $n\xi$ **7.** Tsi

English (lit). State sword

Meaning: Valour or strength of the  $Ga\ ma \leftrightarrow ts \zeta$ 



Fig 7: Tsi

### 8. Woo $t\xi \leftrightarrow kpaaa \leftrightarrow \xi \xi m \xi$

English (lit). The honey bottle is never tasteless (does not lose its sweetness) Meaning: Good and success are always sought after and welcomed.



Fig 8: Woo  $t\xi \leftrightarrow kpaaa \leftrightarrow \xi \xi m\xi$ 

### 9. Yoofξyoo le noni ebii baa ye

English (lit). It is the nursing mother who knows what her children will eat.

Meaning: Sacrificial love and empathy, the going at length to make sure her offspring survives is the trademark of a mother's tenacity.



Fig 9: Yoofξyoo le noni ebii baa ye

The remaining proverbs below were translated into symbols thou not shown were not selected due to purely aesthetic reasons but their interpretations or meanings are all stated.

### **Table 1: Collection of Ga proverbs**

1.	Abui ni he edξ lζ shaa kpaa	2.	Amξξξ moko nine ashiii tsitsi
	English (lit). A hot needle scotches		English (lit): One does not beat his chest
	threads.		with another's fist
	<b>Meaning:</b> Even when one is justifiably		Meaning: One should not claim for
	angry, there's wisdom in being patient and		him/herself what he/she did not create or
	exercising self-control so as not to cause		originate.
	harm or act unwisely.		
3.	Fio fio ni ad $\xi$ d $\xi \leftrightarrow$ k $\zeta$ ye gbee toi	4.	Anξkwa sheee gbeyei
3.	Fio fio ni ad $\xi$ d $\xi$ $\leftrightarrow$ k $\zeta$ ye gbee toi English (lit) The fly consumed the	4.	Anξkwa sheee gbeyei English [lit]. There is no fear in truth.
3.		4.	
3.	English (lit) The fly consumed the	4.	English [lit]. There is no fear in truth.
3.	<b>English</b> (lit) The fly consumed the dog's ear in bits.	4.	English [lit]. There is no fear in truth.  Meaning: No matter how long one tries to
	English (lit) The fly consumed the dog's ear in bits.  Meaning – Success is achieved by		English [lit]. There is no fear in truth.  Meaning: No matter how long one tries to hide behind deception, truth will always

**English:** (lit). The sparrow says not that it English (lit). By means of the mummy truck has not heard, but that it is disgusted at the a town thrives Meaning: A person of seemingly honour is indispensable in society. **Meaning:** A wise person does not give attention to verbal insinuations and invectives of his detractors. 7.  $K\zeta$  akoo na eye  $l\zeta$  eko kpaa owa $\leftrightarrow$  naa Ashinao tseee yζ onukpai ahiζ ni elaaje English (lit). When the parrot feeds the English (lit). A string of beads does not get lost when it falls before the elders. toucan is not left out **Meaning:** All people have equal rights in **Meaning:** There is no misunderstanding or society that must be respected. disagreement that is not subject to peaceful

settlement.

#### 9. Akroma k $\zeta\zeta$ no f $\zeta\zeta$ no ni Ny $\xi\leftrightarrow$ m $\xi$ fe l $\zeta$ 10. Aspatre $k\zeta\zeta$ el $\zeta\zeta$ shi el $\zeta\zeta\zeta$ fe gb $\zeta$ English (lit). The sandal says it's wide, but hi naakpa **English (lit).** The hawk says all of God's not wider than the road. handiworks are good. Meaning: One must learn to be content with Meaning: With better understanding one abilities and not contend with the appreciates the works of God. impossible. 11. Alagba tζ gbeξ looflξ 12. Asraafoi $f\xi \leftrightarrow b\zeta$ shi ta $ts\zeta$ $f\xi \leftrightarrow y\xi\xi$ English (lit). An unintended strike can kill English (lit). Incompetent soldiers do not exist, but an incompetent captain does. a bird. Meaning; A seemingly unimportant Meaning: Incompetence of a group of venture can yield unexpected success or workers reflects the bad administration of profit. their leaders. 13. Alakaaa Ny≿↔m≿ 14. Adamξξξ asamankama mli ni afamξ English (lit). God cannot be deceived asamankama Meaning: One will reap what he sows and English (lit). One does not stand in a patch cannot escape the long arms of the law. of thistles to pull out thistle Meaning: Discretion is better than valour. 15. Aleee Ahaaa mξni leee 16. Nyξ↔mξ jwζ↔mξ tamξ atatu English (lit). One cannot do another's English (lit). God's wisdom is like clouds. thinking for him/her Meaning: He is unfathomable those always Meaning: Ignorance is no excuse for looking for him are blessed as like clouds negligence of duty and responsibility which brings copious rain. is imperative. 17. Aleee Ny ξ↔mξ jwζ↔mξ 18. Ayigbe adida (efo $\xi$ s $\zeta\zeta$ k $\zeta$ hi $\zeta$ ) English (lit). No one can tell God's mind English (lit). A double edged shears Meaning: Gods ways are unfathomable; Meaning: A dangerous and untrustworthy one should always look for him. person. Also problems are not settled by sheer power. 20. Bai enyξ hooo tζkplo kome shishi 19. Atoo hu kζ ebasa↔ English (lit). The little bird Atoo also has English (lit). Two crocodiles cannot fit in its range of flight one cave. Meaning: Abilities differ from one person Meaning: Humility is indispensable to

