Title: FABRICS FASTENING APPARATUS, METHOD AND SYSTEM

Abstract: This invention is for any geometrical shapes or knots shape semi or full detachable from a neck wear assembly commonly use as in ties, scarf, cravats but not limited to. This can be used to replicate the look of knots or other geometrical shapes. This invention is the most convenient for the consumer who wants to be on the go and look professional and stylish without sacrificing the quality. The shapes make it appear as if the consumer spent a lot of time to have the perfect tie knot shape. It also gives the feel of a regular neckwear tie, scarf or cravat with out the hassle. These shapes has help solve this issue where anyone can put the knot shapes on with out help other than reading or viewing the instructions once. Consumers can have tie at different lengths with out having to redo the tie.
before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))
Fabric Fastening Apparatus, Method and System.

CROSS-REFERENCE TO RELATED APPLICATIONS

This application is Non-Provisional PCT Application claiming priority from U.S. Provisional Application No. 61693754 filed on 27 August 2012.

FIELD OF THE INVENTION

The present invention relates to simulated tie-knots primarily for use as human apparel, but may be used for other purposes as further described herein.

BACKGROUND OF THE INVENTION

Simulated knots and Geometric shapes including actual simulated knots on clip on, zip on, Velcro, Regular Ties but not limited to Tie, Scarf, Cravat, neck wear, bow tie and Hair / pocket / clothing / shoes / belts accessory. Also used as a container to hold items for example flowers on a jacket. Other functions may include household items for example curtains tie backs but not limited to. The knot can be referred to by any name but the function and the purpose remains the same as the simulated knot. Knots can be used on humans, animals in other objects.

Pocket square design / Pre-Fold

The pocket square is design to give the consumer many different designs options for a versatile look within the same pocket design. When folded in different directions the
pocket square has different unique or distinguish looks. This will be cost effective for the consumer for multi use and options. Some pocket square will come pre-folded so all the consumer needs to do is put it in their pocket.

Clip on tie
The clip on tie can be regular stationary length or adjustable length. The knot used on either version can be made with interchangeable tie knots or affixed tie knots.

Hook on Simulated knots
This unique design simulated know only need minimum 1 hook at the back to close and keep tie and knot in place securely. Other designs may vary for example scarfs may use side hooks to close simulated knot. (Fig 46F-461 1D / Fig 50 -5003C)

Tie Knot Accessory / Tie accents
Specific accessory will be design and manufactured for the Tie Knot.
All tie knots can be with or without accessories. Tie Knots can be decorated with Precious stones, metals, Minerals, Costume stones, crystals, metal, beads, lace, applique, stickers, machine made designs, custom or special made accessory pieces. Some Tie Knot has a special opening inside the tie knot that allows the consumer to place an accessory on the outer layer after purchase for example an earning like accessory can be place in the middle of the tie know for unique look but not limited to that location. (Fig 46D and Fig ad). Tie can also be decorated with or without same accents as Tie Knot.
Label / Loop Still (Figure 51)

The device is attached to the label, loop or any part of the tie so when part is fastened on the shirt it keeps the tie in place without shifting.

Package

Unique for the simulate knot and or Ties to have a better visual display.

Prior Art. Knots / Ties / Scarf

There are several ways to get a knot on a tie including:

a. Clip on tie. However the clip shows at the top and it is not attractive.

b. Zipper tie and knot. The tie look inexpensive and inferior.

c. Regular tie. Very classy when the knot is tied right. Very difficult to do.

d. Velcro neck band attachment

e. Bolo tie

f. Triangular shape device… to make the perfect shape however you have to know to tie a knot and it takes lots of practice

g. The Zip on, clip on, Velcro ties, regular ties but not limited to, knots are not interchangeable. Or have two or multi tone design and from the body of the tie.
The Prior Art is very complicated and not user friendly (Prior Art includes 4,748,692 and 3,999,222. New invention eliminates all the hassle to get it right the first time.) Both prior art are very complicated for the consumer.

Instant Simulated knots and Geometrical shapes (Updated Art)
Including actual knots on clip on, zip on, Velcro, Regular ties but not limited to for Tie, Scarf, Cravat, bow tie, neck wear bow tie and Hair / pocket / clothing / shoe / belt accessory
1. These knots / geometrical shapes can slide on, snap on, hook on or any other method that makes the shapes semi, fully adjustable, portable or removable.
2. Some design knots can also be attached to one side of the tie (e.g. broader side) and then the user only needs to adjust the narrow side of the tie into the accessory holder and wear it.
3. This enables the consumer to have a professional looking knot instantly
4. It is very convenient and no longer takes multiple times to get the perfect knot and tie at the desired length.
5. Adults. . . Easy to assemble, very convenient, trendy, affordable and stylish and interchangeable knots for different looks.
6. Kids / Pets / Animals. . .Currently most kids ties are a smaller version of adults ties. Interchangeable knots offers parents a chance to make the kids ties look individual by having personalized or customized images or mix and match designs and images.
7. The Zip on, clip on, Velcro, Regular ties but not limited to knots can now be interchangeable with two or multi tone designs or shapes, which is different from the rest of the tie body.

