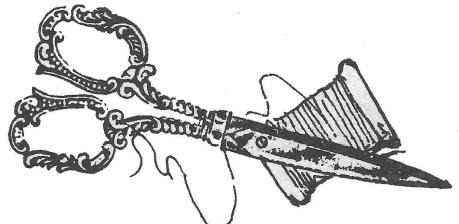


The Thoughtful Consumers'

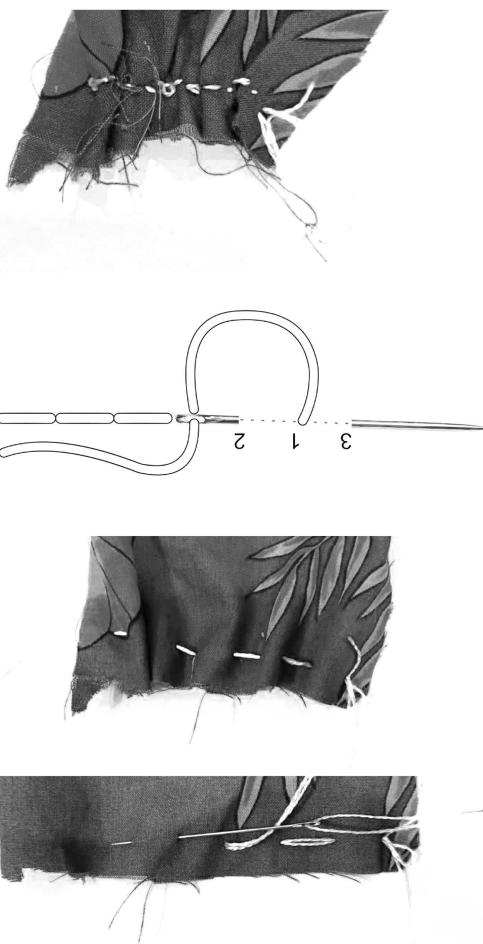
Guide to Simple Mending



Mending Techniques

Material Knowledge

Textile Care



1. To achieve the previous zip complements it necessary to have the seam allowance. 2. Using a 5mm machine stitch, sew a seam (to be unpicked later) where the zip will be placed, right sides together with at least 3. With the zip right side down, pin the tape to the seam allowance on the inside. 4. Using a zip foot or a standard foot with a stitch adjusted to the far left, sew a 2.2 mm seam securing the zip tape to the right side of seam allowance.

1. Remove the previous zip completely if Unzipping a Zipper

suid -

- new zip (if needed)

- SCISSORS

- sewing machine and zip foot

- single strand sewing thread

Equipment Required:

diogenes, the man

*Breaken zips new closure
feature for*

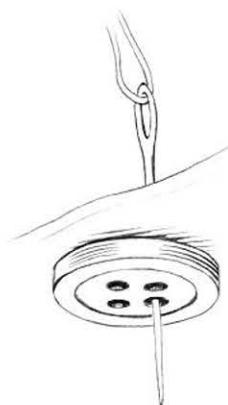
•of [eəpɪ]

Replacing Zips

Mass consumerism is leading us towards mass extinction.

Linear consumption ideology of ~buy -> use -> throw away~ has violent material repercussions and must be rethought urgently on a massive scale. Linear chains of production rely on fracking the earth for 'resources' whose processes destroy delicate ecosystems on which we depend for carbon cycling, oxygen, and stable weather patterns. These 'resources' will be used briefly, then thrown into massive landfills who also displace and destroy ecosystems, release microplastics into our soils and water, and greenhouse gases into our atmosphere through chemical decomposition and burning.

This system also relies on violent dehumanization of factory workers, and colonialist practices in waste exportation that work to maintain systemic ignorance in privileged consumer countries. This wealthy consumer's insecurity is vital to corporate interest, fed by advertising



Contents:

Mending Techniques

- Equipment Key
- Fixing Seams
- Hemming
- Gathering
- Darning Holes
- Sashiko
- Under Patching
- Patching Holes
- Reverse Applique
- Patchwork/Quilting
- Sewing Buttons
- Replacing Zips

Material Knowledge

- Hide
- Natural Fibrous
- Synthetic Fibrous
- Weave
- Knit
- Felt
- Bonded
- Miscellaneous

Textile Care

- Tags
- Laundry Symbol Key

side.

- Lay the button overtop where you want the button to go, align edges of the garment to ensure it is placed correctly and make a mark through the buttonhole.
- Thread a needle and double knot the end.
- Hold the button overtop the mark, pierce the garment from the back and sew through 2 holes of the button.
- Repeat approximately 10 times or until the button is secure.
- Tie a knot in the thread on the under-

- Button Stitch
 - chalk or pen
 - button (if needed)
 - scissors
 - single strand sewing thread
 - hand sewing needle

Ideal for: Loose buttons, broken buttons, ripped out studs.

Sewing Buttons

Equipment Required:

- chalk or pen
- button (if needed)
- scissors
- single strand sewing thread
- hand sewing needle

propaganda aiming to maintain hegemonic ideal standards in beauty, class, race and gender. Identity becomes interlinked with consumerism, driving commodity fetishism and trend chasing cultures, at the expense of the rest of the world on which they are unknowingly, and unchangeably dependent.

Overconsumption has violent environmental, socio-economic, and interpersonal repercussions, and the fashion/textile industry is only one aspect of a much larger system. This industry does have sustainable intentions; in providing everyone with basic clothing, nor in protecting our precious and damaged environment by producing this clothing through circular means.

Failed by industry, systems, and corporations, this booklet aims to give every clothing-wearing individual the tools of basic mending, and thus the power to limit their individual consumption in textile industry. Cash-driven corporations rely on our wallets, and we have the power to starve them.



The fibers are then spun and manufactured into textile by knitting, weaving, or felt-ing. Common natural fibers include cotton, hemp, and wool.

