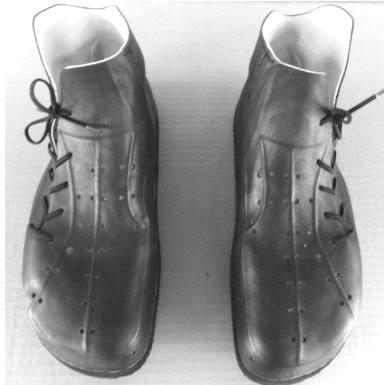
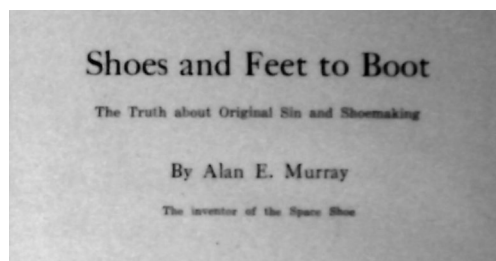


# BECOME AN ARTISAN



## LEARN TO MAKE YOUR OWN MOLDED SHOES, BOOTS & SANDALS



Book 2 of 4

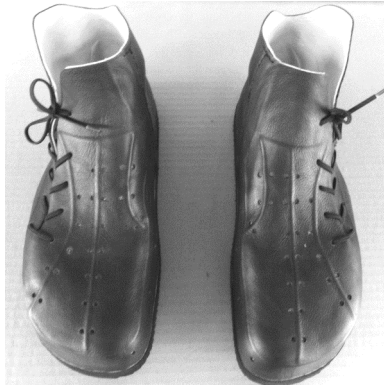
## BOOT & SANDAL FABRICATION TECHNIQUES

By Franklin Espriella

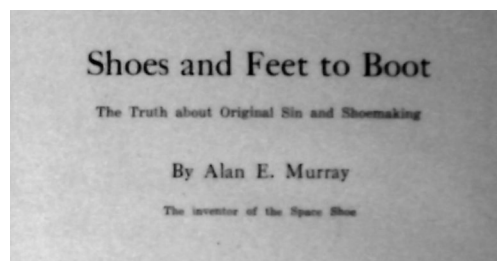
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# BECOME AN ARTISAN



