

# Mail Order Prosthetics

David Nielen, CPO(c)  
Ottawa Hospital  
Rehabilitation Center

## The Winkley Artificial Limb Co.

Largest Manufactory  
of  
Artificial Legs in the World.

PATENT ADJUSTABLE  
DOUBLE SLIP SOCKET.

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TO CHAFE THE STUMP.**

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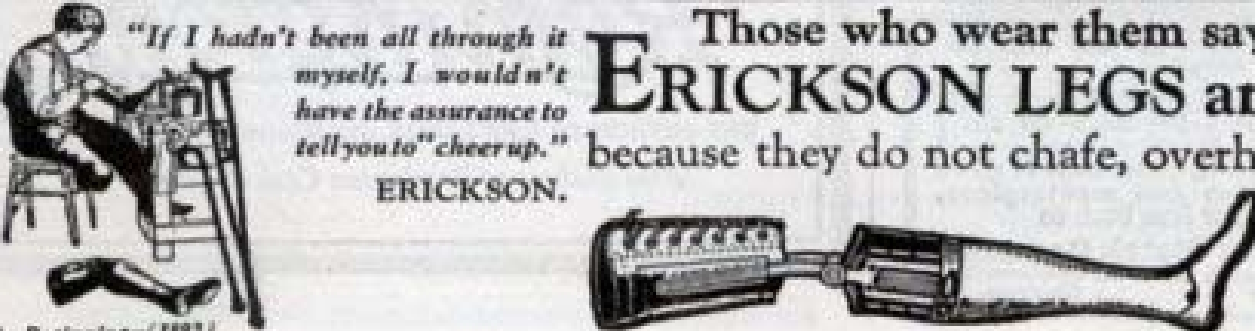
**MINNEAPOLIS. MINN.**



Prof. H. C. Pierce.

# Acme Limb

- Order by mail with measurements
- Available to consumer direct



*"If I hadn't been all through it myself, I wouldn't have the assurance to tell you to "cheer up." ERICKSON.*

Those who wear them say:  
**ERICKSON LEGS** are **Wonderful**  
because they do not chafe, overheat or draw end of stump.

If you have had a recent amputation and for new booklet on **TEST LEGS** for beginners.  
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MINNEAPOLIS • MINN.

*The Beginning—(1911)*

# Newer Methods

- ICRC Red Cross approach
- Various aid agencies, volunteer organizations...
- Central fabrication services around the world
- Niagara Prosthetics method

# Our experiences

- CIDA Afhganistan
- CIREC Colombia
- Healing Hands for Haiti

# First Contact

- Healing Hands  
CJOH TV interview



Monday, February 2, 2004.

Mr. David Neilen  
Prosthetic Clinic  
Rehabilitation Centre  
Ottawa General Hospital.

Dear Mr. Neilen,

Several weeks ago I saw you on the CJOH noon news report. You were preparing to go to Haiti to help the people there with prosthetic needs. After being there I'm sure you are now quite familiar with the overwhelming needs in these third world countries! My husband has been on three missions trips to Haiti in the past three years, so we are aware of these needs as well.

Last March (2003) I had the privilege of going to Kenya for three weeks. Twelve of those days I spent in the northern desert area ( 55 degrees Celsius everyday!) working at a medical mission with a friend of mine who has been there for twenty years. We saw incredible poverty and sickness, but that is a whole other story. The reason I am writing to you is to tell you about a man we met while we were there, his name is Joseph. He lost his left leg in a tribal conflict some years back and has been "fitted" with a prosthesis that is now quite old and dilapidated. I have sent you a picture so you would be able to "see" what I am talking about. Joseph is a proud Turkona man. He walked faithfully, two kilometers each day to help us at the clinic. He kept order to a sometimes very confusing day and was a great inspiration to us all. He has been having a lot of trouble with his prosthesis. It does not fit properly over his stump and slides around a lot causing very painful ulcers. He wears thick socks over the stump trying to protect it, but this adds even more problems with sores etc. I was wondering if it would be at all possible for you and your staff to create a better prosthesis for this dear man. I would be willing to do the fundraising needed to pay for it, if you would be willing to make it. If this is something you would consider, I would need to know the information you would need ie. measurements etc. to accomplish this task. I would then have to contact my friend and get this information for you, which in itself will take some time because she is so remote. We would then be able to make arrangements for the prosthesis to be taken to Joseph by someone who is going to Kenya from Canada and can deliver it to Namuraputh. (the name of the small village where they live). I would look after making these arrangements. I know this seems like a huge task, you agreeing to it, the making of it, getting the money to pay for it, getting it delivered to Joseph, but I really feel in my heart it can be done!! With kind hearted people like you (who I know are, because of your recent trip to Haiti, the poorest of the poor countries) this can be an incredible way for all of us to help a fellow human being be blessed!