on his own merits

21. Atsiki oye "bua"

to the other, therefore one should be judged

peaceful coexistence.

22. Batafo le kpokpolodo

English (lit). Atsiki [a kind of net] is	English (lit). The warthog does not regard
strong.	the noise made by the scarecrow.
Meaning: One has been always sure of	Meaning: One has to be determined to face
success with the right tools and expertise	and endure the anxieties of life.
23. Atswã hi fξ mξ mli ni atsa	24. Blema efeee enoko yaka
English (lit). A scar is better than a sore	English (lit) Historical events are not
Meaning: Dealing expediently and	worthless
quickly with matters is better than	Meaning: Life is a recurring series of
procrastinating.	precedence that provides wisdom and
r	knowledge when considered.
25. Atsuuu mξ ↔wζi asha eshishi a↔tswele	26. Akζ blema ↔me ehooo wonu
English (lit). One is not sent for a ladder	English (lit). Old palm nuts are not suitable
only to have it snatched from under him.	for preparing soup.
Meaning: do not be a betrayer of other	Meaning: Modern problems need new
people's confidential matters and trust.	solutions not old methods.
27. Ayiii mo atuaaa yaafo	28. Akζ blξfo kpaa e↔mξξξ shwuξ ni agbala
English (lit). One cannot be flogged and	Iζ
prevented from crying.	English (lit). No one tries to tie and drag an
Meaning: when one is hurt by another she	elephant with a sewing thread.
should be allowed to talk about her pain or	Meaning serious matters deserves equally
hurt done to her. Also the accused should	strenuous thinking and discernment.
be allowed defence.	strong and discomment.
29. Awale tζ kζζ ma wξ ↔mεi amli kζ ηα	30. Ejurξ juξ abζku he ni abζku hu juξ ejurξ
wξ sζζ shweshweeshwe hewξ↔	he
English (lit). The "Awale" marble says it	English (lit). The right hand baths the left so
resides in thorns for future security.	also the left baths the right.
Meaning: due to mishaps one goes to	Meaning: In life co – operation and mutual
lengths to take precautions to safeguard	helpfulness are the basis of individual
his property to offset such crisis.	successes
31. Κζ okζ kwei nyζ yeee lζ oyeee eyolo	32. Etsuru ne, edin ne
English (lit). If you at loggerheads with	English (lit). This is red (fair) and that is
Kwei's mother, you do not eat her corn,	black (dark).
wine and cake.	Meaning: One must be forthright and honest
Meaning: One has to be cautious around	in his/her dealings no duplicity.
his enemies.	an may not beamings no surprising.
33. Enam	34. Ashwζζζ yζ haatso shishi fe nξkξ tso↔
English (lit) Achievements come through	shi
work not luck.	English (lit). One does not play under the
Meaning Capital is the backbone of all	candle wood tree, but rather the swamp
business ventures.	ebony tree.
business ventures.	Meaning: Every sound minded person loves
	peace and not a stressful situation
35. Fotei hζlζξ dani amegbeξ	36. Κζji otere moko jatsu le ohaa lζ tako
English (lit). Termites confer before	English (lit). When you give load to a head
dispersing.	porter, you supply him /her with a head pad.
Meaning: One needs to seek advice before	Meaning: A given contract must be matched
embarking on any venture.	by an equal remuneration
	•
37. Kζ Gbalξ gba bo lζ bo hu gbaa ohe	38. Κζji afutsζ kζζ emu mle aahu lζ etamξ
	hala ni eba ka ⇔shξ naa

