# The Hand Truck Company, LLC Business Plan 

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Judith Kochevar<br>Owner<br>Pueblo, Colorado 81006<br>judy@thehandtruckcompany.com (719)671-3566

THIS BUSINESS PLAN DOES NOT CONSTITUTE AN OFFERING OF SECURITIES IN ANY JURISDICTION.

## EXECUTIVE SUMMARY

The Hand Truck Company, LLC, located in Pueblo, Colorado, develops innovative hand trucks and straps primarily for commercial use.

## Problem

An individual cannot handle and move oversized material (over four feet in length) such as plywood, mattresses, furniture, and other building material efficiently, safely, and effectively. A person delivering/handling product wastes time maneuvering products in tight spots.

## Hand truck 360 Solution

The Hand Truck 360, designed and patented by Richard Cortese, allows push/pull and left/right movement via independent operation of each wheel with hand levers. It allows movement of products in tight areas and through regularsized doorways. No other hand truck available in the market allows steering and easy movement of product.

The Attachit Stabilizing Strap with a retractable or non-retractable ratchet, provides a solution to securely strapping objects onto the hand truck. It can be sized for use on the Hand Truck 360 as well as other manufacturers' hand trucks. There is a provisional patent on this product.

## Ownership

Judith Kochevar is sole owner of The Hand Truck Company, an "S" corporation.

## Funding

Richard Cortese used his personal funds to secure the original patent. Judith Kochevar has used her personal funds for the provisional patent application on the Attachit Strap, the engineering and manufacturing costs for the hand truck, strap prototypes, and demos. She has also used her funds for any additional start-up expenses.

Cash flow based on product orders will primarily finance the company's growth.

Kochevar expects to maximize the company's attractiveness to an established manufacturer of hand trucks via product licensing or sale of company/patents. These companies will be approached once The Hand Truck Company's regional customers' applications and sales are established.

## Sources and Uses of Funds

The owner will provide $\$ 5,000$ for initial expenses and cash flow will be used to pay insurance, manufacturing, and marketing costs.

## Use of Funds

| Product Liability Insurance--start-up | \$10,000/year |
| :--- | :---: |
| Legal Fees--Patent Expenses for strap | $\$ 4,000$ additional |
| Accounting--setup and bookkeeping | $\$ 1,500$ |
| Marketing--start-up | $\$ 9,100$ |
| - Video |  |
| - Promotional Material |  |
| - Website |  |
| - Sales Travel |  |

## COMPANY DESCRIPTION

The Hand Truck Company, Inc., distributes innovative hand trucks to move products and increase productivity within various commercial industries. The company worked closely with Krage Manufacturing of Pueblo, Colorado to manufacture its prototypes and demos. The Hand Truck Company contracts with Industrial Manufacturing \& Machine in Commerce City, Colorado, to make its initial manufacturing runs of the hand truck.

The Attachit Strap will be available for attachment to the Hand Truck 360 as well as other companies' hand trucks. Its initial runs will be made in Pueblo, Colorado, by local manufacturers.

The Hand Truck Company is home-based.

## Development to Date

Richard Cortese designed and patented the multi-directional hand truck. He assigned the patent in August, 2010, to Judith Kochevar, owner of The Hand Truck Company.

The Hand Truck 360 is ready for limited distribution.

## Legal Status and Ownership

The Hand Truck Company is wholly owned by Judith Kochevar. She will pay Richard Cortese a royalty of \$5 per unit sold and \$3 per strap sold.

In the event of the patent, products, or company being sold, Cortese and Kochevar have the right to negotiate their own terms.

## Business Model

The company business model is based on:

- using a contract manufacturer to manufacture and assemble the hand truck
- selling directly to commercial customers (any business that distributes products-restoration companies, furniture companies, movers, etc.)
- using distributors to sell the hand trucks and straps to their customer base
- customizing the product according to the needs of each distributor or highvolume customer
- using only contract employees
- offering add-on products to increase product flexibility for customers and for increased revenue


## Products

There are three versions of the Hand Truck 360. The initial product offered is the Hand Truck 360 Middle Man Edition. Other products will be made available later upon demand.