## LEARN TO MAKE YOUR OWN MOLDED SHOES, BOOTS & SANDALS



Book 2 of 4

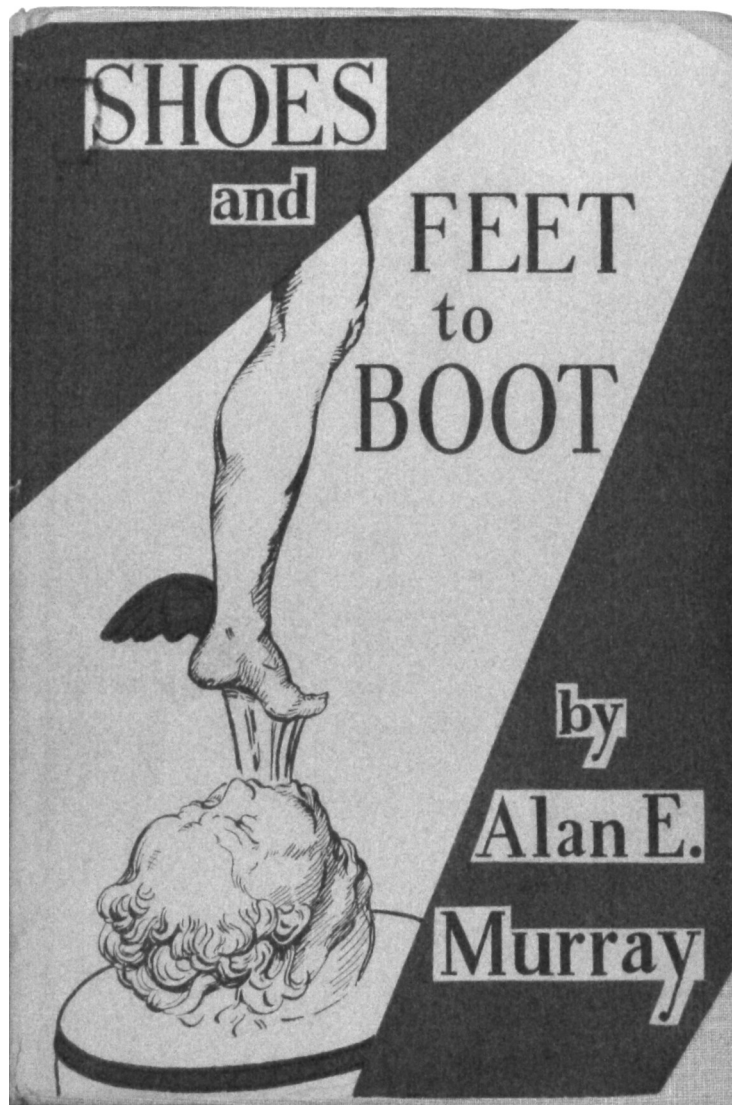
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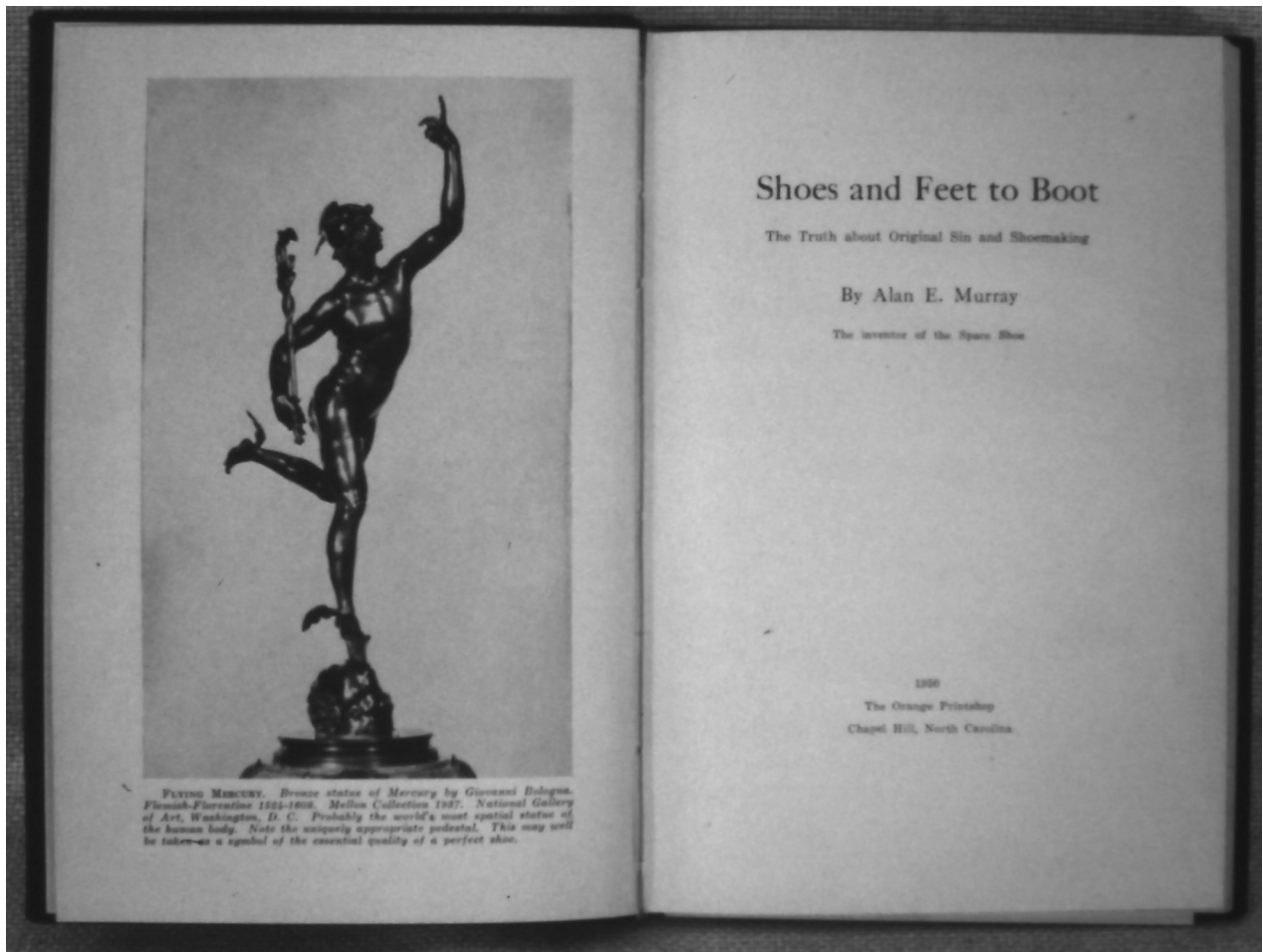
By Franklin Espriella

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Changes in language: "Moulded" was the accepted spelling of the early 20th century. "Molded" became the preferred spelling by the mid to late 20th century (USA). Therefore each is correct in its own time frame.

This picture is of the title of Mr. Alan E. Murray's book circa 1950





FLYING MERCURY. Bronze statue of Mercury by Giovanni Bologna. Florentine-Florentine 1584-1608, Mellon Collection 1987. National Gallery of Art, Washington, D. C. Probably the world's most spatial statue of the human body. Note the uniquely appropriate pedestal. This may well be taken as a symbol of the essential quality of a perfect shoe.

