

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0>



1. Introduction

2. Tools and Raw Materials

3. Making Process

4. Products

5. Contact Details

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/introduction>

Introduction

Shoe (foot wear) is associated with mankind since per historical era. Shoe were used to protect the feet from harsh and rough surfaces, but in the modern era, it is a style of status and pride. Traditionally in India, foot wear is known as paduka, which were made out of wood. One of the most essential footwear used in India, which consist of wooden post and knob between the big and second toe. Paduka has served gurus and religious men for about 5000 years.

Kharawan and koram are two well-known types of Paduka throughout the Indian subcontinent. In Rigveda, the ancient Indian scripture. Which is written between 13th and 10th centuries B.C.E. it is mentioned that, the foot of deities covers four quarters of the universe which consist of earth, air, sky and space, using their foot, deities have created different parts of universe. Usage of foot ware is not limited for the sake of protection. according to the Indian epic Ramayana, Lord sri rama was out casted by his father king dasaharatha, Lord sri rama's wife sita devi and his brother Lakshmana accompanied him to the forest. While lord rama was at the jungle, his younger brother bharata, took care of the kingdom by placing lord rama's golden Paduka on the throne and also carried it on his head, whenever he was out for the procession.

In India, the community which involves in the making of leather shoe is known as chamars, these craftsmen, very skilfully turn leather into shoes, sandals, ropes, bags and membrane for musical instruments. There are many legend about the expansion of leather industry in Agra, one such legends says that Humayun, the son of emperor Babur (the pioneer of mogul empire in India) was drowning in a river, while trying to save his life from the emperor sher shah suri. Humayun was rescued by a bhisti (locally known a water carrier in leather bag). As expression of gratitude, humayun made bhisti the king for one day. Due to the happiness, bhisti invited all his community people for a feast. After this day, a low population community bhisti was established in Agra, serving the kings need. Since that day the production of leather items was also given a priority by the rulers of Agra. King Akbar was also fascinated by the craftsmen's ship of bhisti community, he ordered all his soldiers to wear shoe during the battle, before this all the soldiers used to fight bare foot. Due to the order of king Akbar, 1000's of pairs of shoe was made every month, the shoes were not only limited to the kings and soldiers but were also for ladies and children. Very soon, leather foot wear become as a landmark of Agra.

During the British era, leather shoe of Agra reached international market, they were highly appreciated by the consumers of international market, and many of chamar community people become millionaires by supplying belt and shoes to the British army during the 2nd world war. By 1970 Agra in India become the largest manufacture of leather shoes and items.

1. Introduction

2. Tools and Raw Materials

3. Making Process

4. Products

5. Contact Details

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/introduction>

Leather shoe can be made out of different types of leather extracted from dead animals like cow, buffalo, pig, goat, sheep and camel. Which leather has to be chosen is generally directed by the consumer. The raw leather which is procured from the dead animals undergo tanning process, which involves in removal of unwanted material from the skin of animal. The raw leather is soaked in salt solution, which helps the wet skin from rotting, then the skin is dipped in mixture made of tarwar tree bark, which helps to convert the skin into leather. The processed skin is dipped into a tank of lime for a week, after which it turns into leather. The fiber of fruit called karukkaya is dried and boiled with castor oil. On cooling it is applied on leather to give smooth look.



Designed brown leather formal shoes for men.

1. Introduction
2. Tools and Raw Materials
3. Making Process
4. Products
5. Contact Details

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/introduction>

1. Introduction

2. Tools and Raw Materials

3. Making Process

4. Products

5. Contact Details



An elegant pair of leather shoes.



Traditionally knitted leather shoe with different patterns.



Detailed texture of a design pattern.

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/introduction>

1. Introduction
2. Tools and Raw Materials
3. Making Process
4. Products
5. Contact Details



Leather sheets are cut into required shapes.



Glover's needles are used for stitching leather.

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/introduction>

1. Introduction

2. Tools and Raw Materials

3. Making Process

4. Products

5. Contact Details



Polishing one of the brown leather slipper.



Stitching Awl is used to sew the parts of the shoe.



Craftsman cutting out the different parts of the leather shoes.