8. The knot can also be 1 or more color and the tie can be 1 or more color which can be the same color and design as the tie knot or different

9. Much more efficient and easy to put logo and other images on any part of Knot or neck wear.

10. Some designs of the simulated knots can be used on regular ties or attached independently from a tie on to a garment as a new trend. (e.g. the bathing suite example in the drawings or hair clips)

Prior Art  Towel Wrap/ Cape/ Body wrap / Bathing suits/ Clothing article
(But not limited to)
Towel wrap prior art US 6,986,163, B2 This is used for a different purpose

Updated Art  Towel Wrap/ Cape/ Body wrap / Bathing suits/ Clothing article but not limited to
Towel ...The slits make the towel transform into a fun costume or cape for the kids and adults. It more visually appealing than the big traditional knot used to tie both ends of the towel to attach around the consumer shoulder.
Swimsuits bottom ... In a new style, trend and design for the traditional bathing suit for an updated modern version with the slit used to hold the back and front together.

Swim suit wrap or body wrap. Modern version to knot a body or swim wraps with out the big knot at the sides or middle when the wrap is in use. The use of the slits makes a more appealing look for the swim wrap.

Prior Art........ Fabric diaper (can be reusable)
The prior art on diaper needs to be used with pins to keep material in place which is not always safe and can cause injury to child and adult.

Updated Art. ...Fabric diaper (can be reusable)
Technique can be used in diaper, headbands / ties, scarf, underwear, sari, but not limited to. This is a safer way to use a fabric diaper or any reusable diaper with out the use of safety pins that can become detach and cause injuries to babies or adults. The slots are used as a barrier to hold the material in place safely. It also reduces the time and cost spent looking for pins or buying pins to completed the traditional diaper set. This is a more economic and safer diaper version.

Prior Art... Pocket square design
Current pocket squares are not designed give the consumer several design options on the same pocket square.
Updated Art. ... Pocket square design / Pre-Fold

With this new design the consumer has several options how to fold the pocket square to get various combinations and different looks by color and or design. The consumer can now wear one pocket square with several outfits or ties with a different view of the pocket square design each time. This reduces the cost to buy a pocket square for each tie to match.

Some pocket square will come pre-folded so all the consumer need to do is put it in their pocket and it's that easy and it will always be perfect. Currently it takes a lot of effort to get a unique pocket sq design fold for pockets.

Prior Art. ... Adjustable clip on tie with separate tie knots

The clip on tie was adjustable but the tie knot was not separate after purchase by the consumer

Updated Art. ... Adjustable clip on tie with separate tie knots

The Tie knot is separate from the tie so the consumer can choose their style, color and design to be simple or mix and match. . New fashion trend for clip on tie.

Other option is to use the same device that is in the separate tie knot in the fixed clip on knot so the dimple and other features is more a realistic shape to the consumer. Current clip on ties consumer can visually tell the difference if it was a real tie knot or
Simulated tie knot from clip on. Our design is elegant and simple for the consumer. With
The clip on tie can be adjustable to different lengths.

Prior Art... Tie knot inner device
The device did not assist to form the dimple shape after purchase by the consumer or allow the consumer to mix and match knots after purchase. Also prior art did not have a hold in the inner layer (plastic) so the consumer can attach jewelry etc for a custom look

Updated Art... Tie knot inner device
This device allows the ties to have several shapes of dimples as desired by the consumer and it is held in place firmly.

Some Clip on ties has the option to adjust the tie length from inside the tie knot. Current design only adjusts the clip on tie by the collar only.

The inner layer can have several holes or 1 hole so the consumer has the option to dress the Tie Knot with any accessory after purchase for a custom look. For example the consumer can put a diamond earring or initials.

Prior art... Real Tie Knot on regular ties
The Tie Knot can be made into many design on real ties for example, Windsor, Trinity, Eldredge, Ediety, Han, the cross etc
Updated Art ... Simulating some real Tie Knot designs

Some of the simulated knots can be made looking like the simple designs while other will be made to look more like complex designs for example Eldredge Tie Knots but not limited to.

New Art. Braid or custom fabric for simulated knots. Technique can also be used for regular real tie knots

Tie knots will be made for different purposes including Uniform / Costume Versions but not limited to. Uniform version will have a braid to match the uniform. For example gold, silver, white but not limited to those colors. This is normally used in the Military, Pilot, Navy, Marine, Costume industry but not limited to.

The braid can be sewn on the simulated outer layer or it can be custom design into the fabric for the same effect. This design was never done before for simulated knots or Real Tie Knot.

New Art. Reversible simulated knot

If the braid is sewn on the simulated knot some design will allow the simulated knot to be reversible from having a braid to being a regular simulated knot with out the braid when the braid is turned inside.