# Shoes and Feet to Boot

The Truth about Original Sin and Shoemaking

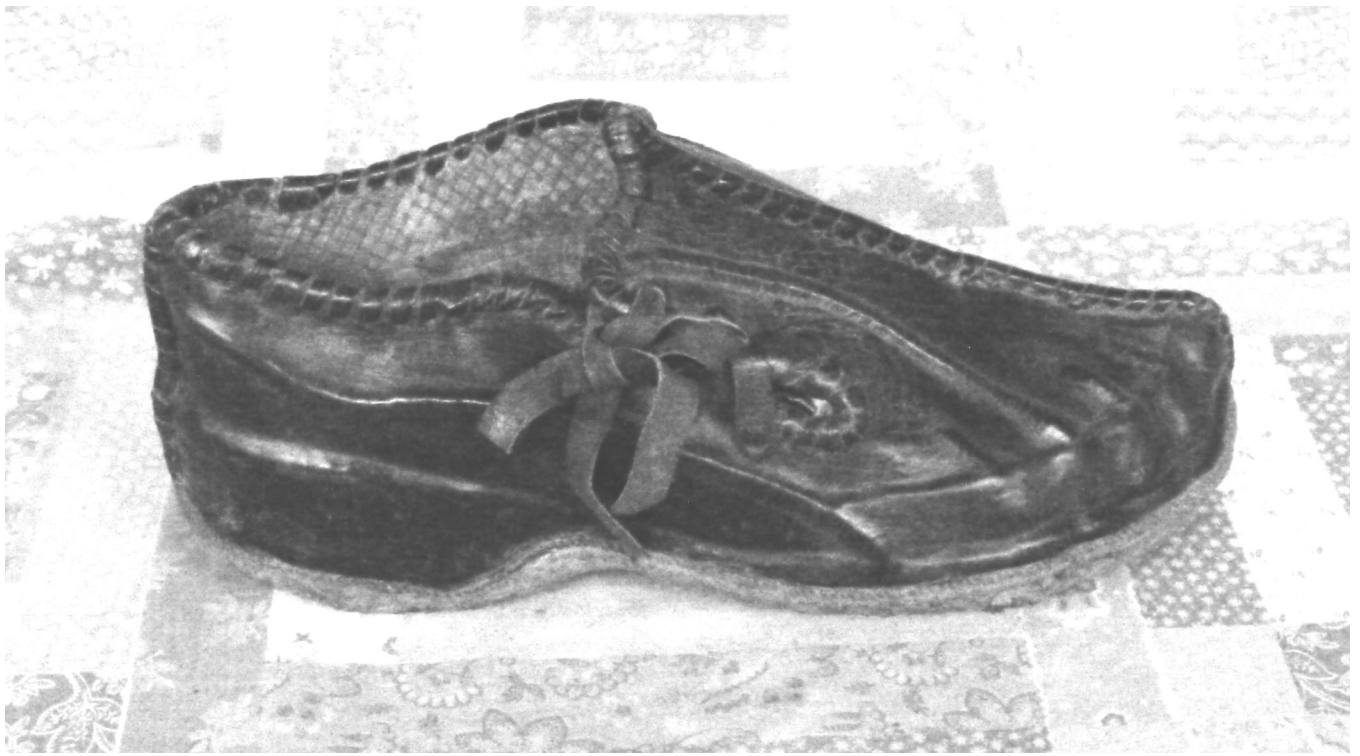
By Alan E. Murray

The inventor of the Space Shoe

1980

The Orange Printshop  
Chapel Hill, North Carolina

The inside opening of Mr. Murray's book.



Circa 1940's



Circa 1950's

## COPYRIGHT, TRADEMARK and SERVICE MARK

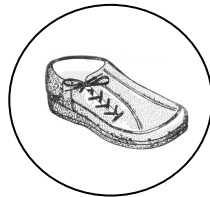
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**Except**, that every living human being of the world is, hereby, granted permission to make one free download in unaltered PDF format only, and possess one paper copy for their own personal use, in order to learn and make their own molded shoes, boots or sandals.

That is my gift to humanity. Any and all reproductions beyond that gift is totally unauthorized!



**MURRAY SPACE SHOE®**

The MURRAY SPACE SHOE® name and design are a registered trademark and service mark.

Part of being an artisan is being good at what one does. Another part is promoting one's own individual identity to let others recognize who you are and the uniqueness of your capabilities.

You can make your own similar or like products, but you can't use the MURRAY SPACE SHOE® name or design to identify yourself or your products.

Please do not violate my copyright, infringe upon the name, trademark, service mark of MURRAY SPACE SHOE® or purport that you are making a MURRAY SPACE SHOE®.

You will be learning to make your own molded shoes, boots and sandals.

Civilizations survive because people participate in honor and trust of one another.

Every time somebody breaks the commitment to honor and trust, the civilization deteriorates.



## DEDICATION

Mr. Alan E. Murray developed a beautiful and useful idea - moulded footwear.

He and Lucile Marsh Murray tried to share that idea with the world, and  
they did the best they could do given the times and circumstances.

I also want to help share the molded footwear idea with the world, and am now doing it the best way I know.

These four books are dedicated to all people who want to learn to make molded shoes, boots & sandals  
for themselves and others.

Self sufficiency in making footwear is somewhat like learning to subsist off the land.

It is more than a high ideal.

It is an enjoyable and wonderful experience to be able to develop one's artistic abilities  
and talents as a craftsman.

Making molded footwear for God's little children is an honorable way to make a living.

"Happiness is not a destination.

It is a method of life."

Burton Hills

May you always have healthy, happy bodies and feet.

## ACKNOWLEDGMENTS

I want to thank Alan E. Murray and Lucile Marsh Murray for all that they did in life which contributed to the development of purpose and techniques for making moulded shoes. They knew they had a unique idea to help a lot of people. They truly wanted to share the concept with everyone. But, life is short for all of us.

These books are my attempt to make sure the Murrays' legacy of how to make moulded shoes survives for a few more generations.

The most helpful person in my life was my mother, Jenny Marie Dermer. She bought her first pair of MURRAY SPACE SHOE® shoes about 1960. She said she had a feeling at that time that the MURRAY SPACE SHOE® would be a part of her life. She bought me my first pair of MURRAY SPACE SHOE® shoes within a year or two.

By 1977, she was a sales agent for Mrs. Murray. By the end of 1979, we were purchasing the MURRAY SPACE SHOE® name, the accumulated knowledge of the process, and the rights from Mrs. Lucile Marsh Murray.

Because of my mother's dedication and persistence, the MURRAY SPACE SHOE® process has continued to survive. And, with these books, you can learn the knowledge necessary to make your own molded footwear.