My name is Eleanor Merkle. I have been a Registered Nurse for 28 years. I work at the Winchester District Memorial Hospital in Winchester, Ontario on the maternity ward. You can contact me at the following address: 6590 Princiotta St.

Greely, Ontario  
K4P 1G1

Or at 1-613- 821-1644

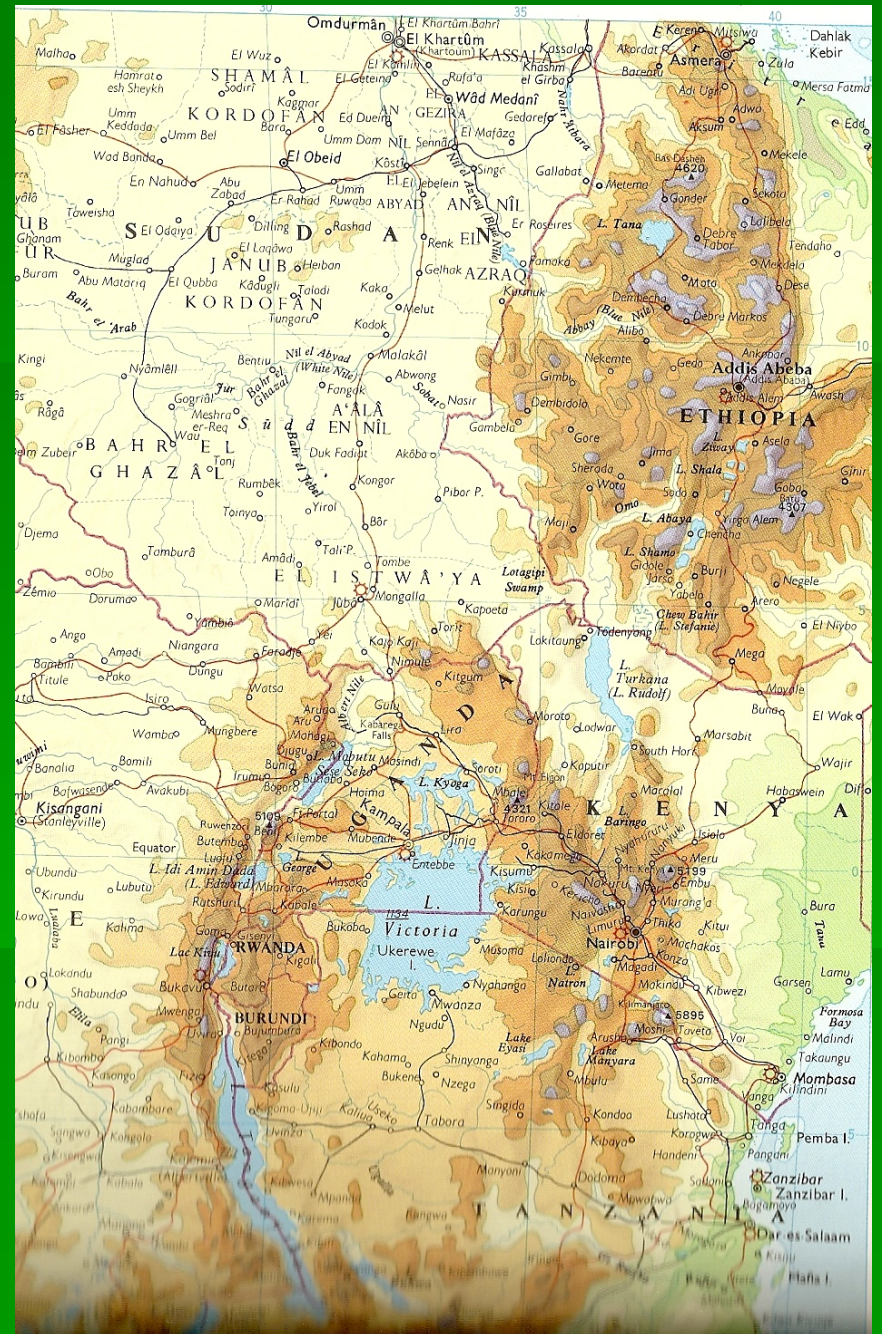
Thank you Mr. Neilen for your consideration into this project. I look forward to hearing from you either way.