Other designs can be made reversible also.
New Art. Hook knots on Simulated

The hook at the back of knot is a main feature, which holds the tie and tie knot in place. It can close at the back or at the sides in other designs if used on a scarf. There is no Extra feature required holding the simulated knot and tie, unless it is for decorative purposes. The hooks can be made in several shapes but function remains the same

Updated art ... Tie Knot Accessory / Tie accessory

The consumer has the choice to add any accessory to the tie knot or it can be sold with specific accessories to make the tie knot unique. We will also manufacture specific accessory for all simulated knots.

Prior art ... Label / Loop Still

Still using a tie clip, which was attached to the front of the tie and the shirt, held the Tie. This can be very expensive for the consumer to purchase separately.

Other companies have a smaller version of the Tie clip temporarily attach to the tie and it's included in the price. However with this option the consumer has to use an inexpensive version of a tie clip and some are not very fashionable.

Other companies use a tie anchor. This option is very bulky for the consumer and not very flattering to the back of the tie.
This product attaches to the back of the tie and then on the shirt. The tie stays in place and the device is not visible from the front.

It can also adjust a few inches up or down in case it is near a button. The consumer has the security of having the tie stay in place with out any extra accessory showing in front or extra cost to buy a tiepin, which is visible and can only be used most times in the middle of the tie.

Our label/loop still can be placed at the bottom of the tie to maximize the effectiveness of the still but not limited to that location on the design.

Prior Art. Package

There are several versions of Tie boxes

Updated Art ... Package

Our design is unique because it displays the Ties, Knots and or other accessories through a rear window also. This gives the consumer an option to view product from several angels. This front and rear display is not limited to Tie and Knots.

SUMMARY OF INVENTION

Instant Simulated knots and Geometrical shapes
This invention is for any geometrical shapes or knots shape semi or full detachable or permanently affixed from a neck wear assembly commonly use as in ties, scarf, cravats, bow ties but not limited to. This can be used to replicate the look of knots or other geometrical shapes.

Inner device can also used in Clip on tie so it forms the simulated knot shape better for the end product. It can also give the consumer the option to fix dimple how they prefer to wear their tie and some of the clip on tie knots can be interchangeable.

Not all the simulated knots will have a plastic device inside. The device inside can be made of any material. Some knots will have a stiffener material to hold the shape and can be used alone or in combination with any other device inside the knot.

Convenient
This invention is the most convenient for the consumer who wants to be on the go and look professional and stylish without sacrificing the quality and time. The shapes make it appear as if the consumer spent a lot of time to have the perfect tie knot shape. It also gives the feel of a regular neckwear tie, scarf or cravat, bow tie with out the hassle.

Lots of consumer before could not help some one to tie a tie without standing behind the person to demonstrate. These shapes has help solve this issue where anyone can put the knot shapes on with out help other than reading or viewing the instructions once.
It is also beneficial to the disable consumer who may have difficulty to knot the tie by him or herself. These options give the consumer the chance to be independent.

Consumer can also mix and match these knots with their own selection of ties for recycle and get a new look on a previous worn tie, which is cost effective.

Adjustable
Consumer can have tie at different lengths with out having to redo the tie. This is helpful when the consumer does not want the tie all the way to the top of the shirt collar certain times during the day/night.
It also helps the consumer to have the perfect custom fit tie length, which is adjustable with their height and size. It becomes a custom tie without being a special made custom tie.

Automatic Dimple
With the apparatus inside the Tie Knot it allows the tie to form a simple dimple automatically when closed and fasten to the necktie. This makes the finish product (Tie and Tie Knot) look
Elegant and better than the current versions of clip on tie. It gives it a continuous and unique finish where the tie and tie knot meets.
Interchangeable knots colors / New Trend  (General / Regular ties)

The knots come in different colors. Because they can be separated from the tie it allows the consumer to mix and match tie and knots. This can start a new trend where the consumer can have a tie one-color and knot shape another color. This will create the perfect two-tone or multi tone tie the first time without any hassle. Both male and female can use designs.

Other design knots can be used independently from the tie and attach to other article of clothing as a new fashion trend. The knots can be snap on, clip on, slide on or attach anyway possible to the article it is being placed on.

Some designs ties can be adjustable when attach to the simulated knot.

Interchangeable knots colors / New Trend

(Zip ties, clip on ties, neck ties but not limited to)

2 Tone or multi tone simulated or actual Interchangeable knot designs or shapes can also be applied to other ties design e.g. zip ties, clip on ties, Velcro necktie but not limited.

Choices

Knots shapes will be packaged differently. Some package will contain a few knot style selections in the same fabric as the tie. This allows the consumer to determine if to use a formal knot shape or casual knot shape.

Other packages will contain different color knot shapes by itself.
Some packages may contain tie, tie knots and Pocket Square.

There are several possible combinations for the package content.

This allows the consumer to mix and match ties and knots in any combination.

Luxury / Successful image

Bring luxury, success, and sophisticated, professional or casual image to the consumer with each tie knot design at an affordable price.

Personalized / Customized

The knots can be personalized and customized with any image or logo.