Learning to craft with leather started when I was young, with the help and guidance of Lee Hailey, a harness maker and saddle repairman (and a very distinguished horse trainer and showman in his younger years). He always had something to share. I learned a lot from him which helped with the making of molded footwear.

Ron Willis for about 20 professional photographs.

I wish to thank Jo Robinson for contributing to my education by doing all the research necessary to write the book "Eating on the Wild Side". She compiled the data into something interesting, understandable and useful for all of us. She not only has an appreciation for the knowledge she accumulated, she has a willingness to share that knowledge with everyone. And, she wants all of us to put our priorities into achieving real health.

I wish to thank Andre' Leu for also contributing to my education by writing the book "The Myths of Safe Pesticides". He has devoted so much of his life to helping people understand that our civilization needs to focus on living in harmony with our environment for ourselves and the environment's long term existence. We need to realize that we are in a relationship with our environment. We need to make many, many positive and beneficial steps toward a correct standard of ethical conduct and the solutions are possible.

I will be forever grateful to Susan Taylor who willingly took on the task of looking for my mistakes and oversights.

## PREFACE

Why do you need to learn to make your own molded shoes, boots & sandals?

The answer is very simple.

I have been making MURRAY SPACE SHOE® molded footwear for almost 35 years.

I started learning the MURRAY SPACE SHOE® processes at the Bridgeport, CT factory in 1978.

Since that time, I have made each pair with my own hands.

I know of no other working molded shoe craftsman with comparable accumulated knowledge.

The art has survived to date. But, the older craftspeople are gone.

Now it is your turn to take up the challenge and learn to make your own molded shoes, boots & sandals.

As Chuck Suchy sings:

“Spread your wings

Simply fly”

It’s your turn to do something for yourself and others.

# BECOME AN ARTISAN LEARN TO MAKE YOUR OWN MOLDED SHOES, BOOTS & SANDALS

BOOK 1 SHOE FABRICATION TECHNIQUES

BOOK 2 BOOT & SANDAL FABRICATION TECHNIQUES

BOOK 3 CASTING METHODS & SPECIALTY FOOTWEAR

BOOK 4 CAST MODIFICATION

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# INTRODUCTION

Welcome to: BECOME AN ARTISAN

LEARN TO MAKE YOUR OWN MOLDED SHOES, BOOTS & SANDALS.

Please don't expect to become a master shoe, boot or sandal maker right away.

These books are an opportunity for all to learn to make their own molded footwear.

The goal of these books is to provide everyone with the knowledge to be able to make and ultimately wear molded footwear made to the shape and contours of his or her feet. It will take some study, dedication and persistence to develop the skills to make every pair of shoes, boots & sandals as nice as a master craftsman. But, everyone has to start somewhere.

These books will help you to acquire the skills as you look at the pictures and follow the steps of the process and methodology. You should get very good results even on your first attempt. Each succeeding pair should bring you more and more success, until you soon reach perfection.

Please be careful in whatever you do and how you do it. Think ahead about doing every step safely. Be especially careful when working with sharp instruments or power equipment.

It is all up to you to do everything correctly. Neither MURRAY SPACE SHOE® nor the author can be liable for what you do and how you do it, or for the products you make and/or wear.

The instructions and pictures in these books are examples of how the author performed the craft of making custom molded footwear for 35 years. I want you to be as successful as I have been. Always be careful and patient in performing all your tasks. If it doesn't turn out the way you want, smile, learn and do it over. You will succeed.

These books are also for every wearer so that they will know how much effort goes into making a good, comfortable, custom made molded shoe, boot or sandal made to fit the contours of the wearers feet. They will then have some knowledge and appreciation of the process that someone else has accomplished for them.

To all readers,

Best wishes in your endeavors.

Have courage.

The future is yours!

These books are about the original and current concepts of molded footwear, which was and is a process of custom hand lay-up of materials for each individual creation, using a bonding procedure.

These processes are very different from the industrial technology of machine molding of materials, as is used for production footwear manufacturing.

It is your responsibility to obtain MATERIAL SAFETY DATA SHEETS from the manufactures of all adhesive and latex formulations you want to use.

It is your responsibility to read the MATERIAL SAFETY DATA SHEETS to determine if those product formulations are acceptable to you.

You can use any alternative product or method you find acceptable.

You will have to do your own searching and testing.

You will have to source and procure your own materials and supplies. All necessary materials and supplies are common and available except for maybe latex and a few specialty items for which there are substitutes.

Sources for the few uncommon materials and supplies will be given in the books.

Shoe repair findings suppliers and craft stores either have, or can help you locate, almost everything you really need.

All photographs are the property of MURRAY SPACE SHOE®, Inc. and /or the author.

All rights are reserved and all reproductions are unauthorized.

Please don't copy any photographs in these books.

If you want a picture of something, make what you want yourself and then take your own photographs.

Become your own artist and photographer. It is your privilege!

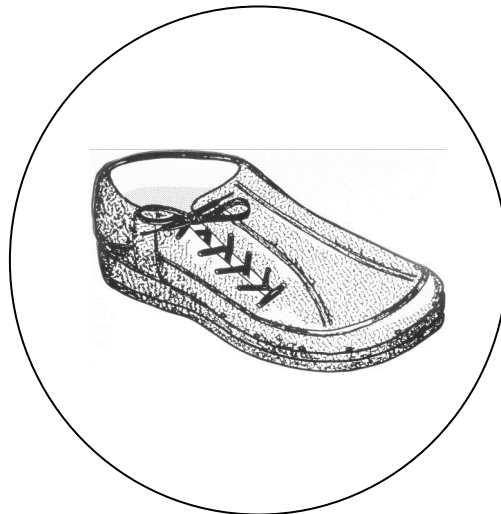
Be gracious and kind to others.