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/introduction>

1. Introduction
2. Tools and Raw Materials
3. Making Process
4. Products
5. Contact Details



Leather shoes in the process of Staining, polishing and waxing.

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/tools-and-raw-materials>

Tools and Raw Materials

Following are the tools and raw materials used for the process of Shoe Making:

- **Tack Hammer:** Long headed hammer for accurate hammering.
- **Lasting Stand:** To hold plastic last.
- **Lasting Pliers:** Pliers used while lasting process.
- **Shoemaking Pincers:** Used to remove nails.
- **Cut Leather Shears:** Leather cutting blades/ scissor.
- **Scratch Awls:** Point making and piercing tools.
- **Three-Prong Thonging Chisel:** Chisel used for removing excess.
- **Stitching Awl:** To sew the parts of shoe.
- **Glover's Needles:** Long and thick needle used for stitching leather.
- **Adhesive:** To stick the parts of shoes.
- **Tanned Soling Leather:** Leather used for making shoe.
- **Waxed Braided Cord:** Thread used for stitching.
- **Scissor's:** To cut the thread.
- **Metal Nails:** To fasten the leather to plastic last.
- **Shoe Last:** Foot shaped solid piece made of plastic or wood.

1. Introduction

2. **Tools and Raw Materials**

3. Making Process

4. Products

5. Contact Details

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/tools-and-raw-materials>

1. Introduction
2. **Tools and Raw Materials**
3. Making Process
4. Products
5. Contact Details



Cut out pieces of tanned soling leather is used for making shoes.

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/tools-and-raw-materials>

1. Introduction

2. **Tools and Raw Materials**

3. Making Process

4. Products

5. Contact Details



Upper part of the shoe known as Vamp.



Back side of the cut out leather part.

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/tools-and-raw-materials>

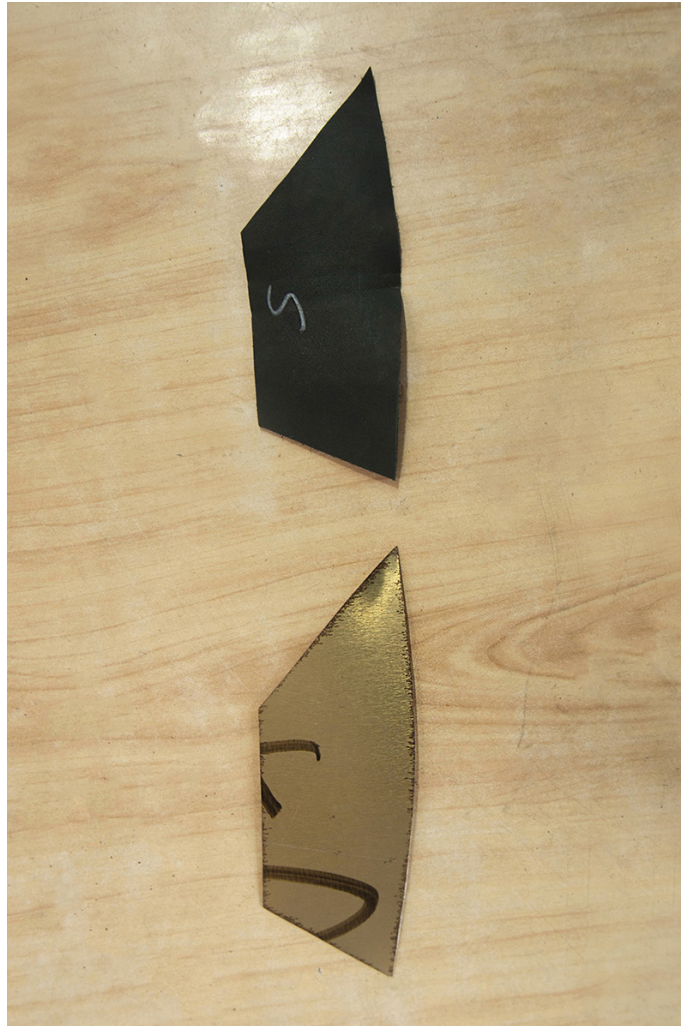
1. Introduction

2. **Tools and Raw Materials**

3. Making Process

4. Products

5. Contact Details



Cut out side part of insoles.