The patent is for the turning device that can be tailored to most existing hand trucks. Once The Hand Truck Company determines the most viable markets and generates sales in these markets, the turning devices will be made available to interested existing hand truck companies for sales or licensing.

The Attachit Strap will be attached to the Hand Truck 360 with potential sales to existing manufacturers for their hand truck models.

Please refer to pictures of the product on the following page. The products to be sold are:

| Product | Wheel Diameter | Capacity |
| :--- | :---: | :---: |
| Hand Truck 360 Home <br> Edition | $8 "$ | 200 lbs. |
| Hand Truck 360 Middle <br> Man | $8 "$ | 400 lbs. <br> New design of plate will <br> allow for more weight |
| Hand Truck 360 <br> Industrial | 10" (with pneumatic <br> wheels) | 600 lbs. |

## Patents

Patent \# 7,464,947B2 was granted to Richard Cortese for the mechanism on the Slider-D hand truck (now Hand Truck 360) in December 2008. It will expire in December, 2028.

The provisional patent application for the Attachit Strap was made in August, 2013. If sales are promising, a utility patent application will be made by May, 2014. The provisional patent protects the design for one year.

## Direct Distribution of Products

The company owners created the business model primarily to market directly to the commercial customer, providing greater profit margins. Distributors will be used as warranted.


## Revenue Stream

Revenue will be generated from direct sales. Keeping operating expenses to a minimum will provide a higher return on sales.

In 2014, revenue is projected at $\$ 176,000$ with a profit expected in the third quarter.

## Break Even Analysis



Based on an average selling price of the hand truck/14" strap at $\$ 460$ per unit and the $\$ 49$ selling price of the $10^{\prime \prime}$ straps and Year 1 costs, it is anticipated that the break even point will occur at sales of approximately 130 hand trucks and 130,10 " straps.

## PRODUCT DESCRIPTION

## Background

While working on a home improvement project, Richard Cortese had to transfer 4'X 8' sheets of plywood from the garage into the storage shed in the back yard. Using a hand truck, Cortese tried to move the plywood by himself out of the garage and through the gate on the side of the house. Because of obstructions within the garage and the fact that the gate wasn't wide enough for the plywood to get through on his basic hand truck, Cortese had to hand-carry each individual sheet of plywood out of the garage, through the gate, along the side of the house, and finally into the storage shed.

After this ordeal, Cortese, an industrial engineer, wondered if there was a hand truck/dolly on the market that would allow someone to move the plywood singlehandidly. After checking in hardware and home improvement stores and researching on the Internet, Cortese found that there was no such hand truck with a two-wheel right/left configuration available.

## Product Comparisons

The current hand truck manufacturers do not provide similar products. The majority of products from these manufacturers are differentiated by material, wheel type, handles, attachments, etc., but not by direction of movement. An Australian company, Rotacaster, has made inroads into the multi-directional hand truck market by using wheels that move in different directions. They introduced their products into the United States in 2012.

## Price Comparisons

There are no competitors with like products, so any price comparisons are not accurate. A specialty hand truck able to move up to at least 400 pounds ranges in price from approximately $\$ 135$ to over $\$ 500$ depending upon construction, type of wheels, and projected use.

## Test Market/Product Benefits

The Hand Truck 360 was test-marketed for three years by a ServiceMaster franchisee in Las Vegas, Nevada. The company owner, Randy Roberts, and his employees continue to use it on a daily basis to move furniture, appliances, sheet rock, etc. The owner suggested modifications to the body of the hand truck that enhanced its usefulness to his business. These changes have been incorporated into the Hand Truck 360. In addition, Roberts provided the following observations on the use of the Hand Truck 360 versus a standard hand truck:

- increased productivity (example: saves approximately $25 \%$ of labor)
- increased flexibility/mobility in handling (mattresses or sheets of plywood can be handled by one person)
- two-in-one design/multi-purpose operator movability (no need to have any other basic hand truck)
- reduced possibility of physical injury to employees
- just makes the job easier

Roberts suggested some type of strapping device for the Hand Truck 360, so Richard Cortese made a prototype that is now called the Attachit Strap. It is metal rectangular aluminum tube that is adjustable, spring-loaded, and attachable/detachable. A ratchet with a strap is attached to the tubing. Please refer to the picture on the following page.