Planted fibers are grown in synthetic monoculture fields that require intensive human maintenance due to their inability to support biodiversity ecosystems. Once harvested, the fibers are chemically processed, often resulting in chemical residue run-off into local water and soils.

Natural fibers require land to be cleared for farming, consuming massive amounts of water to maintain dependency on animal/plant type and the farm's location.

Natural Fibrous

By mending, we also gain the power to denounce quick consumption culture at its root, by growing meaningful, long-lasting relationships with the material objects in our life. By listening to our garments, investing time and energy to repair and care for them, meditating with them through hand stitching, and embedding them with love, we create emotional longevity, and powerful sentimentality - an adversary to wastefulness. This is our second skin, by mending, we learn to see it as part of us.

We believe the mobilization of mending knowledge is essential, and should be accessible and free to everyone, hence not charging for this booklet. A free PDF can be found via the QR code on the back of this booklet. Please share, add to, photocopy, translate, plagiarize, republish this booklet.

Keep mending,
- the thoughtful consumer

bulldog clips are recommended.

Pins are not ideal for hides, instead a light
glue i.e. a glue stick, or small clamps or

Hides do not fray and thus patches should
not have hems to reduce bulk. The edges of
a patch can be waxed instead if desired.

machines.

If using a machine, leather needles are an
excellent option. Leather thread for ma-
chines can also be purchased. Very thick
hides should not be sewn on domestic
machines.

When hand sewing very thick hides,
piercing the holes using an awl prior to
stitching is recommended. For very thick
hides, thick waxed thread is better, and
even a pair of pliers to help pull the needle
through if necessary.

Hide can be hard to pierce, thus strong,
sharp needles are better when hand
sewing.

Textile Specific Tips:

Sashiko

Ideal for:

Weave fabrics, holes of all size, rips, decorative mending.

Equipment Required:

- stranded embroidery thread
- hand sewing needle with larger eye
- scissors
- fabric of same weight for patching
- pins and/or very light glue
- chalk (optional)
- ruler (optional)

Sashiko & Running Stitch

1. From a fabric of the same weight, cut a patch large enough to cover the hole area with at least 1 inch excess around the edge.
2. Place the patch underneath the hole and secure by pinning, tacking or glue in place to hold whilst stitching.
3. Traditional Sashiko uses uniform stitches in repeating geometric patterns. Use chalk/ruler to trace the desired pattern overtop the hole.

Miscellaneous
Bonded
Felt
Knit
Weave
Synthetic Fibrous
Natural Fibrous
Hide

Material Knowledge

Mending Techniques

Equipment Key

Fixing Seams

Hemming

Sashiko

Darning Holes

Under Patching

Patching Holes

Reverse Applique

Gathering

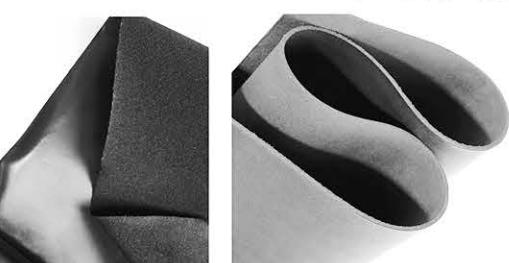
Patchwork/Quilting

Sewing Buttons

Replacing Zips

Patching in a similar weight hide or thick weave fabric (i.e. denim) for small and large holes or rips.

Ladder stitch for split seams in light weight hides, heavier hides may not have stitch seam along overlapping panels may internal seams, and thus a visible running weight hides, heavier hides may not have be better.



Natural Hide Synthetic Hide

Synthetic hides such as 'vegan leather' are not resilient to wear, non-biodegradable, and composed of plastic composites which require land fracking to produce. Thus, synthetic hides are more damage than sourcing cause much more damage than sourcing synthetic hides are not sustainable, and secondhand hides.

Equipment Key:

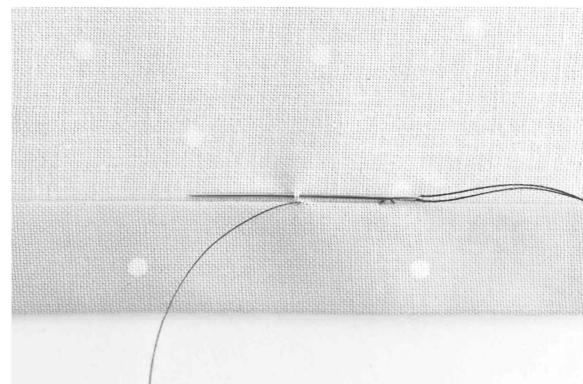
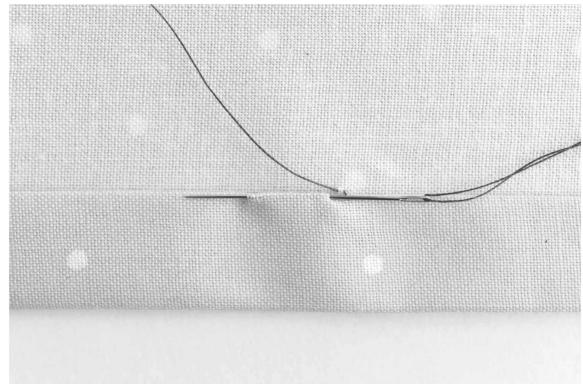
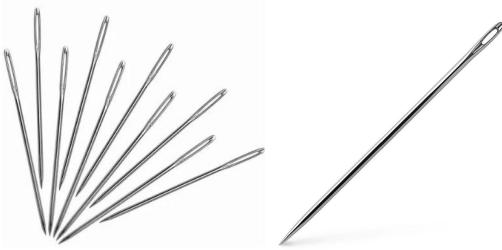
Single Strand Thread



Stranded Embroidery Thread



Large Eye vs Small Eye Needles



Due to their longevity, secondhand hides are widely available, and the most ethical way of sourcing this material, as their purchase does not encourage industrialized animal slaughter. As mentioned previously, we have a responsibility to use these hides, out of respect to the lives that were taken to produce them, including controversial hides such as furs.