Your goodness will return to you.

**MURRAY**

**SPACE**

**SHOE**®



**THE WORLD'S FIRST MOULDED SHOE**

**MOLDED FROM PLASTER CASTS**

**OF YOUR FEET**

**Since 1945**

Part 1 Three fold brochure



### **WHAT IS A MURRAY SPACE SHOE®?**

If you go to any shoe store and look carefully at all the conventional shoes, you can find a style for nearly any purpose, but with one notable exception. Shoes that really fit your feet. Conventional shoes are just not made with YOUR foot in mind.

MURRAY SPACE SHOE®S are made to fit the shoe to the foot, not squeeze the foot into the space left over after the outside has been made to conform to the prevailing fashion.

The foot needs SPACE in which to function naturally and comfortably as nature intended. MURRAY SPACE SHOE® gives your foot SPACE where your foot needs it and that's what MURRAY SPACE SHOE® is all about.

### **WHY CUSTOM MADE MOLDED SHOES?**

Because the only way to get a truly three dimensional reproduction of the foot shape and size is by replicating the actual three dimensional form. And, then molding materials around that form in order to create the shoes.

It is this procedure which sets MURRAY SPACE SHOE® above all other custom made shoes in providing you with comfort. This three dimensional molding process can produce footwear to the contours of each foot, so that the inside of the shoes, boots and sandals accommodate every toe, every curve and every part of YOUR foot with the SPACE it needs.

### **COMFORT AND CRAFTSMANSHIP**

We take plaster casts of YOUR feet. YOUR shoes are made around plaster replicas of YOUR feet.

Only one craftsman makes YOUR shoes from taking the plaster cast to fabrication and fitting of YOUR shoes. At MURRAY SPACE SHOE® we believe that proper servicing of customers begins and ends with the



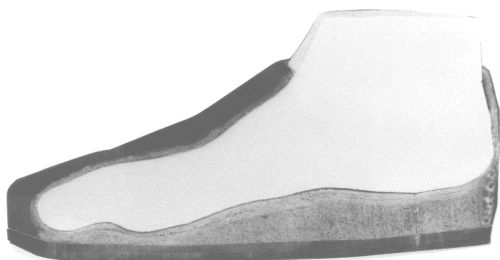
# “NATURALLY BETTER FOR YOUR FEET”



Replica of foot



MURRAY SPACE SHOE®



Inside view

craftsman communicating directly with the customer. The MURRAY SPACE SHOE® is not made on a production line. Everything is custom made and molded by one craftsman.

Our patented process brings you a shoe that is not just ready to wear, but ready for you to complete. Because the process ends with your feet as it began. The shoe is constructed so that it is still sensitive to the dynamics of your foot. As you wear them, they become more and more uniquely your own. This gives you a shoe with the infinite number of modulated curves which are characteristic of the human foot. This is the MURRAY SPACE SHOE®. It knows no other description than comfort and craftsmanship.

## YOUR FEET ARE VERY IMPORTANT!

No one thinks about their feet until they hurt or about shoes until they wear out. Day after day our feet push and stretch the leather of our conventional shoes trying to become comfortable, with the result that both your feet and shoes gradually become distorted. So you buy a new pair of shoes. BUT, WHAT ABOUT YOUR FEET?

MURRAY SPACE SHOE®S don't distort your feet nor do your feet ruin your shoes. The result is a shoe that lasts about three times longer than conventional shoes. The MURRAY SPACE SHOE® may be the most comfortable shoe available. They can be resoled many times and sometimes even be re-leathered for extended life. So why stand for uncomfortable shoes any longer? When you wear MURRAY SPACE SHOE®S you will work better and play better because YOUR feet feel better.

## EXPERIENCE COMFORT FOR YOURSELF

Once you put on your new MURRAY SPACE SHOE®S,  
you will realize that they are not just another pair of  
shoes. In fact, you may never wear any other shoe!!



**HUMBOLDT**

**JET BOOT**



**PLAIN**

**MOCCASIN**



**BASIC**



**ALLEGRO**



**LEILANI**



Call for information and appointment.

**MURRAY SPACE SHOE®**

P.O. BOX 206

17058 COUNTY ROAD 57

GUINDA, CA 95637

**530-796-3333**

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**MURRAY SPACE SHOE®**

**P.O. BOX 206**

**17058 COUNTY ROAD 57**

**GUINDA, CA 95637-0206**

**530-796-3333**

## **Why MURRAY SPACE SHOE®S ?**

Because custom made naturally shaped footwear is very comfortable. The most comfortable shoes in the world are naturally shaped footwear which take into consideration the shape of your foot inside the shoe. This is the only way to have truly comfortable shoes, hiking boots and sandals which feel good whenever you wear them.

The idea is relatively simple. But, where does one find naturally shaped footwear?

The most comfortable footwear is usually not found pre-made in a store. The most comfortable footwear is usually almost always obtained from a custom shoemaker. The art of crafting custom made shoes is acquired with experience. And, to create a naturally shaped shoe the shoemaker needs to know the unique process of taking plaster casts of the feet.