Custom Tie Length

Since the Tie will not have a knot on it from the same tie, a new customized tie line will be made to accommodate the new length of the tie needed for the simulated shapes.

Updated Art Towel Wrap/ Cape/ Body wrap / Bathing suits/ Clothing article and diaper

There was a need to give the consumer a different and better option to utilize the articles they commonly use in a more economic and visual appealing way.

Diapers are now safer to use with out pins. Pins could cause accidents and injury to consumer when not used properly.
Pocket square design

This concept was developed to give the consumer the option to use one pocket square for several looks and design to reduce the cost of purchasing several pocket square for the same effect with different outfits or neck wear.

Adjustable clip on tie with interchangeable tie knots

Clip on ties were not interchangeable before and this gives the customer the freedom to mix and match design knots, as they prefer.

Tie Knot Accessory

There is no specific Knot Accessory made because the knot was tied before and it would be difficult to add an accessory. Since this is a simulated knot the accessory can now be attached to the knot directly. We will make some customized and personalized accessories for the tie knot. Other accessories will be generic for example but not limited to lace, applique, multi layer fabric, stones, metal, and stickers.

Label / Loop Still

This was invented to be more elegant, and functional for the consumer and eliminate the expensive cost for a Tie Clip or Anchor Tie design which is bulky.
BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1A
Simulated knots and Geometric shapes combination Option 1
101A Front of the accessory illustrating the shape of a tie, scarf, cravat knot. The shape can vary depending on which style knot or geometric shape is used.

Figure 1B
102B Back of the accessory to house and secure the tie, scarf, cravat fabric

Figure 1C
103C Combination of the Back and front pieces together for the accessory holder. Transparent for illustration purposes.

Figure 2A
Simulated knots and Geometric shapes combination Option 2
201A Refer to Figure 1A, 101A

Figure 2B
202B Dimple indent for the tie shape.

(Prior art … Fingers were used to make the Dimple on the tie)
203B Refer to Figure 1B, 102B

Figure 2C

204C Expose dimple after 2A and 2B are combined

205C Combination of Figure 2A and 2B

Figure 3A

Simulated knots and Geometric shapes combination Option 3

301A Refer to Figure 1A, 101A

Figure 3B

302B Dimple indent as an additional layer for the accessory

303B Side bars to attach to the rest of the accessory holder as 2\textsuperscript{nd} layer.

Figure 3C

304C Refer to figure 1B, 102B

Figure 3D

305D Combination of layers from 3A, 3B and 3C

Figure 4A
Simulated knots and Geometric shapes combination Option 4

401 A Refer to Figure 1A, 101A with additional feature of extended sides

402A Closure attachment for the back

403A Extended sides with closure attachment.

Figure 4B

404B Second layer, refer to Figure 1B, 102B

Figure 4C

405C Combination of Figure 4A and 4B. The back is fully enclosed.

Figure 5A

Simulated knots and Geometric shapes combination (suitable for scarf & cravats etc)

501 A Refer to Figure 1A, 101A however the shape is different. Shape can be several geometrical shapes.

Figure 5B

502B Refer to Figure 1B, 102B Similar but straps are in the opposite direction to secure fabric.

Figure 6A
Simulated knots and Geometric shapes combination Option 6

601 A Refer to Fig 4 Similar but different shape and vertical shape with design

602A Extended sides

603A Extended sides with closure

Figure 6B

604B Refer to Figure 5B, 502B

Figure 6C

605C Combination of Figure 6A & 6B

606C back fully enclosed.

Different combination of back to insert fabric

Figure 7

701 Left channel to insert fabric

702 Right Channel to insert fabric

Figure 8

801 Left channel to insert fabric

802 Right Channel to insert fabric with additional loops for make fabric sturdy
Figure 9
901 Left loop insert channel
902 Right loop insert channel

Scarf Sample. Simulated knots and Geometric shapes

Figure 10
1001 Refer to figure 5A & 5B also 6A/6B/6C. Combination to make scarf
1002 Edge of fabric after scarf is completed
1003 Scarf

Tie Sample. ... Simulated knots and Geometric shapes

Figure 11A
1101A Narrow end of Tie
1102A Tie with adjustable knot / geometric shape
1103A Broad side of tie

Figure 11B
1104B Combination of back and front of tie with tie loop around
1105B Bottom of narrow end tie

Figure 11C
1106C Refer to Figure 1A, 1102A
1107C Refer to Figure 11A, 1101A
1108C Refer to figure 11A 11103A

Figure 11D
1109D Combination of Figure 11A, 11B, 11C
1110D Refer o Figure 11a 1103A

Simulated knots and Geometric shapes combination as single unit

Figure 12A
1201A Front of simulated knot or geometric shape
1202A Side of simulated knot or geometric shape

Figure 12B
1203B the strap for the tie narrow end to go through in a weave to ensure the tie stays in place. This strap can be made as part of figure 12A as one piece or made separately and attach to Fig 12A to make 1 piece

Figure 12C
1204C Back view combination of Fig 12A and Fig 12B
Figure 12D
1205D Aerial view of Fig 12A and 12B showing the straps
1206D Front view of geometric shape

Figure 13A
1301 Bar to hold broader side of tie in place. It can be fixed or adjustable or both sides
of the tie can be attached behind the bar

Figure 13B
1302 Refer to Fig 1/1 02
1303 Adjustable bar to hold tie in fixed position to further prevent slippage

Figure 13C
1304 Combination of figure 13A & 13B. However any of these parts can be combined
with other parts to make a unique combination.