Shaped Leather parts.

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/tools-and-raw-materials>

1. Introduction

2. **Tools and Raw Materials**

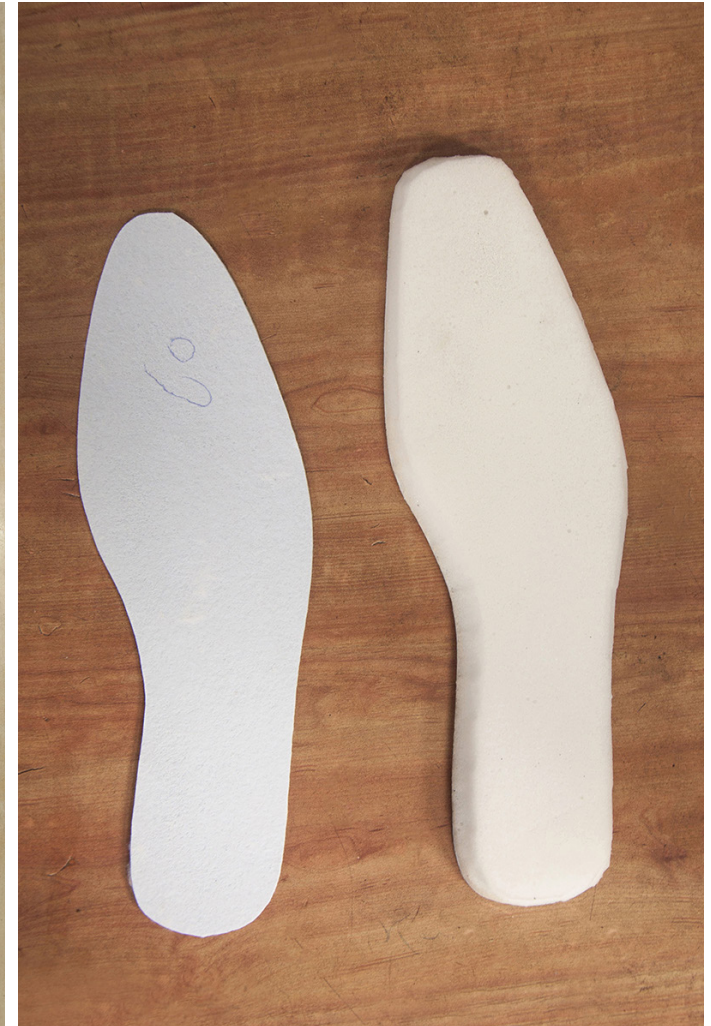
3. Making Process

4. Products

5. Contact Details



Individual pattern pieces.



Leather inner Sole pieces.

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

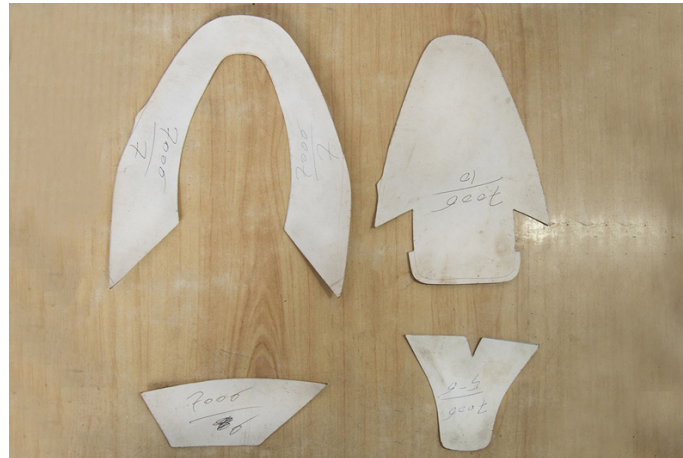
<http://www.dsource.in/resource/shoe-making-agra-0/tools-and-raw-materials>



Few parts of leather shoes.



Leather glued to their adjacent parts.



Different cut out paper stencils.



Inner sole and heel part of the shoe.