# Attachit Strap <br> Hand Truck Retractable Strap Safely Secure Your Load 

*Attachable (works on
many types of hand trucks
*Removable
*Stabilizing
*Spring loaded
*Securable
*Saves time and effort
*Easy to use

*Reversible (secure your load vertically or horizontally)
*Safe (made with steel)

## Future Products

If the current owner keeps control of the company, it is anticipated that various product designs and add-ons will address the needs of building contractors, movers, delivery personnel, and warehouse owners/managers. If the product is licensed, hand truck manufacturers would adapt the turning device and strap to their products.

## Quality Control

Area manufacturing and assembly by an established engineering company assures that each product is properly inspected for quality. Richard Cortese works closely with the manufacturer.

To assure customer satisfaction, The Hand Truck Company, LLC, offers the following for its customers:

- A one-year limited warranty for its hand trucks and attachments (for products that have not been altered or abused)
- Outstanding customer service
- Product liability insurance in the amount of $\$ 1$ million per incident


## Legal Considerations

Judith Kochevar holds U.S. patent \# 7,464,947B2 (for additional patent information, please refer to the Appendix). A patent attorney is available to protect the patent from infringement.

## OPERATIONS PLAN

The Hand Truck Company, LLC, operates as a low-cost, low-overhead company that will be positioned well for doing business in the $21^{\text {st }}$ century. The benefits of a low-overhead company are:

- A lower cost operation with no employees (no benefits, government paperwork, workman's comp, etc.)
- Minimal inventory with a just-in-time inventory at the manufacturer's location
- Initial contracting of operations functions (accounting, bookkeeping, sales and marketing, engineering).
- Higher profit margin
- Direct sales to end users
- Distributors used as necessary
- Focus on key players in key industries with opportunity to build long-term relationships


## MARKETING PLAN

## Competition

There is no direct competition to the Hand Truck 360 or the Attachit Strap. Five large manufacturers of hand trucks in the United States dominate sales. The large manufacturers are:

- Harper Trucks, LLC (Ruffin Companies)
- Magline LLC (specializes in route distribution solutions)
- Milwaukee Hand Trucks (Gleason Corporation)
- Valley Craft (Liberty Diversified Industries/provides customized solutions)
- WESCO Industrial Products LLC

There are also several regional hand truck manufacturers (Dutro, B\&P) throughout the United States. Most of these are niche players specializing in particular industries such as food or beverage distribution.

Each of the above-mentioned companies is:

- privately owned
- established, with most of the companies over forty years old
- part of a larger corporation or conglomerate
- an American company with some products manufactured in the United States

Harper Trucks is the largest hand truck manufacturer in the world. The company makes one of every three hand trucks sold in the United States, achieving a twenty percent annual growth. Harpertrucks.com website 2/14/13

Product Comparisons

| Company | 2:1 <br> Functions | Side <br> Movement | Limited- <br> Space <br> Movement <br> (ability to <br> steer) | Hand-level <br> Change of <br> Wheel <br> Direction | Price |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Harper |  |  |  |  | $\$ 125-$ |
| Milwaukee |  |  |  |  | $\$ 400$ |
| Magline |  |  |  |  | $\$ 100-$ <br> $\$ 400$ |
| Wesco |  | X |  | X | $\$ 564$ |
| Vestil | X | X | X |  | $\$ 100-$ |
| $\$ 350$ |  |  |  |  |  |
| Rotacaster* | X | X | X | X | $\$ 475$ with |
| The Hand <br> Truck <br> Company | X |  |  |  | strap |

*Australian company in the U.S. since 2012. Hand Trucks are attached to multidirectional wheels.