Figure 14
1401 Tie with stiffening to help guide the end through the bars easily when adjusting
the tie to prevent slippage. The stiffening flexible material can be visible or sewn in to
the tie.

Figure 15
1501 -Left side of tie holder to keep the tie at the side of the simulated knot
1502 Refer to Fig 13A/1301

1503 Right side of tie holder to keep the tie at the side of the simulated knot

Wrap / Cape

Figure 16

1601 Piece of material e.g. towel, sheet, blanket, any size wrap, scarf but not limited to

1602 Slits in material at the edge. When one end is manually weaved in and out of the slit slots it becomes a knot enclosure. Slits slots can be any number on any part of the material and not limited to illustration and can be on any design of fabric listed in 1601 but not limited to. The angle and position of slit slots will depend on the effect the manufacturer wants the consumer to have for that particular piece of fabric.

Figure 17

1701 Illustrating the material will be folded in a triangular shape

1702 Refer to Fig 16, 1602

Figure 18 (Front View)

1801 Bigger triangular shape after fold

1802 Smaller triangular shape after fold
1803 Refer to Fig 16, 1602

Figure 19 (Back View)
1901 Refer to Fig 18, 1801
1902 Refer to Fig 18, 1802

Figure 20 (Front Wrap view on person on waist)
2001 Right side of Image with fold
2002 Bottom of fold in a point angle
2003 Excess fabric after going through the slit slot to hold two ends together
2004-Left side of image with fold

Figure 21 (Side Wrap view on person on waist)
2101 Refer to Fig 20, 2001 but fold is angle to the side
2102 Refer to Fig 20, 2002 but this is a straight bottom instead.
2103 Refer to Fig 20, 2003 also have option to attach wrap jewelry, into slit as additional
design or support, or Velcro or stopper at end of fabric edge

Figure 22
2201 Refer to Fig 16, 1601
2202 Refer to Fig 16, 1602 but this design has 2 slit slots for this illustration and is
further from the edge than reference figure to create double hang for figure 23, 2302 and 2305

25
Figure 23 (Body wrap or long skirt wrap illustration but not limited to)

2301 Refer to Fig 20, 2001

2302 Refer to Fig 20, 2003 but this has 2 ends instead of 1

2303 Refer to Fig 20, 2002

2304 Refer to Fig 18, 1802

2305 Refer to 2302

2306 Refer to Fig 20, 2004

Figure 24A (Back view of wrap)

2401A Refer to Fig 19, 1901 shape still pointed but not as triangular as the reference

2402A Refer to Fig 18 but a slightly different shape because of how the fabric was folded.

2403A Refer to Fig 19, 1902

Figure 24B (Front view of wrap)

2401B Refer to Fig 20, 2003

Figure 25 (Front view of Wrap / Cape)

2501 Refer to Fig 23, 2301

2502 Refer to Fig 20, 2002
2503 Long angle wrap/cape

2504 Refer to Fig 23, 2302 & 2305

2505 Refer to Fig 20, 2004

Figure 26 (Long wrap//towel/sheet/blanket but not limited to)

2601 Length of material

2602 Refer to Fig 16, 1601

2603 Refer to Fig 16, 1602 but this has 2 slits/slots

Figure 27 (Back View)

2701 Refer to Fig 26, 2602

2702 Top of fabric folded in an angle

Figure 28 (Front View)

2801 Refer to Fig 23 but this is the longer version

Figure 29 (Long Cape/ Wrap view on person)

2901 Refer to Fig 25, 2501

2902 Refer to Fig 25, 2502 but straight version

2903 Refer to Fig 25, 2504 but single loose end

2904 Refer to Fig 25, 2505
Fabric Diaper — may be reusable after washing. (Drawing is for illustration only and technique can be used in diaper, head bands / ties, scarf, underwear, sari, but not limited to)

Figure 30
3001 Fabric to make diaper
3002 Right Slit Slot
3003-Left Slit Slot
3004 Center Slit slot

Figure 31
3101 Right Folding edge to make triangular shape
3102 Refer to Fig 30, 3002
3103 Left Folding edge to make triangular shape
3104 Refer to Fig 30, 3001

Figure 32
3201 Refer to Fig 30, 3001
3202 Refer to Fig 30, 3002
3203 Refer to Fig 30, 3003
3204 Refer to Fig 31, 3101 and 3103 edge after it is folded
3205 Refer to Fig 30, 3004
Figure 33