Due to their longevity, secondhand hides are widely available, and the most ethical way of sourcing this material, as their purchase does not encourage industrialized animal slaughter. As mentioned previously, we have a responsibility to use these hides, out of respect to the lives that were taken to produce them, including controversial hides such as furs.

More major ethical issues occur in the tanning we produce through mindfulness of animals that are not bred for human consumption, for example furs and snake skins. Many rare animals whose hide/horns/tusks/shells/etc. have social-ly constructed status due to their scarcity, have been poached near extinction due to this cruel, wealth driven practice. Examples include lemurs, tigers, rhinoceros, turtles, elephants, etc.

Hide refers to any animal skin that has been processed extensively for textile use. Hide is considered by some a sustainable product due to the waste it can be sourced as a byproduct of the meat industry, and thus helps to reduce waste as it can be sourced from animals slaughtered for the meat industry. This supposed sustainability counter the degrading violence of the meat consumption. This does not refer to the traditional hunting practices, in which every part of the animal will be used out of respect for the life taken.

The mechanization of the meat industry creates human responsibility to use every unitionally produced. Human industry or other, resource industry internationally or be used as efficiently as possible. Like any however, the hide of these animals should be respectful to the animals it processes, and no part of the industry can be considered no part of the industry huntin

g practices mimic mindfullness practices, can never mimic mindfull hunting practices, and no part of the industry huntin

g creates human responsibility to use every unitionally produced. Human industry or other, resource industry internationally or be used as efficiently as possible. Like any however, the hide of these animals should be respectful to the animals it processes, and no part of the industry can be considered no part of the industry huntin

Hide

Hemming

Ideal for:

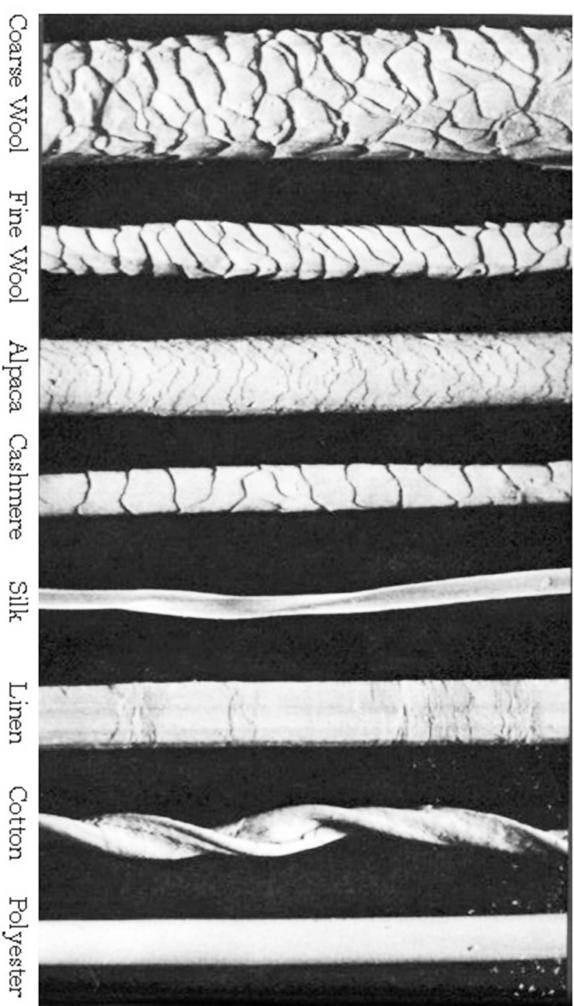
All hems including ripped hems, shortening garments.

Equipment Required:

- single strand sewing thread
- hand sewing needle
- scissors

Blind Hem

1. Fold the bottom of the garment twice to the desired length and press with an iron if possible.
2. Repeat steps for *ladder stitch* but with large stitches on the hem side, and only catching a very small amount of the fabric on the right side.



Coarse Wool

Fine Wool

Alpaca

Cashmere

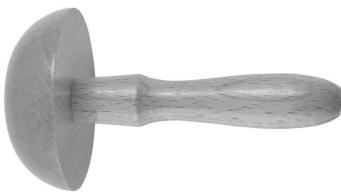
Silk

Linen

Cotton

Polyester

Darning Mushroom



Ideal Pins



Ideal Glue



For hand sewing a large knit, blunt plastic knit needles can be used to avoid damage.

For fine knit garments whose seams need zig-zag stitch on a sewing machine will act similarly. A zig-zag machine seam, which will break upon overlocked seam is far better than a standard machine, a knit needle will avoid damaging the fabric. A knit needle is rounder and less sharp, effectively pushing the textile fibres to the side rather than pierceing them.

If sewing or mending knits with a sewing machine, a knit needle will avoid damaging the fabric. A knit needle is rounder and less sharp, effectively pushing the textile fibres to the side rather than pierceing them.

Burns in a fine knit, such as in lights can be avoided by sealing the hole with a binding substance like glue or clear nail polish.

Textile Specific Tips:

Fixing Seams

Ideal for:

All seams including ripped and split seams, taking in garments for smaller fit.