English (lit). If a prophet foretells an event English (lit). If the humped back says he/she one must advise himself to evaluate the has ducked under water, he is like the turtle on the seashore. Meaning: When one is told something, it's Meaning: One cannot escape the long arm of a wise thing to reason on and evaluate the the law. Also one cannot hide his/her deeds of pros and cons before acting. God. 39. Gbee kõ gbee ejeee la 40. Kakalika nuξ tswetwseetswei awiemξ English (lit). There is no blood drawn in a English (lit). It is the cockroach who hears dog fight. the moans of the rheumatic sufferers. Meaning: Acquaintances and siblings are Meaning: Only those who have their ears to bound to stumble one another, so they must the ground get to know what exactly goes on learn to freely forgive in secret. 41. Gbζ fζζ anaa ji tsu **42. Je** ⇔ yζ kokloo English (lit). All roads lead to the door. English (lit). The world is round. Meaning: One should do things lawfully Meaning: One cannot run away from his /her mistakes. Also one misfortune would and through approved channels. not continue to remain such. 43. kζ gbu ni ma gbo 44. Kluklu kζζ Nyξ↔mξ yξξ ni wξ yξξ English (lit). Stab and let me die. English (lit). The tiger ant says God lives I Meaning: love is unfailing and endures even pain and oppositions. Meaning: God is the keeper and giver of life; therefore there is hope in him. 45. Gbξbilξ gbζi pζtζ emζlζ loo he 46. Kζ efi kootsζ lz ekpeξ tso English (lit). The hunter is famous by his English (lit). When the leopard is in dire straits, it chews the tree bark. game. Meaning: One achievement is shown by his Meaning: When things go wrong one would /her ability to perform reputable deeds and do things one would not do things he/she not by empty boast. normally does. 47. Gbξtsui ashibantsζ ma shi dani kanya 48. Laasa kζζ ehiζ kpaaa heni afu ela↔mξ yζ kξkξξkξ English (lit). The anthill existed before the English (lit). The fruit "laasa" says it will beryl tree. never forget where its navel was buried. Meaning: One must learn to respect the Meaning: one must not forget his authority of the elderly. responsibility towards one's parents. 49. A↔mξξξ kpξ ashiii gξnti sζζ 50. He fζlemξ hewξ↔ atoξ waonaa English (lit). It is because of the itching skin English (lit). A knot cannot be tied without the thumb. that nails are grown. Meaning: A matter cannot be solved in the Meaning: One has to save against future absence of the main players. mishaps 51. Akζ kplotoo haaa kla↔ shitoo 52. Κζ lilζi kζζ ekζ aahu efeee je↔ English (lit). The pig is not given to the English (lit). If the tongue says it is long it wolf for safekeeping cannot rival the python Meaning: One should not be left at the Meaning: Experience brings along with it mercy of his enemies. wisdom that surpasses mere knowledge.

## 53. K $\zeta$ ji okotsa ek $\xi$ $\xi$ $\leftrightarrow$ sh $\xi$ l $\zeta$ osliki duku kplekeee shi

### 54. Loo pii fiteee wonu

English (lit). Much fish /meat does not spoil the soup.

English (lit). If your sponge does not go over the waves, you will hardly see your silk Scarf coming down.

Meaning: If one is not generous, people will hardly be generous to you. Also, without sacrifices one can hardly be successful and happy in life.

Meaning: when there are more helping hands and minds, a job is done efficiently, quickly and solutions are enhanced and complete.

## 55. Κξξyξξ yξξ nζζ εnaa yζ gbabugbabuu shi akζ lampado saa enaa

English (lit). The wind is unwieldy, however the sail controls it.

Meaning: With wisdom, discernment and forethought one can overturn a seeming setback into an advantage.

# 56. Abusumakutre k $\zeta\zeta$ je $\leftrightarrow$ y $\zeta$ l $\xi$ g $\xi$ ligi no hew $\xi$ ekase emli shihil $\zeta$

English (lit). The chameleon says the world is diverse, so he has learned to live with it. Meaning: One has to be bold resilient, flexible and resourceful in life.

## 57. Kokolonto ts $\zeta\xi$ y $\zeta$ m $\xi$ nine shi ni ekage $\xi$ y $\zeta$ m $\xi$ hi $\leftrightarrow$ m $\zeta$ i $\leftrightarrow$ shi

English (lit). The top spins with one's hand and falls under one's eyes.

Meaning: there is nothing that escapes the sight and attention of God, he controls all things.

### 58. Manpa↔ kζζ eye bem ni eku tso ewo etoi↔

English (lit). The monitor lizard was acquitted so, it's plugged its ears with stumps.

Meaning: A wise person stays clear of trouble makers.

# 59. Kζ Nyξ↔mξ mi↔ kpζ lζlζ/meele hao ni o↔mζζ otsui shi, onaa lζlζ ni duξ

English (lit). If God is carving you a canoe and you are impatient you get a leaky one. Meaning: One cannot dictate to God, patience, reliance brings enormous rewards.

### 60. K $\zeta$ ok $\zeta\zeta \leftrightarrow$ w $\zeta$ i nõ l $\zeta$ ok $\zeta\xi$ shikp $\xi\leftrightarrow$ hu nõ

English (lit). If you speak with respects to heavens you must do so also with respects to the earth.

Meaning: One should not be partial in his administering justice, fairness and equity is essential.