3301 Right folded edge for the top of Diaper
3302 Right Narrow edge after going through the slit slot
3303 Base of diaper bottom between leg slot and folded edge (3301 & 3305)
3304 Left Narrow edge after going through the slit slot
3305 Left folded edge for the top of Diaper
3306 Right Diaper leg slot
3307 Left Diaper leg slot
3308 Refer to Fig 30, 3004 both right and left edges go through the slit

Figure 34A Illustration of swim wear top but can be any kind of clothing
3401A Slits to connect the left and right side. Slits can vary in number on all designs
(Updated art)
3402A End of fabric to thread through the slits to connect each side of the fabric as 1 unit

Figure 34B
3403B Illustration of left and right side fabric connected

Figure 34C
3404C Back of swim wear top but can be any geometric design.
3405C Straps can be any design or shape either connected or not connected.
Figure 35
3501 A Simulated knot

Figure 35B
3502B Clip on or fastener apparatus for knot. This design is for illustration only. The knot can be made to connect to garments several ways including snap on but not limited to. (Updated art for independent knot with out being attached to a tie)
3503B Back of simulated knot design

Figure 36
3601 Simulated knots
3602 Mini Tie (lengths can vary and some designs are adjustable).

Figure 37A
3701 A Simulated knot and or bottom attachment design illustration as variety choice

Figure 37B
3702B Simulated knot and or bottom attachment design illustration as variety choice

Figure 37C
3703C Simulated knot and or bottom attachment design illustration as variety choice

Figure 38
3801 Refer to Fig 35A Simulate knot on swim wear top

Figure 39

3901 Refer to Fig 35A Simulate knot on swim wear top

Figure 40

4001 Refer to Fig 36 Simulate knot and mini tie on swim wear top

Figure 41

4101 Refer to Fig 37D Simulate knot and mini tie on swim wear top

Figure 42

4201 Left Front slits to connect back and front of the swim wear. This is for illustration only slits can be any part of the swim wears and number of slits can vary or any clothing article but not limited to

4202 Front of swim wear

4203 Refer to 4201 Right side

Figure 43

4301 Left side strap to go through slit to connect the front and back of swim wear

4302 Back of swim wear
4303 Right side strap to go through slit to connect the front and back of swimwear

Figure 44
4401 Left connected strap in swimwear
4402 Front of swimwear
4403 Right connected strap in swimwear

Figure 45
4501 Refer to Fig 43, 4301
4502 Refer to Fig 42, 4201
4503 Refer to Fig 42, 4203
4504 Refer to Fig 43, 4303

Figure 46A. Inner layer / mold
(Can be several shapes and sizes and material, this is for illustration only)
4601A Side Curve to form the shape of the mold and also secure the Tie in the simulated knot
4602A Bottom curve same purpose as figure 4601A
4603A Top Curve to form the shape of the simulated design at the top
Figure 46B, back view of figure 46A

4604B Hallow inside of simulated knot mold facing backwards

4605B Refer to Fig 46A/ 4602A

4606B Refer to Fig 46A/ 4601 A

4607B Side of simulated knot shape

4608B Refer to Fig 46A/ 4603A

Figure 46C. . . Back view

4609C Outer view of 461 0C

461 0C Top view, simulated knot mold facing forward Refer to Fig 46B/ 4604B

Figure 46D

461 1D the mold design can have one or more holes. This allows the consumer to place an accessory in the simulated knot after purchase easily for decorative purposes. Our company will manufacture accessory.

461 2D Top view of front of simulated knot.

Figure 46E

461 3E Refer to Fig 46D /461 2D different angle

Figure 46F

461 4F Refer to Fig 46A, illustration purpose only, shows a sample when completed in one style
Figure 46G

4615G Refer to fig 46A. Illustration purpose only, shows a sample when completed in one style

Figure 46H

4616H Hook attached to the back of simulated knot to keep secure. Hook can be placed in different angles depending on the use of the simulated knot. Location may differ for scarves.

4617H Refer to 46B, illustration purpose only, shows a sample when completed in one style

Distinguish Packaging

Figure 47A.

4701A the package can be made of any material or shape. The main feature is to display every item in the box from the front.

Figure 47B Multi Unit box

4702B the package shows the Tie from the back window

4703B the package shows the simulated knot from the back window.

Some design may including other back windows to show additional product in the box from behind.
Figure 48A Single unit box
4801 A Front of box with showing content in window

Figure 48B
4802B back of Fig 48A showing content in window

Figure 49A
4901 A Illustration feature single simulate knot display but the same design can be replicated for multiple simulated knots in a box. The box can be any shape while the function remains to show content from front and back windows

Figure 49B
4902B Illustration showing content in box, front view refer to Fig 49A

Figure 49C
4903C Rear view of Illustration showing content in box

Figure 50A ...Braid on simulated knot
5001 A Illustration shows one design of braid on simulated knot. The design can vary with multiple stripes or similar design made into custom fabric for same effect.
5002B Illustration showing simulated knot can have several types of covering including applique but not limited to and can be used for special occasions.