1. Introduction

2. **Tools and Raw Materials**

3. Making Process

4. Products

5. Contact Details

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/tools-and-raw-materials>

1. Introduction
2. **Tools and Raw Materials**
3. Making Process
4. Products
5. Contact Details



Uniformly cut out vamp pieces.

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/tools-and-raw-materials>

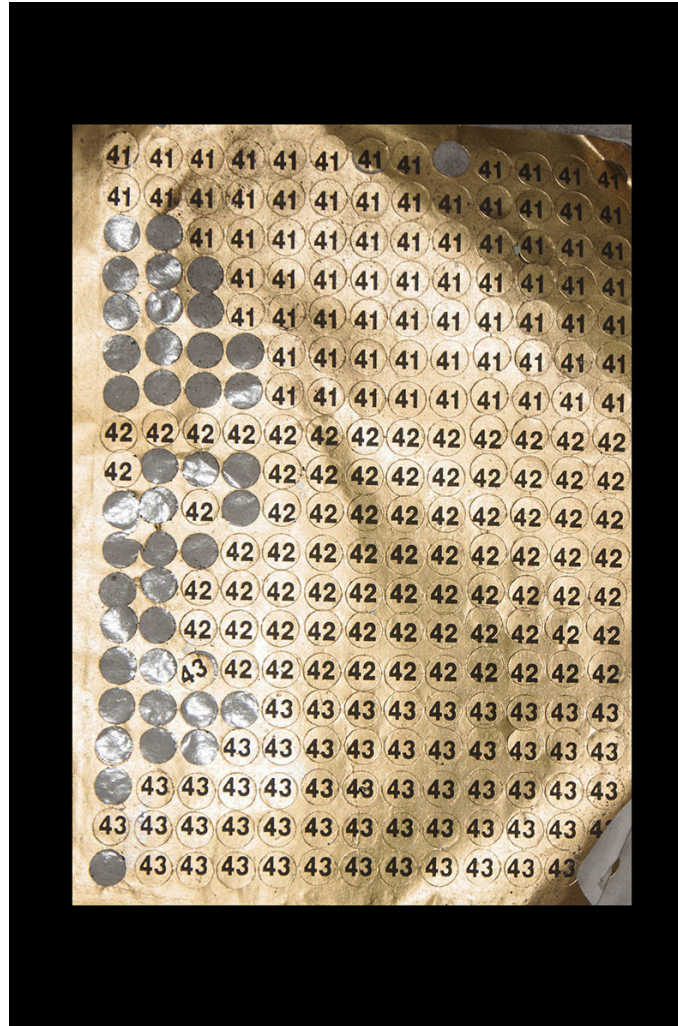
1. Introduction

2. **Tools and Raw Materials**

3. Making Process

4. Products

5. Contact Details



Golden adhesive shoe stickers.



A pair of finished product.

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/tools-and-raw-materials>



Sheets of uncut leather.



Shoe molds of different sizes and styles.

1. Introduction

2. Tools and Raw Materials

3. Making Process

4. Products

5. Contact Details



A square piece of acrylic sheet.



Stitching awl used for the purpose of sewing shoes.

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/tools-and-raw-materials>

1. Introduction

2. **Tools and Raw Materials**

3. Making Process

4. Products

5. Contact Details



Waxed braided cord used for stitching.



Antique Iron Shoe Cobbler stand used for hammering and repairing.

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/tools-and-raw-materials>

1. Introduction
2. **Tools and Raw Materials**
3. Making Process
4. Products
5. Contact Details



Various leather crafting cobbler tools.

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/tools-and-raw-materials>

1. Introduction
2. **Tools and Raw Materials**
3. Making Process
4. Products
5. Contact Details



Metal strips (shanks) are attached to the insole to provide arch support.



A shoe maker's Chisel.

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/tools-and-raw-materials>

1. Introduction

2. **Tools and Raw Materials**

3. Making Process

4. Products

5. Contact Details



A chemical mix that works as a glue.



Leather cutting scissors along with polishing wax vessel.

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/tools-and-raw-materials>

1. Introduction

2. **Tools and Raw Materials**

3. Making Process

4. Products

5. Contact Details



Raw hide mallet are used for stamping leathers.



Metal nails used for fastening the leather.