Yours very sincerely,

*Eleanor Merkle*  
Eleanor Merkle.

# Remote

- Humidex?



# Cast and Measurements

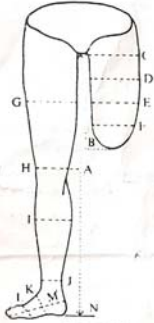
- Plaster negative model
- Measurement form

REPUBLIC OF KENYA—ORTHOPAEDIC CENTRE, NAIROBI

**MEASUREMENT FORM FOR ARTIFICIAL LEG**


NFD 166

ORDER No. \_\_\_\_\_  
DATE 19/12/2004




**STUMP LEG ABOVE KNEE**

	Right	Left
Around at C	C	C
" D	D	D
" E	E	E
" F	F	F
Perineum to end of Stump B	B	B
Diameter, Knee Joint H	H	H




**STUMP LEG BELOW KNEE**

	Right	Left
Centre Knee Joint to end of Stump Leg B	B	20 cm
Around Thigh C	C	41 cm
Around just above Knee D	D	32 cm
Around just below Knee F	F	31 cm
Around largest part of Calf or Stump Leg G	G	28 cm
Around 2 inches above End H	H	26 cm
Diameter Knee Joint E	E	12 cm



**SOUND LEG**

Perineum to Floor	A N
Centre Joint to Floor	H A N
Around Thigh	G
Around Calf	I
Around Ankle	J
Around Instep	K
Around Ball of Foot	L
Length of Foot	M
Top of Knee to Floor	O