A major part of the success of the comfort of MURRAY SPACE SHOE®S is found in the taking of a proper cast of the feet. The finished footwear is only as good as the quality of the cast of the foot, which is a three dimensional form-replicating procedure.

The MURRAY SPACE SHOE® shoemaker takes time to do a very good job of casting your feet. Everybody's feet are uniquely different. No one particular technique of casting will properly replicate ever person's foot properly. But, the MURRAY SPACE SHOE® shoemaker has the experience to accommodate the best technique for the individual customer so that the best possible shoes, boots and sandals can be made.

The MURRAY SPACE SHOE® shoemaker takes time to talk directly with the customer and listen to his or her special needs in order to provide the customer with quality service from start to finish.

Therefore, it is imperative for you to visit with your MURRAY SPACE SHOE® shoemaker for your casting and to place your first order. This is absolutely necessary for us to make the finest of custom made footwear for you.

Each pair of shoes has to be made around individual reproductions of the feet. No two pair of shoes are exactly alike because no two people are exactly alike. In fact, many people have two slightly different feet. Individual foot casting solves the problem because each shoe is fabricated to the measurements and contours of each foot.

Alan E. Murray, the inventor of the MURRAY SPACE SHOE®, was a professional ice skater and instructor. In spite of his two broken legs, he stuck with skating for more than 20 years. He sampled all sorts of various makes of shoes on the market, but corns, calluses, hammer toes and falling metatarsal arches persisted, and so he began to search for "foot health". His first inspiration came to him while he was sitting in a dentist's chair having a mold made of his tooth. Why could he not make a shoe from a mold or cast of the foot?

So, began years of experimentation and trial and error before he arrived at the process that is now used to get a mold or cast of the foot. Then he was able to make a shoe "to fit the foot" or as Mr. Murray first called it, the IDEAL SHOE.

Both Mr. Alan E. Murray and Mrs. Lucile Marsh Murray learned through experience that shoes which provided stability, were properly aligned and provided space for the feet to function as nature intended really helped to contribute to their overall comfort. That is why they were so enthusiastic about their shoes—MURRAY SPACE SHOE®S.

It is counter productive to squeeze feet into arbitrarily lasted shoes. The shape of the feet must dictate the shape of the shoes. That is why MURRAY SPACE SHOE® shoes, boots and sandals are built from the inside outward.

There is nothing more comfortable than naturally fitting custom-made molded footwear. You will feel better, work better and play better!

If you want to experience real foot comfort, you must come visit MURRAY SPACE SHOE® to place your first order. There are no exceptions.

We use the best leathers, fabrics and materials we can obtain for our type of work. We have a wide range of colors and we assist you in selecting the best leathers, fabrics and materials for your particular needs and desires.

Generally, we recommend people should start out with a Basic, Plain, or Mocccasin style shoe as they give maximum support and also are the least expensive.



**BASIC**



**PLAIN**



**BASIC (VENTILATED)**



**MOCCASIN**

More MURRAY SPACE SHOE® footwear pictures of additional styles can be viewed on our websites which can all be accessed from [www.murrayspaceshoe.com](http://www.murrayspaceshoe.com) homepage.

When you are ready for an appointment please call 530-796-3333.



# MURRAY SPACE SHOE®

P.O. BOX 206

17058 COUNTY ROAD 57

GUINDA, CA 95637-0206

530-796-3333

## ANSWERS TO FREQUENTLY ASKED QUESTIONS

Q. Do I need to come visit you to order footwear?

A. Yes, you must come to visit the MURRAY SPACE SHOE® SHOEMAKER to place your first order. We do not accept casts from anyone else. You have to be casted by the same craftsman who will make your shoes, boots or sandals. You and your feet are important. We believe in direct one to one communication so that you can receive the highest quality service possible and the finest footwear.

Q. Will you accept foot casts made by someone else?

A. We will not accept foot casts made by anyone. We only use casts (more correctly called “lasts”) made by us. We are making custom made footwear for you. We want to see you and your feet. We want to go over any details directly with you. There is no benefit to interference or miscommunication with a third party. We want to take responsibility for what we do. We want to be able to do our best for you.

Q. Are you the only makers of MURRAY SPACE SHOES®?

A. Yes, we are the only makers of MURRAY SPACE SHOE® footwear. Our processes are very unique. Our desire is to provide each person with the best custom made footwear we can make so that they can experience the comfort and pleasure of wearing MURRAY SPACE SHOE® shoes, boots and sandals.

Q. Are MURRAY SPACE SHOES® good for walking?

A. Yes, MURRAY SPACE SHOES® are excellent for walking and hiking because the shape of your feet are used to make the inside shape of your shoes, boots and sandals. The contours of your feet are inside your shoes, boots and sandals. The roundness of your heel, the contours of your arch, the size and shape of your feet in all three dimensions are all built into each pair. Your feet will be walking or hiking in a pattern of themselves. This is the key to the comfort of MURRAY SPACE SHOES®. This is why we cast your feet before we make your footwear.

Q. Can I have my foot casts?

A. You can't have your foot casts. We do not charge for casting. The cast we take of each foot is a three dimensional negative form of measurements. We pour up and use a positive cast (the positive cast is more correctly named a “last”). All MURRAY SPACE SHOE® shoes, boots or sandals are made according to processes developed by Mr. Murray. The positive cast is a culmination of intellectual property rights developed by the shoe, boot or sandal artisan using proprietary trade secrets. Therefore, we don't give away our casts (lasts) to anyone. We charge only for the making and repair of footwear.