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/tools-and-raw-materials>



A tack hammer, welt beaters and a shoemaking pincers.



Super glue along with wax polish.



Adhesive used to stick the different part of the shoe.

1. Introduction

2. **Tools and Raw Materials**

3. Making Process

4. Products

5. Contact Details

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/making-process>

Making Process

Shoes are generally made of sole, insole, outsole, midsole, heel and vamp as basic parts. Sole is the exterior part, which is present at the bottom of shoe. Insole is present inside the shoe, which come under direct contact of foot. Outsole is a part which come under direct contact with ground. Midsole is present between the outsole and insole, which helps in shock absorption. Heel is a part which is attached to the rear end of shoe. Vamp which is also known as upper, its helps to hold the shoe on the foot and also it is the top part of the shoe. Making of shoe is divided into four different segments cutting process, machining (closing) process, machining process, Lasting process and finishing proces.

Cutting process is used to make to uppers for the of the shoe, generally cow leather is used to make the upper of the shoe but any other type of leather can also be used depending on customers' demands. Metal strip knives are used to cut the required shape out of leather. This part of the process is very important, as it requires lot of experience to cut the leather with minimum wastage. Careful inspection of leather is required as it may be damaged while transporting and such parts cannot be used for making shoes. Machine process is done to stitch the upper together, all the parts of upper is stitched on a flat base machine, once the stitching of upper is completed, from flat leather piece it become 3 dimensional in nature, taking the shape of foot. To stitch a 3 dimensional upper, machine known as post machine with elevated surface is used. Various design are also done on the upper at this stage and eyelets are attached in this stage, through which laces are passed.

Lasting process is done to shape the upper into required foot size, which is done with the help of plastic last, which resembles the shape of foot. Insole of the shoe is temporarily attached to the bottom of last. Upper is stretched and molded on top of last to which welt- a thin strip of leather is sewn. Upper and extra materials are trimmed. Welt and insole is sewn together, followed by outer sole and in last heels. Finishing process is mainly done for leather shoe, the sole edge and heel are trimmed and buffed for a smoother, attractive and waterproof finish. They are stained, polished and waxed. Pure leather shoes are much more costly then synthetic leather, the amount required to manufacture 100 leather shoes is equal to the amount required to manufacture 600 synthetic leather shoe.

1. Introduction

2. Tools and Raw Materials

3. Making Process

4. Products

5. Contact Details

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/making-process>



Craftsmen uses Stencils to cut out the leather.



Different parts of the shoes like vamp, soles and heels are cut.

1. Introduction

2. Tools and Raw Materials

3. **Making Process**

4. Products

5. Contact Details



The trimmed leather pieces are ensured by the craftsmen.



Process of trimming leather pieces.

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/making-process>

1. Introduction
2. Tools and Raw Materials
3. **Making Process**
4. Products
5. Contact Details



Skilled artisan involved in designing the vamp with Raw hide mallets.



Thick sponges are cut into desired shapes.



The cut sponges are attached to the insoles.



Artisan ensures that all sides of the sponges are firmly glued.

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/making-process>



The insoles pressed hard to stick firmly with the sponge.



Unwanted leather parts are removed.



Sponges are measured and placed in the proper positions.



The sponge part is attached to the leather.

1. Introduction
2. Tools and Raw Materials
3. **Making Process**
4. Products
5. Contact Details

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/making-process>



Sponges are pressed hard against leather.



Mallets are used to make folds in leather.



Raw hide mallets are used as hammers for stamping.



The edges of shoes are sewed.

1. Introduction
2. Tools and Raw Materials
3. **Making Process**
4. Products
5. Contact Details

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/making-process>

1. Introduction
2. Tools and Raw Materials
3. **Making Process**
4. Products
5. Contact Details



Sewing machines are used for sewing the leather.

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/making-process>

1. Introduction
2. Tools and Raw Materials
3. **Making Process**
4. Products
5. Contact Details



The sewed leather are stamped to flatten the stitches.



The upper leather part are placed on iron cobbler stand and stamped.

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/making-process>

1. Introduction
2. Tools and Raw Materials
3. **Making Process**
4. Products
5. Contact Details



The unwanted leathers are scrapped out using scissors.