### 61. Nyany $\xi \leftrightarrow$ le m $\xi$ ni ek $\zeta \leftrightarrow$ m $\xi \xi$

English (lit). The tooth knows who it laughs with.

Meaning: Close associates understand each other.

### 62. Odaakζlζο kζζ egbooo yζ klante naa

English (lit). The lizard says it would it would not die by the machete.

Meaning: One should not walk knowingly into danger.

# 63. K $\zeta$ tso kome kpee k $\xi$ y $\xi$ $\xi$ ahum naa l $\zeta$ eku $\xi$

English (lit). If a lone tree braves the storm it breaks.

Meaning: A heavy responsibility must not be borne by one person, collective action, interdependence between individuals and nation is necessary.

### 64. Gb $\zeta$ egb $\zeta$ jio gbi egbi jio fofon Ofe le nonn afoo

English (lit). Whether it's scattered, withered or fatty it's the Almighty, we cry

Meaning: One cannot do without God in all situations.

## 65. Kζji ootao oshζ Nyξ↔mξ lζ wiemξ otsξξ kξvξξ

English (lit). If you want to send a message to God speak to the wind.

### 66. Beni oklopξ↔ yζξ ↔wζi lζ kootsζ hu nbξle kutu

English (lit). Whilst the eagle claims the sky the leopard is ogling around the raffia barn

Meaning: When petitioning a person of Meaning: When one is taking steps and high status (e.g. A King or an elder) you do making progress in achieving, others are so through a linguist or an emissary. clamouring over worthless things. 67. K $\zeta$  Ny $\xi \leftrightarrow$  m $\xi \leftrightarrow$  m $\xi$  kp $\xi$  I $\zeta$  moko ny $\zeta \zeta \zeta$ 68. Kζ Ma↔ baa butu otsaamζ muξ toi English (lit). If a nation heads for ruins its af∠ne responsible leaders- Linguist becomes deaf English (lit). When God ties a knot no one impervious to reason. can untie it. Meaning: God's wisdom surpasses man's Meaning: When something degenerates it is difficult to correct. thinking ability and understanding. 69. K $\zeta$  Ny $\xi \leftrightarrow$  m $\xi$  k $\xi$  t $\zeta$ , ef $\xi$  $\xi$  $\xi$  y $\zeta$  oyaiyeli mli 70. Ma $\leftrightarrow$ ts $\zeta$  f $\xi$  $\leftrightarrow$  b $\zeta$  shi otsaam $\zeta$  f $\xi$  $\leftrightarrow$  y $\xi$  $\xi$ English (lit). When God picks up a stone he English (lit). A bad king does not exist, but does not rush in throwing it. a bad linguist does. Meaning: God in his long suffering and Meaning: Incompetence of a group of compassionate nature does not wantonly workers reflects the bad administration of punish, but his justice will surely come. their leaders. 71. Nyξ↔mξ noko ji ↔metso 72. Bξni o↔mζξ osaa ohaa lζ nakai akζ bo English (lit). God's eyes are with our baa ↔mζ nξ treasure the palm tree. English (lit). The way one lays his bed is Meaning: Toughness and resilience can be how he would be laid on gained only through God's blessings. Meaning: If one is diligent and resourceful, he will enjoy the fruits of his labour. 73. Saa↔ξi ekako ↔wζi da 74. Nyξ⇔mξ bei ji bei English (lit). God's time is the best. English (lit). The kite never gets stuck in Meaning: One should be patient and lean the sky. Meaning: Ones evil deeds will always on God to work out things when it is best. catch up with him/her. 75. Akζ shajo emaaa Bo↔o 76. Κζ owo tsu lζ owoξ kζ emli kwakwei fζζ English (lit). The baobab is not used for English (lit). If you take possession of a scaffolding. house you also get the mice in it. Meaning: One's mere stature or physique Meaning: If one accepts a responsibility, an does not qualify him / her for a position of idea or contract he does so with the risks responsibility. involved. 77. Santrofi kζζ ada shi ada shi dawadawa 78. Agbeee shwuξ ni aja eloo gbi kome egba afoforo afi eje English (lit). Game elephant cannot be English (lit). The Nightjar says give thanks shared in a day. give thanks, the locust bean tree has Meaning: When serious problems arise, blossomed a new year has dawned. they must be treated with due care and Meaning: One has to be gracious and insight and not be rushed through to thankful to God for life and sustenance. complete.

79. Kζ noko bζ tsun hu lζ a↔aa shinaa	80. Wala samfee ni kζ ohiζ ona nii
English (lit). Even when a room is empty	English (lit). Life is a key if you have, you
the rooms are shut.	are rich.
Meaning: Every person is important.	Meaning: The one having life has
	advantages and opportunities.
81. Tsuwolξ lζ ateee lζ kpaa	82. Akζ waobii enumξ fζζ wooo daa
English (lit). One does not starve the	English (lit). All five fingers are not put in
rooter of cords.	the mouth.