Equipment Required:

- single strand sewing thread
 - hand sewing needle
 - scissors

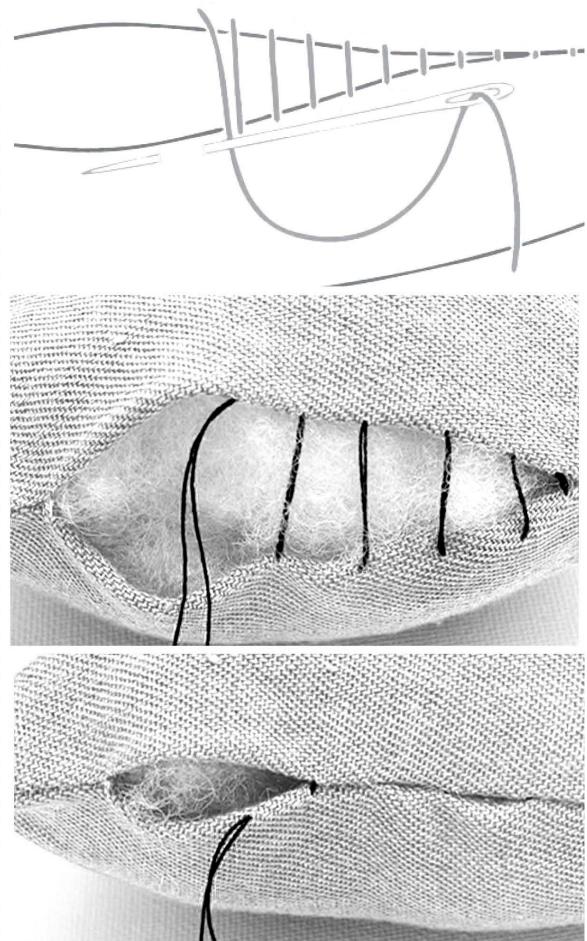
Ladder Stitch

1. Thread a needle and double knot the end.
 2. Allowing 1.5cm seam allowance, pierce the seam from the inside so the knot is hidden.
 3. On the other side of the seam, stitch 1.5cm from the edge of the fabric, parallel to the entry stitch. Slipping the needle under the fabric, make an approximately 2cm stitch under the fabric.
 4. Repeat this process, keeping stitches parallel.
 5. Once finished, pull the thread tight to close the seam, but not so tight that it puckers.
 6. Tie a knot in the thread and cut.



The interlocking loops of a knit material give it a wide range of stretch without using elastic fibers. The larger and looser the knit, the more it will stretch.

thus hand knitted garments are more suscep-
tible to this quick damage than industry
alby produced fine knits such as jersey.



Once processed into fibers and spun, syn-

Polymer chains and soils.

Petroleum is derived from crude oil, that is cracked from limited naturally occurring oil reserves. Coal-derived polymers also require mining in their initial process to retrieve coal. Though coal is more abundant than oil, both are finite fossil resources that store carbon. Upon their breaking down through chemical processes such as burning, carbon dioxide is released into the atmosphere, dangerously adding to the composition of greenhouse gases responsible for global warming.

Synthetic fibers are made from chemical compounds; either petroleum, coal-derived polymers or natural materials that are chemically altered.

Synthetic Fibrous

Patching Holes

Ideal for:

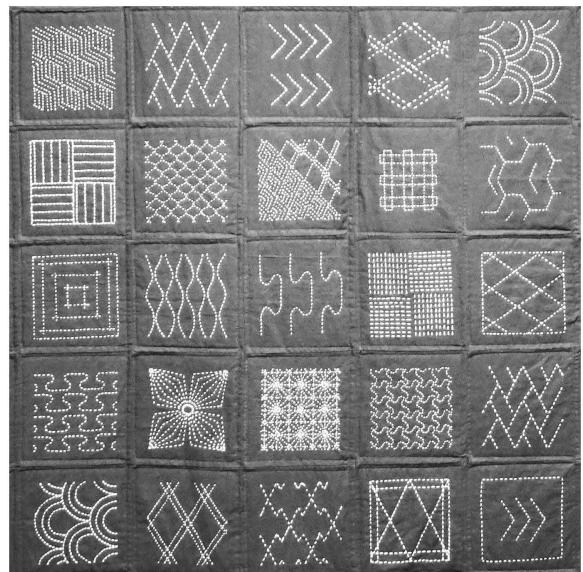
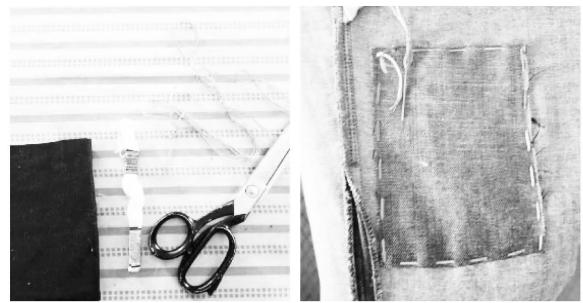
All size holes, decorative mending, all fabric types.

Equipment Required:

- stranded embroidery thread
- hand sewing needle with larger eye
- scissors
- fabric of same weight for patching
- pins and/or very light glue

Blanket Stitch / Backstitch

1. Cut a patch from a fabric of similar weight large enough to completely overlap the hole, plus an additional inch around the edges.
2. Fold the edges of the patch under by 1.5 cm and press with an iron, glue, or pin. The patch can have raw wedges, but this will aid longevity.
3. Tac, glue or pin the patch overtop the hole on the outside of the garment.
4. Thread a needle with stranded embroidery thread and double knot the end.

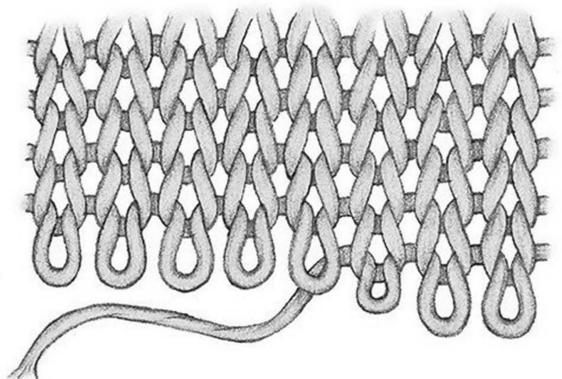


Due to their polymer nature, 100% synthetic fabrics are manufactured sustainably and reused. Landfill, the better. Thus, using and recycling fabrics we can keep in use and out of landfills, the better. This, using and recycling fabrics though buying synthetic fabrics/clothes, most sustainable textile sources is the new supports the oil industry, global warming, and the further destruction of ecosystems.