Figure 50C
5003C shows the simulated knot can have an accessory that goes through the simulated knot. This is possible through the hole in the mold or other design will have fabric stiffer.

5004C Simulated knot can be totally separate from the tie in some examples.
5005C Tie is separate from simulated knot in some examples.

Hook For simulated knots
(Hook can be any shape or design but the function remains the same to secure Tie and Knot.)

Figure 51A,
5101A Holes to attache hook to fabric, refer to Fig 46H
5102A Hook to connect the 2 pieces together
5103A Surface of the hook

Figure 51B
5104B Hook shape to attach to other part to secure the 2 pieces together.
5105B Hook design

Figure 51C
5106C Hook design with out holes to attach to fabric.

Figure 51D

5107D Legs to attach hook into fabric to keep it secure instead of sewing. (Legs prior art)

5108D Refer to figure 51B -51 04B

5109D Refer to Fig 51D 5107D

Loop Clip can be used on Tie or other accessories for different function

Figure 52A Front

5201A Top of loop clip

Figure 52B back

5202B 1st Cavity to pull through fabric loop

5203B 2nd Cavity to pull through fabric loop

Figure 52C

5204C Side view of Loop Clip

Figure 52D

Finished Loop clip for illustration purposes only. The design can be any geometric shape

Figure 52E
5206E Loop Clip at the back

5207E Illustration showing loop clip attached to loop fabric, which will attach to tie

5208E Bar between the 2 cavities on the Loop Clip to secure fabric

5209E refer to Fig 52E - 5206E

Figure 52F

5210F Loop clip attached to Loop fabric

5211F Loop fabric attached to Tie.

Pocket Square

Figure 53A for illustration purposes only this drawing shows 3 patterns on the pocket square. However the pocket square can have multiple designs and not limited to drawing

5301A 1st design pattern

5302A 2nd design pattern

5303A 3rd design pattern

Figure 53B

5304B 1st pattern show when folded in a certain way for the pocket. Refer to 53A /

5301A

Figure 53C
5305C 2nd pattern show when folded in a certain way for the pocket. Refer to figure53A/
5302A

Figure 53D

5306D 3rd the pattern show when folded in a certain way for pocket. Refer to figure53A/
5303A

Figure 53E

5307E Refer to Figure 53/ 5301 A

Figure 53F

5308F Refer to Figure 53/ 5302A

Figure 53G

5309G Refer to Figure 53/ 5303A

Figure 53H

531 OH Refer to Figure 53 when view vertical

DETAILED DESCRIPTION

Knots / Ties/ Scarf/ Bow Tie/ Loop Slider / Knot hook / pocket square
All designs for the simulated knots and Geometric shapes can be interchangeable or made in a different housing other than what is illustrated. The drawings are for illustration purposes only and not the only way the accessory device can be made. It is to give a prospective by drawing what the shape may look like. The Knots can be in any geometrical shape. The strap design retains tie in a specified position there can also be several straps across or none. The knot housing can be made in different depending on the simulated knot shape. The inner layer of tie knot can be made with different shapes mold. Some design can also contain a fabric stiffener.

Other designs includes where the simulated knots or actual knots are placed on the tie and can be closed securely without requiring the straps. Some designs are secure with a hook, which can be placed at several locations on the knot depending on the use. Not all designs are illustrated in drawings.

This patent also covers all ties, neck wear but not limited to that can use interchangeable knots or simulated knots and or geometric shapes. Also personalized and customized images on the knot or simulated knot removable or permanent.

The cover for the simulated knots can be made as a cover to compliment the design of the housing. Another method will be to glue on fabric to the housing. There are several methods to achieve the finish look to the simulated knots.
The simulated knots and geometric shapes can be used for other items including window treatment etc. Tie knots can be attached or simulated as an image on the swim suits or article or clothing.

The package for the tie can be sold in sets of multiple knots and tie to help consumer reduce cost by buying a package deal. The knots can also be sold individually so consumer can mix and match colors.

This invention is very modern and reduces time the consumer takes to make the perfect tie making each tie perfect.

The tie can be shorter than the regular tie because the knot is not made with the tie, which would require less material for the tie. The tie can also be made with or without a flexible stiffing in order to guide the tie end through the accessory bar easily.

Loop slider is used to secure the tie and shirt together but not limited to that function only.

The knot hook is used to secure the two ends of the knots at the back to secure what may be inside including tie, flowers etc.

Pocket Square design is used to give consumer several options to reduce cost with a single item.
Towel Wrap/ Cape/ Body wrap / Bathing suits/ Clothing article and diaper

The different articles mentioned above can have 1 or multiple slits but not limited to the slits shown in the illustration to hold the design and function of the article together.

Material for Simulated knots, Geometric shapes, Ties, swim suits, scarf, diaper, clothing, knot accessories / pocket square/ tie Knot accessory/ Loop slider

This invention is not limited to any specific material however it can be plastic, metal, stiffening fabric but not limited to. The method of making the simulated shapes will determine which material is used to guarantee best results.