Meaning: it is in one's own disadvantage	Meaning: One should avoid greed and
if she plays false with the one supporting	wastefulness.
him.	
83. Tsatsu kζζ nilee, jeee ↔maayeli kζ blξmξ English (lit). The ant says its knowledge;	84. Beni ahu ko la↔ma tζi anξ lζ jζmζ aduji yeξ nii yζ English (lit). Before the la↔ma hill became
not eating noise making.  Meaning: One reaches heights of	arable it was the feeding ground for monkeys.
achievement through knowledge and	Meaning: Whatever happens, God will
industriousness not empty boasts and	provide.
feasting.	•
85. Toi ni nuξ nii akζ lζ ewieee shi enyξ	86. Weku tamξ fξfξi ewoξ kushai
English (lit). Their hearing ear is not to twitch.	English (lit). The family is like a bouquet, it comes in bunches.
Meaning: One who is discerning acts	Meaning: Family members should work
accordingly when advised.	intimately with one another in unity.
87. Kζ tso futu tζ lζ efoo jara	88. Κζji kξyξξ tswa ni anaa wuξ tsofi
87. Kζ tso futu tζ lζ efoo jara English (lit). It is difficult felling trees	88. Κζji kξyξξ tswa ni anaa wuξ tsofi English (lit). When the wind blows the fowls
English (lit). It is difficult felling trees	English (lit). When the wind blows the fowls
English (lit). It is difficult felling trees amongst rocks.	English (lit). When the wind blows the fowls butt is exposed.  Meaning: The hidden deeds of hypocrites will be uncovered over time.
English (lit). It is difficult felling trees amongst rocks.  Meaning: Raising and educating children	English (lit). When the wind blows the fowls butt is exposed.  Meaning: The hidden deeds of hypocrites
<ul> <li>English (lit). It is difficult felling trees amongst rocks.</li> <li>Meaning: Raising and educating children among older ones are a difficult task.</li> <li>89. A↔mζζζ yaa yζ boka gbζ pζ English (lit). The net is not cast only in the</li> </ul>	English (lit). When the wind blows the fowls butt is exposed.  Meaning: The hidden deeds of hypocrites will be uncovered over time.  90. Yitso taaashi ni nakutso abu fai English (lit). The head does not forfeit its hat
<ul> <li>English (lit). It is difficult felling trees amongst rocks.</li> <li>Meaning: Raising and educating children among older ones are a difficult task.</li> <li>89. A↔mζζζ yaa yζ boka gbζ pζ English (lit). The net is not cast only in the eastward direction.</li> </ul>	English (lit). When the wind blows the fowls butt is exposed.  Meaning: The hidden deeds of hypocrites will be uncovered over time.  90. Yitso taaashi ni nakutso abu fai English (lit). The head does not forfeit its hat it the knee.
English (lit). It is difficult felling trees amongst rocks.  Meaning: Raising and educating children among older ones are a difficult task.  89. Α↔Μζζζ yaa yζ boka gbζ pζ  English (lit). The net is not cast only in the eastward direction.  Meaning: One has to be open minded to	English (lit). When the wind blows the fowls butt is exposed.  Meaning: The hidden deeds of hypocrites will be uncovered over time.  90. Yitso taaashi ni nakutso abu fai English (lit). The head does not forfeit its hat it the knee.  Meaning: One should equally accept his/her
<ul> <li>English (lit). It is difficult felling trees amongst rocks.</li> <li>Meaning: Raising and educating children among older ones are a difficult task.</li> <li>89. A↔mζζζ yaa yζ boka gbζ pζ English (lit). The net is not cast only in the eastward direction. Meaning: One has to be open minded to opportunities and ideas that come his/her</li> </ul>	English (lit). When the wind blows the fowls butt is exposed.  Meaning: The hidden deeds of hypocrites will be uncovered over time.  90. Yitso taaashi ni nakutso abu fai English (lit). The head does not forfeit its hat it the knee.  Meaning: One should equally accept his/her due and not any less. Also one should
English (lit). It is difficult felling trees amongst rocks.  Meaning: Raising and educating children among older ones are a difficult task.  89. Α↔ mζζζ yaa yζ boka gbζ pζ  English (lit). The net is not cast only in the eastward direction.  Meaning: One has to be open minded to	English (lit). When the wind blows the fowls butt is exposed.  Meaning: The hidden deeds of hypocrites will be uncovered over time.  90. Yitso taaashi ni nakutso abu fai  English (lit). The head does not forfeit its hat it the knee.  Meaning: One should equally accept his/her due and not any less. Also one should equally accept his / her responsibilities or
English (lit). It is difficult felling trees amongst rocks.  Meaning: Raising and educating children among older ones are a difficult task.  89. Α → mζζζ yaa yζ boka gbζ pζ  English (lit). The net is not cast only in the eastward direction.  Meaning: One has to be open minded to opportunities and ideas that come his/her way to be successful.	English (lit). When the wind blows the fowls butt is exposed.  Meaning: The hidden deeds of hypocrites will be uncovered over time.  90. Yitso taaashi ni nakutso abu fai English (lit). The head does not forfeit its hat it the knee.  Meaning: One should equally accept his/her due and not any less. Also one should
<ul> <li>English (lit). It is difficult felling trees amongst rocks.</li> <li>Meaning: Raising and educating children among older ones are a difficult task.</li> <li>89. A↔mζζζ yaa yζ boka gbζ pζ English (lit). The net is not cast only in the eastward direction.</li> <li>Meaning: One has to be open minded to opportunities and ideas that come his/her way to be successful.</li> <li>91. Yξξyi kζζ mi diξ shi mi ↔ξξ</li> </ul>	English (lit). When the wind blows the fowls butt is exposed.  Meaning: The hidden deeds of hypocrites will be uncovered over time.  90. Yitso taaashi ni nakutso abu fai  English (lit). The head does not forfeit its hat it the knee.  Meaning: One should equally accept his/her due and not any less. Also one should equally accept his / her responsibilities or
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<ul> <li>English (lit). It is difficult felling trees amongst rocks. Meaning: Raising and educating children among older ones are a difficult task.</li> <li>89. A↔mζζζ yaa yζ boka gbζ pζ English (lit). The net is not cast only in the eastward direction. Meaning: One has to be open minded to opportunities and ideas that come his/her way to be successful.</li> <li>91. Yξξyi kζζ mi diξ shi mi ↔ξξ English (lit). The velvet tamarind says it's black yet sweet.</li> </ul>	English (lit). When the wind blows the fowls butt is exposed.  Meaning: The hidden deeds of hypocrites will be uncovered over time.  90. Yitso taaashi ni nakutso abu fai  English (lit). The head does not forfeit its hat it the knee.  Meaning: One should equally accept his/her due and not any less. Also one should equally accept his / her responsibilities or
<ul> <li>English (lit). It is difficult felling trees amongst rocks.</li> <li>Meaning: Raising and educating children among older ones are a difficult task.</li> <li>89. A↔mζζζ yaa yζ boka gbζ pζ English (lit). The net is not cast only in the eastward direction.</li> <li>Meaning: One has to be open minded to opportunities and ideas that come his/her way to be successful.</li> <li>91. Yξξyi kζζ mi diξ shi mi ↔ξξ English (lit). The velvet tamarind says it's</li> </ul>	English (lit). When the wind blows the fowls butt is exposed.  Meaning: The hidden deeds of hypocrites will be uncovered over time.  90. Yitso taaashi ni nakutso abu fai  English (lit). The head does not forfeit its hat it the knee.  Meaning: One should equally accept his/her due and not any less. Also one should equally accept his / her responsibilities or