Q. Are MURRAY SPACE SHOE® footwear orthopedic, prosthetic or therapeutic?

A. NO! These are medical terms which express, imply or claim some type of correction, cure and/or healing attributes. MURRAY SPACE SHOE® molding methods only accommodate foot shape and three dimensional size for a good fit and comfort. If you need or want medical footwear, please, go to a medical footwear provider. The MURRAY SPACE SHOE® is not for everyone. We can't fix or resolve any physical problems or health issues. We are not medical providers.

Q. What is specialty footwear?

A. Specialty footwear is any shoe, boot or sandal which requires changes from our normal and simple styles. Any design changes, changes in materials, modifications or non-standard color selection are considered to be specialty orders. Therefore, it is important for the customer and artisan/footwear maker to agree upon changes at the time of order.

Q. What do I do when I need repairs?

A. Send your shoes, boots and sandals back to us. We repair the footwear we make. And, because we know exactly how we made them, we can do a much better job of keeping your MURRAY SPACE SHOE® shoes, boots and sandals in good condition.

No California state sales tax applies for products shipped out of California. California state sales tax does apply when products are delivered in California except: when prescribed by a doctor. MURRAY SPACE SHOES® qualify as “CUSTOM MADE BIOMECHANICAL FOOT ORTHOSIS” because they are made on a positive model of the individual patient’s feet and are considered “MEDICINES” as defined by State Board of Equalization Regulation 1591 and Annotation 425.0295.

Therefore, MURRAY SPACE SHOES® are exempt from California Sales Tax, if the customer has a prescription from a licensed physician or podiatrist. The prescription **MUST** include the words “**CUSTOM MADE BIOMECHANICAL FOOT ORTHOSIS**” in order to qualify.

Prescriptions may say “for life” or any other period of time which the doctor determines that the patient will require “CUSTOM MADE BIOMECHANICAL FOOT ORTHOSIS” as a treatment of the diagnosed condition

Since 1939 MURRAY SPACE SHOES® have been custom made on positive model’s of the wearer’s feet because proper form and space contribute to better comfort.

Webster’s new world college dictionary 2010 explains “SPACE SHOE” as a custom shoe molded to the contours of the wearer’s feet.

Mr. Alan E. Murray was the inventor of the concept and process of individually casting the feet and molding footwear to the shape of each person’s individual foot. MURRAY SPACE SHOES® have been found beneficial to many customers. But, due to physiological and biomechanical circumstances beyond our control we cannot guarantee shoes. We will do our best. We are dependent upon good communication by each and every customer.

There is a one-half non-refundable deposit on all footwear. We do not accept credit or debit cards. There may be a charge for adjustments after 30 days. Shipping charges will be paid by the purchaser any time shoes are returned for adjustment or repair.

MURRAY SPACE SHOE® has been making naturally fitting custom made molded footwear for many years. If you would like to know more about our unique shoes, boots and sandals please look at: [www.murrayspaceshoe.com](http://www.murrayspaceshoe.com).

Please call 530-796-3333 to schedule an appointment.



**MURRAY SPACE SHOE®**

P.O. BOX 206

17058 COUNTY ROAD 57

GUINDA, CA 95637-0206

530-796-3333

## WEAR AND CARE OF YOUR SHOES

Welcome to the world of the MURRAY SPACE SHOE®. This new world is one where you put your feet first. So, there are a few simple rules to follow when you first put on your shoes. Please wear your shoes immediately and don't put them in the closet.

MURRAY SPACE SHOE®S are made in such a way that your feet finish the last phase of our molding process. So, your shoes need your feet. Wear them right away! And, follow these instructions.

1. After slipping your feet into your shoes rest the heel of your shoes on a stool and lift up the front of the shoes. This position helps to place your heel all the way into the back of your shoes. Now you can tighten the laces. The first few days the laces may need to be adjusted several times. Afterwards the laces will take a set and be very comfortable.
2. Now, give the shoes about 100 hours to become fully molded to your feet. Both you and your shoes need time to completely adjust to each other because your feet are beginning to react to a new three dimensional shape. When you follow these instructions and let them adjust, you will be on the road to real comfort.
3. Wear your shoes one hour the first day (that is the day you get them, if possible), two hours the second day, three hours the third day and work up one hour per day for a week. There are good reasons to follow this slow, but sure procedure. Basically, the foot through heat and movement does the final forming of the shoes. It is a good idea to check your feet after taking off your shoes for the first week, just to make sure everything is functioning ok. This wear-in process takes between 20 and 100 hours. It should be done in a way which increases your comfort each day you wear your new shoes.
4. We recommend our elastic laces because they don't cut off circulation. They have the flexibility to meet the needs of your foot as it moves.
5. We recommend cotton socks or stockings for your comfort.
6. Keep your shoes polished with a good paste polish, such as KIWI® or LINCOLN® at least once a week.
7. You can wash out the inside of your MURRAY SPACE SHOE®S, if necessary. But, be careful not to overdo the process with too much water or alcohol (alcohol is best because it dries quickly). If your shoes get really wet, let them dry naturally. When they are dry polish them.

Proper repairs will insure a long life for your shoes. We can't recommend your local cobblers because we don't know the quality of their work. Our repairman understands our shoe-making process. We have the right materials and tools to repair your shoes without damage. We stand behind our work. Our repairman recommends that you not let your soles wear down too far. We suggest that you have repairs made as soon as you wear down the first layer of outer soling (even if it is just at the heel or toe). We will provide adjustments free of charge for the first 30 days.