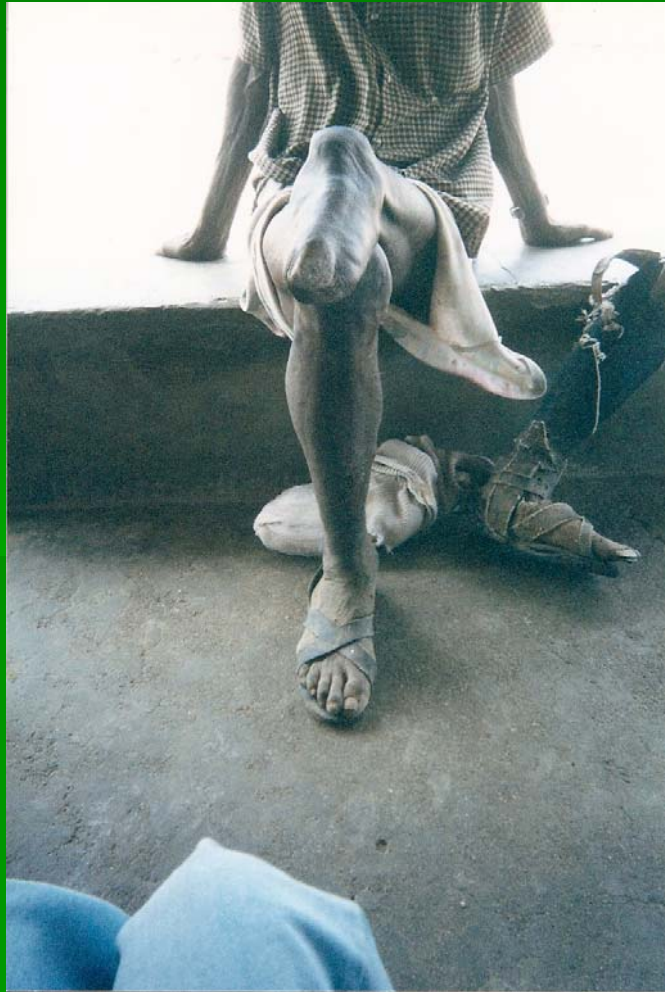
**SOUND LEG**

	Right
Centre Knee Joint to Floor	A 50 cm
Around Calf	J 39 cm
Around Ankle	K 27 cm
Around Instep	L 30 cm
Around Ball of Foot	M 25 cm
Length of Foot	N 32 cm
Top of shoe to Floor	O 60 cm
Diameter of Knee Joint	I 40 cm

Name JOSEPH LOMBOK TITA Type of Leg Required STUMP LEG Below knee Remarks Sensitive tip of stump  
JAIPUR  
 Address BLACK iron Colop  
NAMERUDITH  
 MEASUREMENTS TAKEN BY: Concepta SIKHU Signature

GPX 121

# Limb condition







# Gait snapshots

- The long walk to work



# Fitting

- Cuff suspension, thermof foam liner
- Endo components, SACH foot
- Fit kit, leather bits and glue, extra socks

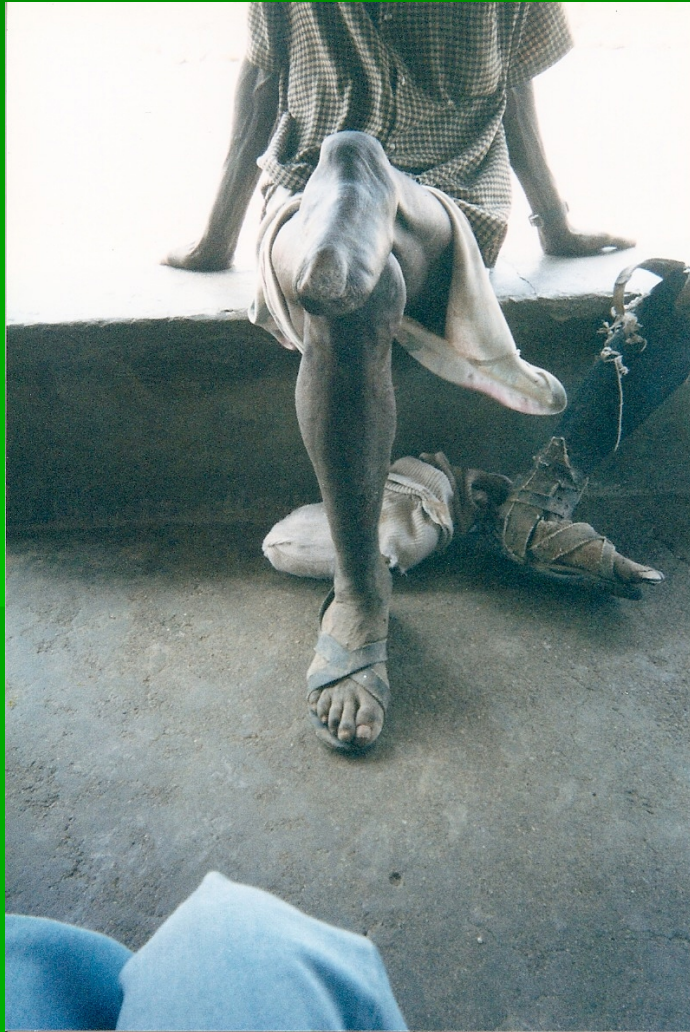


# Five years later

- Broken foot, replaced with Carbon Copy foot



# Limb condition before & after





WalkingForward