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/making-process>

1. Introduction
2. Tools and Raw Materials
3. **Making Process**
4. Products
5. Contact Details



Upper part of the shoe.

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/making-process>

1. Introduction
2. Tools and Raw Materials
3. **Making Process**
4. Products
5. Contact Details



Leather upper soles with different sizes.



Glue is applied to the insoles.



Metal strips (shanks) are glued with the insoles.

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/making-process>

1. Introduction
2. Tools and Raw Materials
3. **Making Process**
4. Products
5. Contact Details



With the help of tack hammer shanks are set into places.

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/making-process>

1. Introduction
2. Tools and Raw Materials
3. **Making Process**
4. Products
5. Contact Details



The insoles are further temporarily attached on the shoe lasts (mould) for giving proper foot shape.



The upper part of the shoe are attached to lasts (mould).

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/making-process>

1. Introduction
2. Tools and Raw Materials
3. **Making Process**
4. Products
5. Contact Details



The leather parts are bend using shoemaking pincers.



Metal nails attached to the insole and leather.

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/making-process>

1. Introduction
2. Tools and Raw Materials
3. **Making Process**
4. Products
5. Contact Details



A craft finished look.

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/making-process>



Shoes are polished with wax.



Buffing machines are often used for smoothing up the remaining polish into the leather.



Buffing machine is used to remove excess polish from the shoes.

1. Introduction
2. Tools and Raw Materials
3. **Making Process**
4. Products
5. Contact Details

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/products>

1. Introduction
2. Tools and Raw Materials
3. Making Process
4. **Products**
5. Contact Details

Products

Men's foot wear, women's foot wear, leather slipper's, Washable White clean Room Safety Shoes With/without Steel Toe, Ladies Pharmaceutical Shoes, Pharmaceutical Sandals, Pharmaceutical Ankle Length Shoe, Laboratory Shoes, Biotech Laboratory & Medical OT Sandals with Air Circulation, Nurse Shoes, Casual shoe soles, Safety shoe soles, Kitchen Shoes, Clean Room Shoes, Roman Sandals, Ladies Casual & Formal Shoes, Derby Shoes, Police Shoes, Hospitality, Health & Wellness Group, TPR & PVC Soles, Safety Industrial Shoes, Surgeon shoes.



Black formal leather shoes.



Toe brown leather shoes.

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/products>



Detailed texture of leather shoes.



Waxed and Polished leather heels.



A pair of leather slippers.

1. Introduction
2. Tools and Raw Materials
3. Making Process
4. **Products**
5. Contact Details

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/products>



Simple detailed texture of leather vamp.



Polished leather heels.



Crafted leather shoes with different sizes.



Plain boat shoes with high heels.

1. Introduction
2. Tools and Raw Materials
3. Making Process
4. **Products**
5. Contact Details

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/products>

1. Introduction
2. Tools and Raw Materials
3. Making Process
4. **Products**
5. Contact Details



Different varieties of leather shoes.



Popular design found in leather shoes.

Design Resource

Shoe Making - Agra

Shoe is Associated with Mankind

by

Prof. Bibhudutta Baral, Divyadarshan C. S. and

Vijay. G.

NID Campus, Bengaluru

Source:

<http://www.dsource.in/resource/shoe-making-agra-0/contact-details>

Contact Details

This documentation was done by Prof. Bibhudutta Baral, Divyadarshan C. S. and Vijay G. at **NID Campus, Bengaluru**.

You can get in touch with

- Prof. Bibhudutta Baral at [bibhudutta\[at\]nid.edu](mailto:bibhudutta[at]nid.edu)

You could write to the following address regarding suggestions and clarifications:

Helpdesk Details:

Co-ordinator

Project e-kalpa

R & D Campus

National Institute of Design

#12 HMT Link Road, Off Tumkur Road

Bengaluru 560 022

India

Phone: +91 80 2357 9054

Fax: +91 80 23373086

Email: [dsource.in\[at\]gmail.com](mailto:dsource.in[at]gmail.com)

1. Introduction

2. Tools and Raw Materials

3. Making Process

4. Products

6. **Contact Details**