Please call us if you have any questions. We want you to enjoy your MURRAY SPACE SHOE®S.





PLAIN



ALLEGRO



MOCCASIN



LEILANI



BASIC



DIANA



BASIC (VENTLATED)



CAROL



# MURRAY SPACE SHOE®

P.O. BOX 206

17058 COUNTY ROAD 57

GUINDA, CA 95637-0206

530-796-3333

## WEAR AND CARE OF YOUR MURRAY SPACE SHOE® HUMBOLDT HIKING BOOTS



Your MURRAY SPACE SHOE® hiking boots are unique because each boot has been form fabricated to the individual needs of each foot.

Upon putting your feet into your boots, raise the toe of the boot and lightly press or tap the heel against the floor or ground to make sure your heel is all the way back into the boot.

Let the tongue bunch on top of the side leather and let it fold under the laces. Avoid tucking the tongue under the side leather. When properly folded (bunched), the tongue provides cushion underneath the laces.

Pull laces to sides as you tighten them from the bottom up. Avoid pulling the laces outward (forward) away from yourself as that direction could over-stress the speed lace rivets if you are too powerful. Gently firm the laces into their desired positions.

At first the laces will need to be adjusted repeatedly for a week or so until they get used to being set in a regular position. After a week, the laces will be fairly easy to adjust very quickly.

Wear your boots one hour the first day (that is the day you get them, if possible), two hours the second day, three hours the third day and work up one hour per day for a week. There are good reasons to follow this slow, but sure procedure. Basically, the foot through heat and movement does the final forming of the boots.

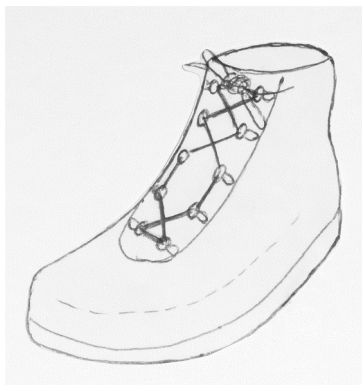
Check your feet after taking off your new boots for the first week, just to make sure everything is ok. This wear-in process takes between 20 to 100 hours and should be done in a way which increases your comfort each day you wear your new hiking boots. This process can't be completed in the closet. Please take time to make friends with your boots before taking a 50 or 100 mile hike with a heavy back pack.

Wearing good socks can increase your hiking comfort substantially. There are no set rules. There are only recommendations and every hiker has to test and find what really works for them. When on long hikes, we recommend you change socks at least every two or three hours. Wear a pair on your feet and let one pair hang on the outside of your pack to air dry.

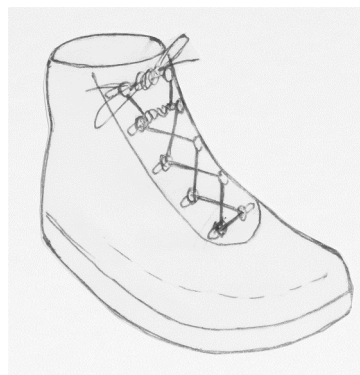
Wearing a inner sock can also add to your comfort. Some people like to wear a thick pair at the beginning of the day and change to a thinner pair, if feet begin to swell. You can also pull out a layer of inserts if you need extra room inside your boots. This is a very good option when you want to wear really thick winter socks and/or multiple layers of socks.

Sometimes you may want to change the pattern of lacing to adjust for certain activities like a lot of climbing or downhill trekking. Two alternative lacing patterns are:

Skip lacing, which takes pressure off sensitive areas.



Double lace wrapping, which can be used to have one area of laces either tighter or looser.



We are interested in providing you with a very comfortable pair of hiking boots. We will provide adjustments free of charge for the first 30 days. Therefore, we recommend that you begin to wear your new boots as soon as possible.

We recommend that you keep your boots clean when not in use. Normal water and wetness should not hurt them. They should be allowed to air dry naturally (heat will shrink wet leather as it will dry too fast).

A light recoating of McNett® waterproofing gel is usually adequate (when the boots are dry). When the waterproofing gel is dry, you may apply polish as desired. Kiwi® and Lincoln® paste waxes from the can are still the best. We recommend McNett® Freesole® for seam sealing, overnight sole repair, leather cut repair or for making toe bumpers. One little tube on the trail can be very convenient.

If you take care of your boots, they will give you good service. If you need repairs, send them back to us. We will do our best to keep them in good useable condition for you.

[www.murrayspaceshoe.com](http://www.murrayspaceshoe.com)

[www.comfortable-custom-hiking-boots.com](http://www.comfortable-custom-hiking-boots.com)

530-796-3333

One of the best ways to learn how to do something is to watch someone else perform the task and then do it yourself. Learn by watching and doing.

Still photographs are an excellent medium for observing step by step how something is accomplished. Still photographs with short descriptions have several advantages. They allow better recognition of content and they are easier and faster to understand because we can focus our attention on one event at a time at our own pace. Therefore, we usually see things more clearly, comprehend more fully, and retain what we learn much better. Still photographs also provide for easy and quick follow up and reference.

These photographs are the next best way to see and learn the art of molded shoe, boot & sandal making without being on location in person, watching a craftsman show you their skills.

I sincerely hope that everyone who attempts to make their own molded footwear using these procedures, will become very successful and enjoy their adventure.