1. The tie, scarf, neck wear knots, pocket square will be the same color fabric as the tie or can also be different colors, images, logos, personalized and customized.

2. The back straps can be made of an elastic type material, or regular fabric or plastic, metal, stiffening fabric, ribbon but not limited to.

3. The material for the new adjusted length ties can be standard, luxury or custom made.

4. Material for the tie, scarf, Pocket Square can be made of any fabric including silk, polyester but not limited to.

5. Material for stiffing at the end of the narrow side of the tie can be made of any flexible material that can be used as a guide when putting the tie through the knot bars at the back. This can be sewn in the tie and not be visible but not limited to that specific attachment style.
6. Material for Swim suits, diaper or any application where this design can be used can be any suitable fabric and material desired by the consumer.

7. Tie knot accessories can be made with precious stones, costume accessories, appliques but not limited to

8. Loop slider and knot hook can be made with metal or any durable material that may be flexible to hold the tie and shirt secure.

In so far as the description above and the accompanying drawings disclose any additional subject matter that is not within the scope of the limited claims below, the inventions are not dedicated to the public and the right to file one or more applications to claim such additional inventions is reserved.

While the invention has been described in connection with a preferred embodiment, it is not intended to limit the scope of the invention to the particular form set forth, but on the contrary, it is intended to cover such alternatives, modifications, and equivalents as may be included within the spirit and scope of the invention as defined by the claims.
Claims

What is claimed is:

1. An instant simulated tie knot apparatus, said apparatus comprising:
   A solid piece fabricated from any solid material,
   Said solid piece having means to attach to clothing,
   Said solid piece having a unique geometry to allow the attachment of other clothing to it utilizing said unique geometry as the attachment means for said other clothing to said solid piece,
   Said solid piece's unique geometry allowing said attached other clothing to be easily adjusted into an infinite number of artful geometric shapes,
   Said artful geometric shapes being capable of removal from the solid piece without disturbing it's user developed unique artful shape thereby allowing said unique artful shape's reattachment to said solid piece at any later time and to a an infinite number of different pieces of clothing, and for an infinite number of repeated uses.

2. The apparatus of claim 1, said apparatus being used for a human's neckties.

3. The apparatus of claim, said apparatus being used for a human's bow ties.

4. The apparatus of claim 1, said apparatus being used for a human's cravat.

5. The apparatus of claim 1, said apparatus being used to affix a cape to a human.
6. The apparatus of claim 1, said apparatus being used to secure a bath
towel to a human.

7. The apparatus of claim 1, said apparatus being used to secure a bathing
suit to a human.

8. The apparatus of claim 1 further having removable unique user defined
artwork attached to said solid piece.

9. The apparatus of claim 1, further having unique user selected removable
jewelry attached to said solid piece.

10. A method for assembling an instant simulated tie knot, said method
comprising:
   Fabricating a solid piece from any solid material,
   Said solid piece having means to attach to clothing,
   Said solid piece having a unique geometry to allow the attachment of
   other clothing to it utilizing said unique geometry as the attachment means
   for said other clothing to said solid piece,
   Said solid piece's unique geometry allowing said attached other clothing to
   be easily adjusted into an infinite number of artful geometric shapes,
   Said artful geometric shapes being capable of removal from the solid
   piece without disturbing it's user developed unique artful shape thereby
   allowing said unique artful shape's reattachment to said solid piece at any
   later time and to a an infinite number of different pieces of clothing, and for
   an infinite number of repeated uses.

11. The method of claim 1, said method being used for a human's neckties.
12. The method of claim, said method being used for a human's bow ties.
13. The method of claim 1, said method being used for a human's cravat.
14. The method of claim 1, said method being used to affix a cape to a human.
15. The method of claim 1, said method being used to secure a bath towel to a human.
16. The method of claim 1, said method being used to secure a bathing suit to a human.
17. The method of claim 1 further having removable unique user defined artwork attached to said solid piece.
18. The method of claim 1, further having unique user selected removable jewelry attached to said solid piece.
INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2013/056692

A. CLASSIFICATION OF SUBJECT MATTER

IPCG(8) - A41 D 25/02 (2014.01)
USPC - 2/156

According to International Patent Classification (IPC) or to both national classification and IPC.

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPCG(8) - A41D 25/00, 25/02, 25/16, 27/08 (2014.01)
USPC - 2/144, 145, 156

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
CPC - A41D 25/00, 25/02, 25/022 (2014.01)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PatBase, Google Patents, Google

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category*</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
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</table>

Further documents are listed in the continuation of Box C.

* Special categories of cited documents:
A" document defining the general state of the art which is not considered to be of particular relevance
E" earlier application or patent but published on or after the international filing date
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Name and mailing address of the ISA/US
Mail Stop PCT, Attn: ISA/US, Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450
Facsimile No. 571-273-3201

Authorized officer: Blaine R. Copenheaver
PCT Help Desk: 571-272-4300
PCT OSP: 571-272-7774

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