Fibre-Specific Tips:

Synthetic fabrics are exceptionally resilient. The more already manufactured synthetic fabrics are blends of synthetic and natural fibers. Many textiles use blends of synthetic and knitting, weaving, felting, or bonding. These textiles are manufactured through knitting, weaving, felting, or bonding. Synthetic fabrics are manufactured through knitting, weaving, felting, or bonding. Due to its being composed of a single fiber, knit has a tendency to unravel, rather than fray like its weave counterpart. This is a quicker process of textile distillation, and thus holes can damage a knit within a weave garment. The larger and more intensive a garment, the quicker it will unravel, within the knit, the quicker it will unravel.

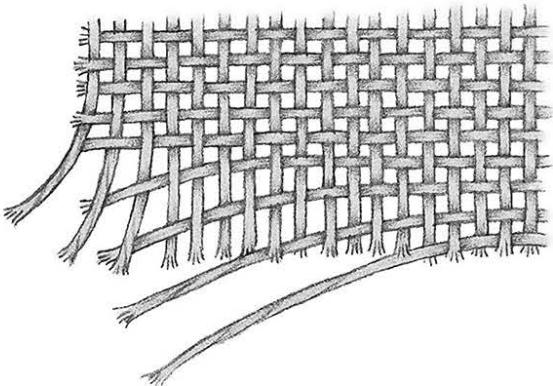
Knit panels consist of a single thread bound through rows of interlocking loops. Knit panels consist of a single thread due to its being composed of a single fiber, the knit has a tendency to unravel, rather than fray like its weave counterpart. This is a quicker process of textile distillation, and thus holes can damage a knit within a weave garment. The larger and more intensive a garment, the quicker it will unravel, within the knit, the quicker it will unravel.



Knit

The pattern also doesn't have to be uniform, this technique can be used with any design. The example here uses crosses, and thus regular dots have been drawn as a guide.

4. Thread a needle with stranded embroidery thread and double knot it's end.
5. Pierce the garment from the underside so the knot will not be seen.
6. Use a running stitch (up, down, up, down) to trace the pattern. In the case of doing crosses, do all horizontal stitches first, then all vertical stitches to maintain clean work on the underside of the garment. Try to keep these stitches equal distance and length, using a ruler if needed.
7. Once finished, pierce the fabric so the needle is on the underside, tie a double knot and cut thread.



fabric.

Any weave prone to fraying should not be finished with an overlocker, as more interference with the weave will weaken the fabric.

Seams should be sewn at 1.5cm from the edge of the material to prevent splitting from fraying edges.

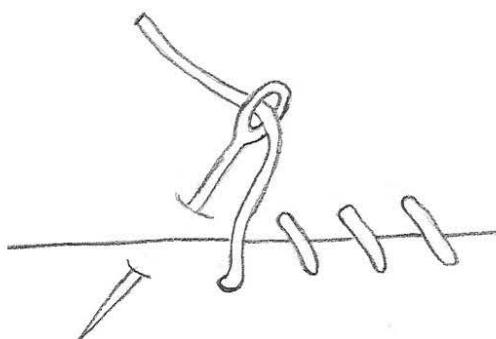
Weave fabrics fray easily. See weave fray pattern below.

Weave fabrics fray easily, and care should be taken in how edges are finished to maintain longevity. See weave fray pattern below.

Textile Specific Tips:

ditionally diagonal, but it can be horizontal for these purposes.

7. Pierce the underside of the fabric so the knot is hidden at least 1cm away from the rip (further if the fabric frays a lot). Reinsert the needle on the other side of the rip, securing it shut with the patch underneath for reinforcement.
8. Continue until the whole rip is sealed. If necessary for durability, repeat with the whipstitch facing diagonally in the other direction.
9. Once finished, pierce to the underside, tie a knot and cut thread.

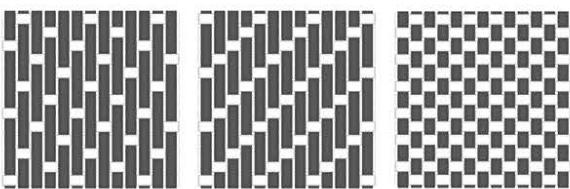


All mends are functional for weave fabrics.

Ideal Mends:

Weave fabrics are non-stretch when pulled vertically or horizontally but have a slight give when pulled diagonally - this is referred to as the bias.

Plain weave twill satin



A weave fabric is produced on a loom by interlocking vertical and horizontal spun fibers. The pattern of this interlocking will produce different weave types such as satin or twill.

Weave

Under Patching

Ideal for:

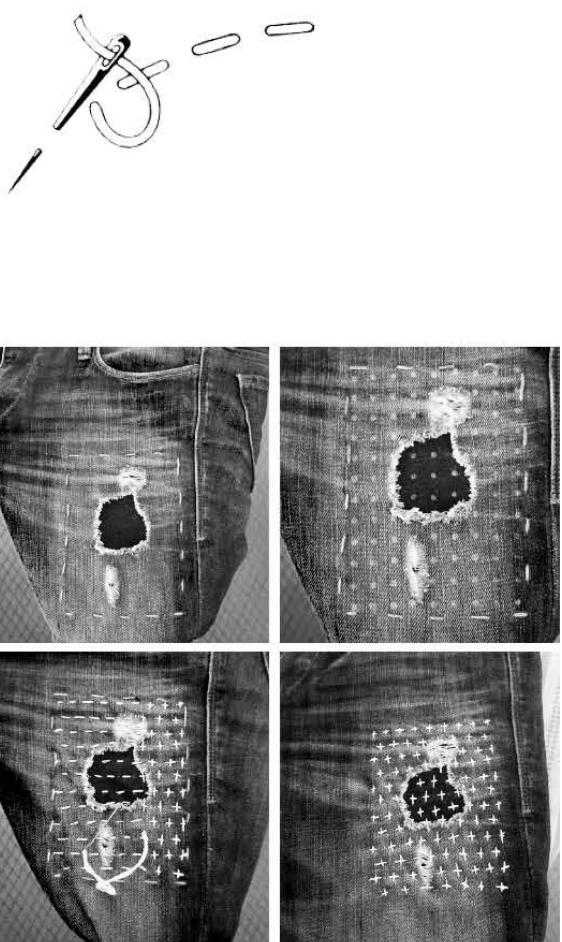
Rips, holes, heavily frayed seams.