### Designing the royal cloths

The designing process addressed the concept of traditional symbolism and contemporary design concepts from the perspective of African aesthetics. Colour combinations and motif arrangements were considered during the designing process. Based on the philosophical context of the proverbial symbols, sketches were developed for the actual cloth designs out of the symbols produced above (Fig. 1 - 9).



Fig. 10: shows some thumbnail sketches of translated Ga proverbs

With the help of the 2-D design program (Corel Draw), the researchers developed a composed cloth design out of the proverbial symbols selected for the King and the Queens (Fig 10 - 12).

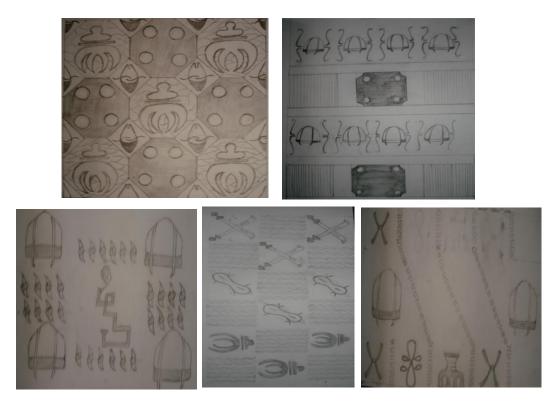


Fig. 11: Sketches of motif arrangements designed for the Kings' cloth.



Fig. 12: Sketches of motif arrangements designed for the Queen mothers' cloth.

These cloth designs were later developed with the aid of a computer 2-D design program (Corel Draw) for the King and the Queen Mothers' cloth (Fig. 13 - 14).