## Market Analysis

The chart below represents most recent sales figures for the work/hand truck market.

## Work Trucks Without a Lift, Not Self Propelled

Material Handling Industry of America \& the U.S. Department of Commerce NAICS 3339242556 (www.mhia.org) (in millions)


Due to changes with the sub-set of the NAICS code, data for this category is no longer available. The general NAICS code of 333924 shows growth the last two years (mhia.org) after a steep decline in 2008-2010.

## Product Positioning/Use of Demos

The figures posted above give only a glimpse of the market size and do not reflect how a totally new product concept would affect the sales of hand trucks. The Hand Truck Company has several demonstration models for potential customers to use for a few days. The sales personnel will provide initial training to the users of the product.

## Positioning Statement

The Hand Truck 360 "new concept" hand trucks increase productivity and flexibility because the hand trucks with their innovative, attachable strap have the ability to steer forward, backward, sideways, and in in circles.

## Seasonality

Sales will be influenced by the seasons. Potential customers such as construction companies and movers see an increase of business in the spring and summer. Sales will also be affected by a company's budgetary constraints in the direct market. We will know more about this constraint after the first three months of operation.

## Marketing Network

Initial sales are being handled by Judith Kochevar. The firm's key sales advisor has experience in national product introductions/rollouts and will become involved as warranted.

Initial sales will be made to small businesses/local manufacturing outlets in Colorado, followed by corporate offices such as Denver Mattress and Mattress Firm, and Two Men and a Truck franchises.

## Future Sales

After sales are established and product uses are further defined, hand truck manufacturers will be contacted about using the patented turning device and Attachit Straps as add-ons to their hand trucks.

The product rollout will continue throughout 2014.

## Compensation

A ten-percent commission per gross sale will be given to any broker or sales person. Currently, a distributor will pay $\$ 360$ and sell the hand truck for $\$ 475$.

## Distribution Strategies

To maximize sales, The Hand Truck Company will employ the following sales strategies:

- Initially sell small quantities directly to the end user and distributors
- Provide excellent customer service
- Make personal sales calls in Colorado/Rocky Mountain Region
- Contact regional companies with a local presence in each market
- Give the potential customer a demo model to use in its business for a week or so
- Work with the local/regional business to gain access to its corporate offices.

- Contact the local branches of national companies to use the same strategy but continue marketing from local branch to national distribution

- Contact hand truck manufacturers in the second and third quarters


## Target Markets

Any company that handles products is a potential customer. The disparate and wide-ranging applications of the existing product and the anticipated products require a structured marketing program. For the first few months of operation, The Hand Truck Company will contact companies to determine:

- what industries have the most potential
- what is the most efficient or required way to contact and sell to a particular company
- when are industries most apt to make purchases (time of the year)
- what requirements each company/industry has from a supplier

Target markets for the Hand Truck 360 products include but are not limited to:

- Professional moving companies
- Convenience stores
- Retail furniture outlets
- Product distribution companies (food, non-perishables)
- Truck rental companies
- Restoration companies
- Warehouses/shipping and receiving
- Tool rental businesses
- Government entities
- Government contractors
- Furniture rental companies
- Hotels


## Product Introduction

## Professional Moving/Distribution Companies

Professional moving companies will benefit from the Hand Truck 360 Middle Man. This hand truck easily handles 400 pounds. With a re-design of the base, the Hand Truck 360 should handle at least 500 pounds. In the event that a company requires that the hand truck be OSHA approved (example, Lowes), the company has made the initial contact with Underwriters Lab for this designation.

Each of the following companies has a different company policy as to how product is disseminated to their movers. A marketing strategy that approaches both the agent as well as the corporate purchasers will be employed.

The following are some of the companies that companies will be approached at the corporate level referencing success stories from local movers and truckers:

| Moving Company | Number of Trucks |
| :---: | :---: |
| United/Mayflower | 500 agents (\# of trucks NA) |
| Atlas | 500 agents (\# of trucks NA) |
| Graebel | NA (privately owned) |
| Old Dominion | 5058 trucks |
| Two Men and a Truck | 117 franchises |

## Convenience Stores

According to the National Association of Convenience Stores, there are over 144,000 stores in the United Stares (NACS website). Most of these companies have a vendor trade show in which we hope to participate.