Equipment Required:

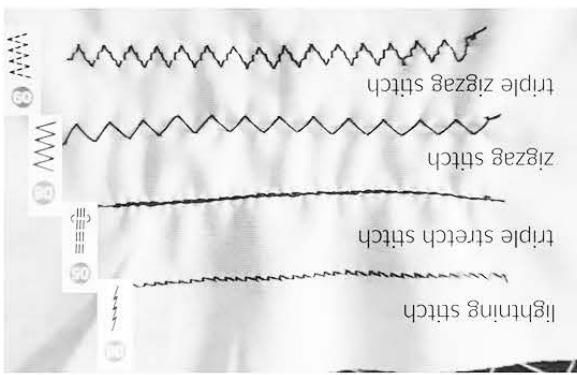
- single strand sewing thread
- hand sewing needle
- scissors
- fabric of same weight for patching
- pins and/or very light glue

Whipstitch

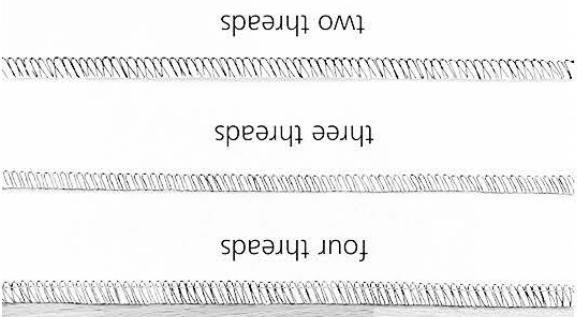
1. Cut a patch from a fabric of similar weight large enough to completely overlap the rip, with at least an additional inch around the edges.
2. Turn the garment inside out.
3. Tac, glue or pin the patch the rip, aligning the edges of the rip (on inside of garment) so the fabric is as smooth as possible.
4. Thread a needle and double knot the end.
5. Turn the garment right side out.
6. Use a whipstitch to secure the under patch, sealing the rip. A whipstitch is tra-



Images via Ardent Earth



Machine Sewing Stitches:



Overlocking Stitches:

Darning Holes

Ideal for:

Small holes in weave and knit fabrics.

Equipment Required:

- stranded embroidery thread or yarn
 - long hand sewing needle with larger eye
 - scissors
 - darning mushroom or substitute i.e. ladle, ramekin or jar

Darning

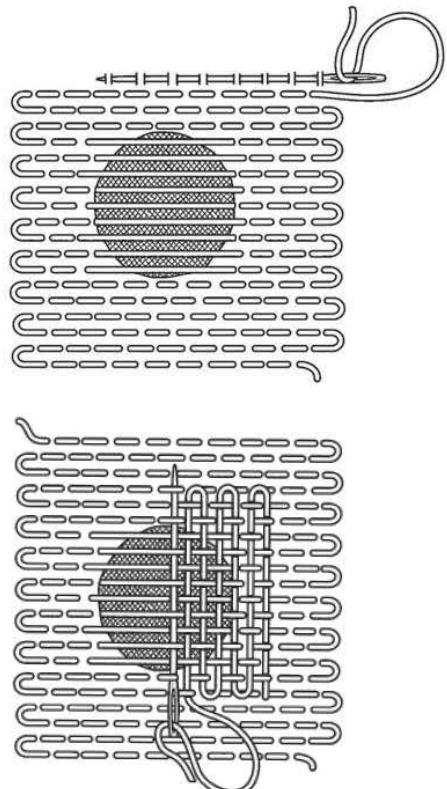
1. Place darning mushroom or equivalent under garment to keep the area taught whilst darning.
 2. Thread a needle with stranded embroidery thread or thin yarn and tie a knot.
 3. As shown in the diagram, sew a fine running stitch around the hole where the fabric is secure. Across the hole/damaged fabric, sew long stitches.
 4. Once the hole is surrounded by and covered with horizontal stitches, weave vertical stitches across the hole area. Keep



Patch woven from plastic bags.

this weave as tight as possible for the best results.

5. Once hole is covered, tie off thread and cut.



Felted material does not fray and thus doesn't deteriorate from its edges. The edges of felted garments do not need to be finished. However, unlike structures textiles like weave or knit, felt can be pulled apart or tear easily, depending on its weight and quality.

Felt will hold the shape it has been manipulated into, and thus does not have stretch qualities.

Felt is a freeform textile, manufactured by matting fibers into a smooth textile, that can be flat or sculptural. This is done using felting needles that push the fibers into the textile. Synthetic fibers can be used for felting though their structure is smooth, and thus more resistant to matting as fibers will easily slip away from one another.

Wool is a coarse fiber, whose texture aids the interlocking process of felting, and creates more resistance to being pulled apart, thus producing higher quality felt.

Heilt

Patchwork

Ideal for:

Fabric scraps, unfixable clothing, all fabric types.