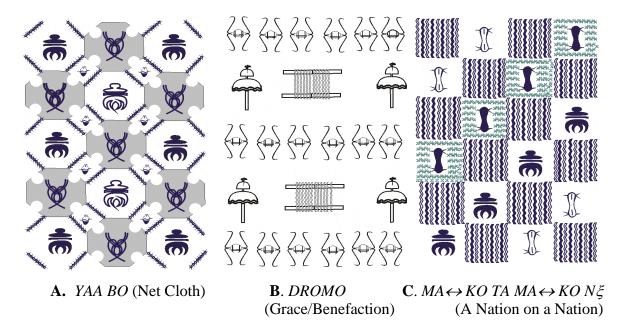
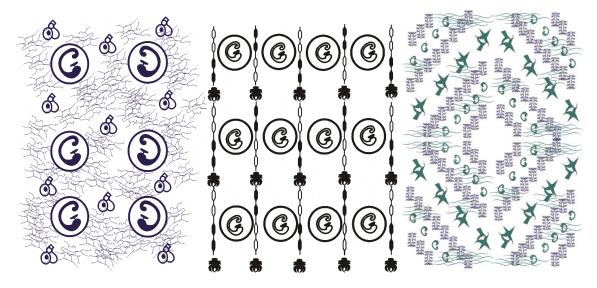


Fig.13A. B & C: Shows the Developed Cloth Designs for the King (GA MANTSE MAMAI)



**A.** YOO F ξ YOO (Mother) **B.** MI TSUI (My Heart) **C.** NY ξ NI BU ⊃ EBII AHE

Fig. 14**A. B & C**: Shows the Developed Cloth Designs for the Queen Mother (*GA MANYE MAMAI*)

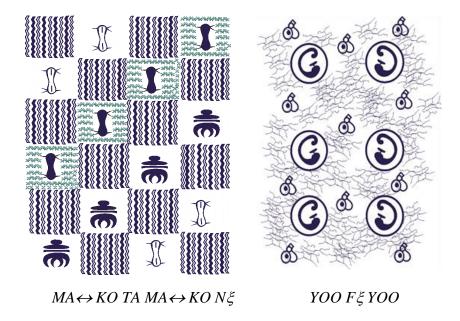


Fig. 15: Selected Cloth Designs for the King and the Queen Mother

### **Arrangement of symbols**

The concept of the arrangement of symbols apart from implying "traditions"; signify the relationships amid two or more symbols (Asmah, & Okpattah, 2013). Special significance appended to these symbols were their arrangements made to conform to that of Kente cloth apart from the background textures introduced into the entire composition (Fig. 13A & 13C). The placement and the nature of relationships between the symbols was determined by the overall philosophy and the name given to the cloth. The arrangement of motifs for royal cloths are generally placed in full-drop, half-drop or in a counter-change form (Fig. 13 – 14). Such arrangement is regarded as majestic, peaceful or visually stable while the colouring of these motifs tends to communicate the purpose and the philosophy of the state. Thus, the permutation and the position of these motifs in relation to one another and the decisions that dictate these choices often reveal the importance of the cloth designed. Such display exhibits the flexibility with which the motifs are approached and the inexhaustible possibilities apparent in their concept of interactive design arrangement adopted.

According to Maxwell (1990) proverbs like symbols held high in religious and philosophical significance turn to change eventually with time in social circles. He also argues that elements chosen for their ornamental appeal may later assume religious and philosophical meaning and significance compatible with the culture. All these trends are usually apparent in the Ghanaian use of symbols in fabric design. However, these significant reasons for the use of patterns, motifs or symbols on fabrics can be either aesthetic, socio- economical, cultural, religious and political from community to community or consumer preference (Asmah, & Okpattah, 2013). Such factors usually determine the cloth types, processes, colour arrangements and motifs used. (Digolo and Mazrui, 2005). Proverbial motifs have thus become a 'living' ideology within the society. Despite the inherited traditional symbols, the requirements of modern contemporary consumer culture have provided the need for newer and innovative symbols for textile fabrics Adonteng, (2009).

The following symbols chosen among numerous proverbial motifs selected from various proverbs as stated above (Fig. 1-9) underwent adaptation and development. The CorelDraw

was used to develop several possible re-compositions of the adopted symbols (Fig. 10). Other design concepts were considered; such as colour, dominance and symmetry (Asmah, & Okpattah, 2013). Virtual prototypes of the designed patterns were then reviewed and the best ones selected (Fig. 11 - 12). The researchers now made wooden frames on which organdie (mesh) was stretched with the aid of staplers and the designs developed onto the screen. The designs were transferred onto sample textile fabrics; and then produced on the actual fabrics for the chiefs and Queen mothers cloths. These final cloths were then appropriately named to correlate to the original symbolism of the adapted motifs. The following images (fig. 15) are the virtually manipulated symbols designed for the two printed fabrics produced.