Examples of companies that will be targeted initially include:

| Company | Number of Locations |
| :---: | :---: |
| $7-11$ | 6850 |
| Kroger/Loaf \& Jug | 684 |
| White Hen (Chicago) | 215 |
| Love's | 200 |
| Plaid Pony (Portland) | 100 |

Source: companies' web sites/10K reports

## Retail Furniture Stores

The Hand Truck Company will market the Hand truck 360 to furniture chains. The following regional chains will be targeted initially:

| Furniture Companies | Number of Locations |
| :---: | :---: |
| American Furniture Warehouse | 14 |
| Denver Mattress | 250 (nationwide) |
| Mattress King (Colorado) | 35 |
| Kacey Fine Furniture (Colorado) | 16 |
| Mattress Firm | 700 (nationwide) 44 in CO and NM |

## Product Distribution Companies

Companies such as delivery and distribution companies will be contacted via district offices. An industry broker will be employed to call on these contacts.
Examples of companies that will be contacted include:

| Company | Number of Vehicles |
| :---: | :---: |
| FEDEX | 31,000 trailers |
| UPS | 21,246 trailers |
| Swift Distribution | 17,000 trailers |
| YRCW | 79,159 tractors and trailers |
| Old Dominion | 5,058 trailers |

Source: companies' web sites/10K reports

## Truck Rental Companies

Truck rental companies that rent to individuals will be approached with the advantages of the attachable strap. Brokers will contact purchasing departments from each of the following corporations. Some of the companies make a profit by selling to its franchisees (U-Haul) and others buy products and give them to their local operators (Ryder/Budget, Penske).

| Company | Number of Locations |
| :---: | :---: |
| U-Haul | 15,400 |
| Ryder/Budget | 3,000 |
| Penske | 750 |

Source: web sites

## Restoration Companies

Restoration companies will be contacted primarily via company vendor fairs.

| Company Name | Number of Locations |
| :---: | :---: |
| Service Master | 3,225 franchises |
| Belfor | 64 offices/3500 restoration specialists |
| Steamatic | 400 franchises |
| Servpro | 1400 franchises |

## Vendor Fairs

Most large companies hold vendor fairs each year to meet with preferred vendors. Service Master and Two Men and a Truck are examples of companies that sponsor vendor fairs.

## Government Entities

The Hand Truck Company is approved as a supplier to the federal government as both a woman-owned business and a business located in a HUB zone. The company has been working with PTAC (Procurement Technical Assistance Center) for further education in government purchasing and attends "meet and greet" events that feature buyers from the major government entities in the Colorado Springs area.

State and local entities will be contacted in the second quarter of 2014.

## Future Markets

The following markets will be approached later in 2014:

- Manufacturing entities
- School districts
- Local/regional rental companies

There are thousands of manufacturing firms in the United States. Each type of manufacturer has a trade association, and that trade association has a trade show. It will be determined what trade shows to attend by researching membership numbers. Distributors will also be used to provide the products to various target markets.

## Marketing Strategies

To build a market within an established marketplace, the company has devised the following strategies:

- Create a new marketing niche for those potential users of the Hand Truck 360 by emphasizing its benefits of :
$\checkmark$ higher productivity
$\checkmark$ two-in-one design (also acts as a regular hand truck)
$\checkmark$ limited-area movement (ability to steer)
$\checkmark$ rounded tires (easier turning/no flats)
$\checkmark$ ease-of-use
$\checkmark$ increased flexibility
- Have the potential customers "test" a product before they buy
- Emphasize the "Made in America" label because each major competitor has the same label
- Work with customers' district and regional offices to sell a higher quantity of products
- Sell directly to end users as much as possible
- Build sales based on word-of-mouth, testimonials, and reputation
- Use blogs to let the customers talk about the product and its uses
- Provide "semi-custom" products for different industries (example, accessories have been designed to change the hand truck into a cart)
- Sell the Attachit Strap and other accessories on the company's internet site as they become available
- Provide a one-year limited warranty on the products