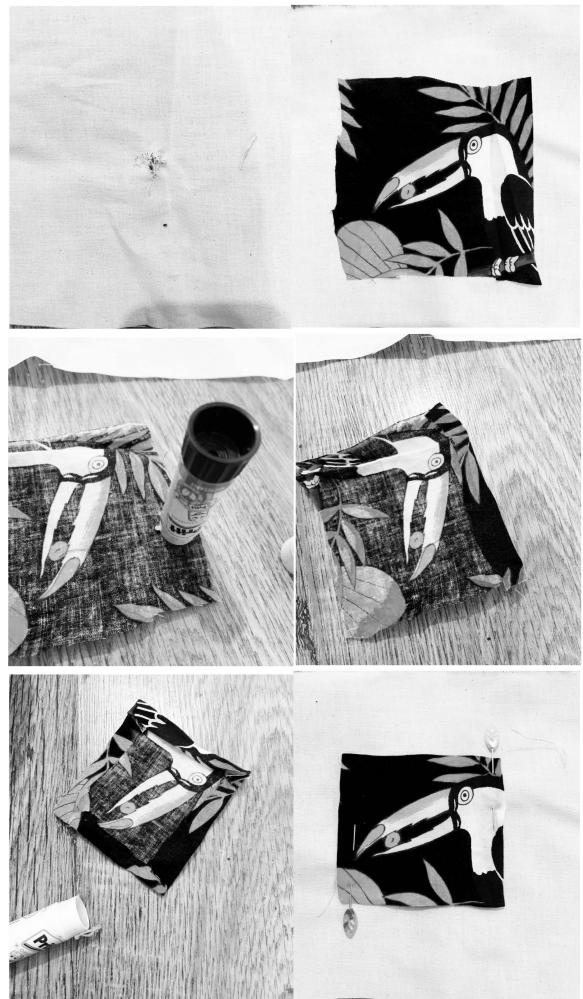
Equipment Required:

- single strand sewing thread
- sewing machine
- scissors

Patchwork

Patchwork can be uniform or freeform, depending on the desired outcome. Uniform patchwork is best achieved with cut squares/triangles of equal size from fabrics of the same type and similar weight. Freeform patchwork can use any shapes scrap and use a variety of fabric types in one piece. Patchwork may also be hand-sewn, though due to its laborious nature, it is easier to complete using a machine.

1. Cut scraps to desired shape if intended.
2. Use a 2.2mm running stitch to sew patches, right side together.



knits.

This technique can be used for holes in any fibrous fabric and is effective in mending

The felting base is placed under the textile, and the yarn overtop the hole. The yarn is repeatedly punctured with the felting needle until it is matted.

A hole in felt can be restored to its original base (or substitute), and unspun yarn brushed out yarn.

Textile Specific Tips:

All mends are functional for felted fabrics. Ideal Mends:

In our making and mending for a better future, resourcefulness is a skill to be praised. The confines of traditional textile, or mending rules, should constrain creativity in our clothing. In this vein, miscellaneous continuous reinvention of and creativity in our clothing, rules, should constrain the textile, especially when found from to-be-textiles, especially when found from landfills, are our most abundant resource. Making with and finding purpose for what was to be discarded is our most powerful tool.

In producing textile centric work, the lines between textile and miscellaneous objects can also get blurry. Light metal, paper, foam, plant fibers, wood and plastic are all materials capable of being manipulated into clothings, though they are not considered textiles.

Hides, weave, knit, felt, and bonded materials are 5 of the most frequently used textile types, however there are many more that have not been discussed in detail here.

Miscellaneous

5. To start blanket stitch, pierce the garment from the underside so the knot is hidden, aligning the stitch with the edge of the patch.

6. Stitch 1cm into the patch perpendicular from the edge once, so the needle returns through the initial hole.

7. For the remaining stitches, stitch 1cm to the left of the last stitch, as shown in the diagram. When pulling the needle through, ensure it is overtop the thread, this will create the blanket effect.

8. Once the patch is secured, pierce to the underside, tie a knot and cut thread.

5. To backstitch, first make a single running stitch.

6. To continue the stitch, pierce the fabric 1cm behind the last exit point of the needle, and make a 2cm stitch under the patch.

7. Continue until the patch is secured, and tie off the thread on the underside.

against.

glue or clear nail polish. Patching is recommended for holes, darling is advised

these holes can be filled using a liquid

Piercing holes in a waterproof fabric will reduce its waterproof quality, however.

with more manipulation thus darning or overlocking are not recommended.

Easily tearing bonded fabrics will weaken

For non-waterproof, tear resistant bonded

1. *Principles of the Law of Evidence* (1993) 2nd edn, Butterworths, London.

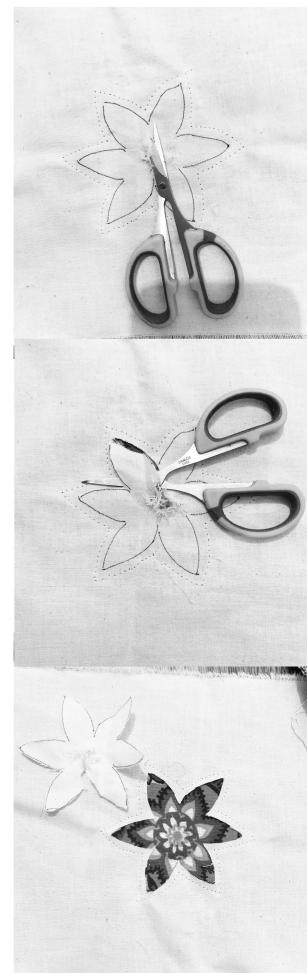
bonded fabric.

Bonded fabrics vary in qualities, and thus ideal men's will depend on the type of

true costs.

disposable products due to cheap manufacture, bonded fabrics are frequently used in

to decompose, even after visibly breaking down, micro-plastics enter and harm ecosystems through water and soil. Aiding these systems