To ensure excellent printout, the repeat within the selected designs were calculated and worked out, its colour separations done before transferring it onto a Kodak trace (a transparent paper with the size 12"inches by 40" inches was used) with an opaque ink. The selected designs were then developed on screens for printing. Each colour of the design had a separate screen for the printout.





Fig. 16: Sample of Ma $\leftrightarrow$  ko ta ma $\leftrightarrow$  ko n $\xi$ 

Fig. 17: Sample of Yoo fξ yoo

After successfully printing the samples (Fig. 16 - 17) the main cloths were, also printed (Fig. 19). The main motifs were printed first and the textures followed, in that order (Fig. 18). The fig below shows the researchers working on the main cloth (Fig. 19).





Fig. 18: Printing of the Ma $\leftrightarrow$  ko ta ma $\leftrightarrow$  ko n $\xi$  and the Yoo f $\xi$  yoo cloth



Fig. 19: Completed printed works of the Queen Mother and the Chief

#### RESULTS AND DISCUSSIONS

The Ga's mostly use the white clothes, but other colours like orange, blue-black and golden yellow clothes as the study demonstrate are also used for festive occasions like Həməwə and Asafotufiame. The project advisedly used the golden yellow, blue-black and orange for both the Chief and the Queen mother's clothes. The design, arrangement took the form normally associated with the Ghanaian traditional colourful Kente pattern combined with linear elements of design based solely on aesthetic purposes to form the background texture. In our bid to make popular the rich cultural symbolism of the Ga people, the study revealed extensive possibilities of using Ga proverbs as motifs in the designing and production of royal cloths via the screen printing method. Such similar designed proverbial symbols can be used to produce varieties of festive clothing's for various functions as demonstrated in this project. This new optional approach of designing royal fabrics can serve as the foundation for effective designing of chief regalia and other forms of royal clothing in Ghana.

#### **CONCLUSION**

The investigation into Ga tradition proverbs has resulted into the display of Ga traditional philosophical culture portrayed through its proverbial symbolism for documentation. The new trend discussed in this study, shows the possibility and feasibility for translating Ga proverbs into symbols for royal clothing's. Other forms of application of these symbols for wood, metal, bamboo works are feasible and can be done with fairly modest technology. It is recommended, however, that lesser known proverbial symbols from other cultures like Nzema, Ada exert era should be researched into to raise their level of awareness.

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#### **REFERENCES**

- Asmah, A. E., & Okpattah, V. (2013). Sirigu Symbols: A Metaphoric Element for Batik Prints. Arts and Design Studies, 12 (1), 49-57.
- Best, J. W., & Khan, J. V. (2002). Research in Education 7<sup>th</sup> edition.
- Clark, E.V. (2004). How language acquisition builds on cognitive development. Trends in Cognitive Sciences, 8, 472-478.
- Cronin, J. J., Brady, M. K., & Hult, G. T. M. (2000). Assessing the effects of quality, value, and customer satisfaction on consumer behavioural intentions in service environments. Journal of retailing, 76 (2), 193-218.
- Danser, S., (2005). The Myths of Reality, Alternative Albion, Loughborough (UK)
- Fletcher, K. (2010). Fashion and Sustainability. In M. F. Schultz (Ed). Sustainable fashion Issues to be addressed, p 34-41. Kolding: Zeuner Grafisk.
- Gundaker, G. (2000). Creolization, complexity and time. Historical Archaeology 34 (3): 124– 133.
- Kissi-Abrokwah, B., Andoh-Robertson, T., Tutu-Danquah, C., & Agbesi, C. S. (2015). Examining Occupational Stress on Family Cohesion: Implications to Women Professionals in Accra, Ghana. Research in Humanities and Social Sciences, 5 (1), 47-53.
- Pagel, M., & Mace, R. (2004). The cultural wealth of nations. Nature, 428, 276-278.
- Picton, J. (2004). Black Style. New York: V & A Publication
- Rogoff, B., Paradise, R., K., Mejia Arauz, R., Correa-Chavez, M., & Angelillo, C. (2003). First-hand learning through intent participation. An Annual Review of Psychology, 54, 175-203.
- Shalini S. & Sibichan K. M. (2011). Tradition Fashion Interplay: An Imperative for Identity & Continuity. London: Fashion Colloquia.
- Shastri, A. (2007). 'Indigo in fashion' at the Culture of Indigo-Exploring the Asian Panorama, Plant, Product', in Shalini S. & Sibichan K. M. (2011). Tradition Fashion Interplay: An Imperative for Identity & Continuity. London: Fashion Colloquia.
- Williams, J. K. (2011). The Language of Adinkra. New York Amsterdam News; Oct 27-Nov2, pg. 28. Journey Executive Travel & Tours, (2012).