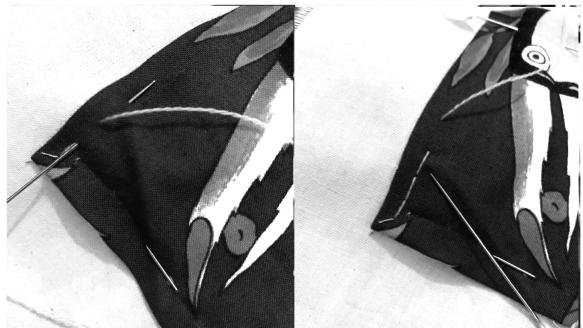
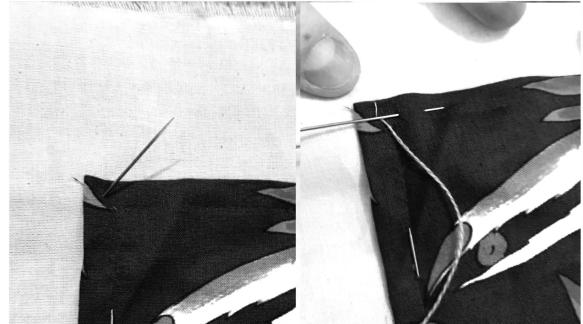
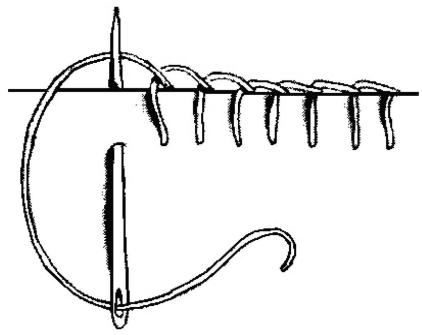
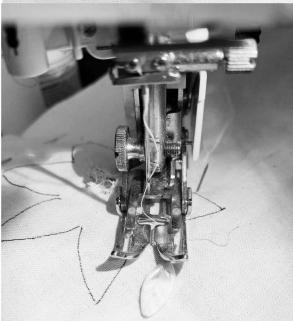
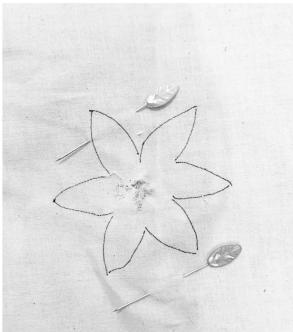
All bonded textiles are at least partially synthetic, and thus require recycled plastic or extractants to produce. Due to this, bonded fabrics can take a very long time

Dependence on their composition and manufacture, bonded materials can have differing qualities, such as absorbency, heat resistance, wrinkle resistance, tear resistance and waterproofing.

Waterproof fabrics are an example of a pre-manufactured textile bonded with a plastic composite, whereas disposables such as cloth diapers are an example of bonded raw fibers.

Downdrafting uses adhesives, bonding, or heat processes in the manufacturing of the textiles. Some bonded fabrics are comprised of pre-manufactured textiles bonded together, or with another material such as a plastic coating. Other bonded textiles are manufactured by bonding raw fibers into textile fabrics.

Bonded



Textile Care
Tags Laundry Symbol Key



PDF:

Reverse Applique

Ideal for:

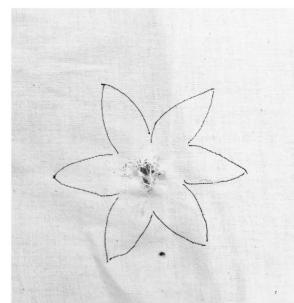
Decorative mending, all
holes, better for weave fabrics.

Equipment Required:

- single strand sewing thread
 - hand sewing needle or sewing machine
 - fine scissors
 - fabric of same weight for patching
 - pins and/or very light glue
 - chalk

Reverse Applique with Backstitch

1. Use chalk to a pen to draw the intended design on the outside of the garment around the hole.
 2. Cut a patch of similarly weighted fabric that covers the design with excess.
 3. Pin or tac the patch underneath the design, ensuring the patch is flat with the garment.
 4. Backstitch or machine sew the patch in place 0.5 cm from the edge of the design.
 5. Using fine scissors, cut from the hole to 0.5-1cm away from the seam.



No steam		Low heat		Reduced moisture	
Short cycle		Do not dryclean		Do not wet clean	
wet cleaning					
Any solvent except tetrachloroethylene		Any solvent		Dryclean	
Petroleum solvent only				wet cleaning	

Professional Laundry

The following is a key to what each launch symbol means for your reference.

Not all tags will say explicitly what the laundry symbols means. The symbols are not intuitive, and require decoding to understand, hence often being overlooked.

Although laundry symbols are often ignored, they are vital to the maintenance and longevity of our clothing.



All clothing has a tag sewn into it which tells you the place of manufacture, textile composition and how to care for the garment.

Tags

5. repeat on the other side so both sides of the zip tape are secured to the seam allowance.

6. Turn the garment to the outside. Stitch 0.5 cm from the seam, top stitching the zip in place. Use a 3mm stitch and turn when at the bottom of the zip so the zip tape is sewn over at the base of the zip.

7. Unpick the initial 5mm seam and test the zip works. If the zip won't open, the stitching may be too close to the zip teeth. Unpick this section and repeat process.



Domestic Laundry Symbols

3. Open the seam allowance flat and use a zig zag stitch to stitch it flat.

4. Continue this process until the patch-work is the desired size/shape.

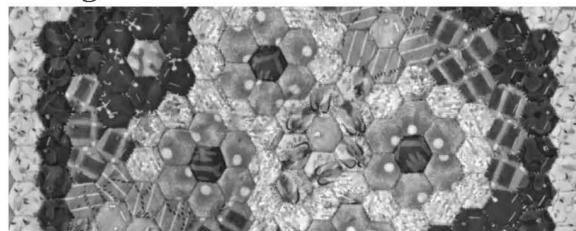
Square Patchwork:



Triangle Patchwork:



Hexagonal Patchwork:



Gathering

Ideal for:

All gathered seams i.e. gathered sleeves, gathered skirts.

Equipment Required:

- single strand sewing thread
- hand sewing needle
- scissors

Tacking & Back Stitch

1. Thread a needle and knot the end.
2. Make wide running stitches (up, down, up, down) across the area you want gathered.
3. Pull the thread tight, puckering the fabric along the thread. Once happy with the amount of gather, knot the thread.
4. Along the gathering stitch, backstitch to secure the gathers. To backstitch, pierce the fabric 1cm behind the last exit point of the needle, and make a 2cm stitch, as shown in the diagram to the right.
5. Once finished tie a knot and cut thread.