## Marketing Tactics

Both standard marketing tactics and tactics new to the hand-truck industry will be used to introduce and sustain sales of the Hand Truck 360 system:

- Make personal sales calls
- Attend appropriate trade shows
- Contact hand-truck manufacturers when appropriate
- Develop sales materials to include:
$\checkmark$ Brochures (product features and benefits)
$\checkmark$ Product videos
$\checkmark$ Product features and specifications sheet
$\checkmark$ Company background
$\checkmark$ Testimonials
- Create an internet site page for:
$\checkmark$ Potential customers
$\checkmark$ Government customers
$\checkmark$ Current individual customers
$\checkmark$ Current wholesale customers
$\checkmark$ Product listings/pictures
$\checkmark$ Ordering capabilities for accessories


## Sales Projections

Sales projections are based on the:

- Number of potential customers
- Increased number of sales representatives throughout the U.S.
- Use of distributors in the U.S.
- Customer satisfaction with products


## Projected Sales-2014

| Type | Average <br> Cost | \# of Units | Sales Price | Sales |
| :---: | :---: | :---: | :---: | :---: |
| Direct with <br> 14" strap | $\$ 245$ | 340 | $\$ 475$ | $\$ 142,500$ |
| 10" Strap | $\$ 26$ | 400 | $\$ 49$ | $\$ 19,600$ |
| Total |  | $\mathbf{7 4 0}$ units |  | $\$ 162,100$ |

## Projected Sales-2015

| Type | Average <br> Cost | \# of Units | Sales Price | Sales |
| :---: | :---: | :---: | :---: | :---: |
| Direct with <br> 14" strap | $\$ 200$ | 500 | $\$ 475$ | $\$ 237,500$ |
| 10" strap | $\$ 23$ | 700 | $\$ 49$ | $\$ 16,100$ |
| Total |  | $\mathbf{1 2 0 0}$ units |  | $\$ 253,600$ |

*cost will lower due to economies of scale

## Projected Sales-2016

| Type | Average <br> Cost | \# of Units | Sales Price | Sales |
| :---: | :---: | :---: | :---: | :---: |
| Direct | $\$ 210$ | 700 | $\$ 495$ | $\$ 346,500$ |
| 10" strap | $\$ 23$ | 1,000 | $\$ 54$ | 54,000 |
| Total |  | $\mathbf{1 , 7 0 0}$ units |  | $\$ 400,500$ |

[^0]
## HAND TRUCK 360

| QUANTITY | 10 | 20 | 50 |
| :---: | :---: | :---: | :---: |
| Base per unit | \$262.00 | \$231.00 | \$194.00 |
| Wheels | 23.00 | 23.00 | 23.00 |
| 14" Strap | 34.00 | 32.50 | 32.50 |
| Cost of Goods Sold/Unit | \$319.00 | \$287.00 | \$250.00 |
| List Price | \$525.00 | \$525.00 | \$525.00 |
| Sales Discount | (50.00) | (50.00) | (50.00) |
| Net Price | \$475.00 | \$475.00 | \$475.00 |
| Cost of Goods Sold | \$319.00 | \$287.00 | \$250.00 |
| Gross Profit | \$156.00 | \$188.00 | \$225.00 |
| Gross Margin | 33\% | 40\% | 47\% |
| Other Operating Expenses @ 70\% of GP* | 109.00 | 132.00 | \$158.00 |
| Net Income | \$47.00 | \$56.00 | \$92.00 |

*Based on recommendation of our CPA/financial advisor

10" Attachit Strap

| QUANTITY | 100 | 200 | 1,000 |
| :---: | :---: | :---: | :---: |
| Base per unit | $\mathbf{\$ 1 5 . 8 0}$ | $\$ 15.20$ | $\$ 14.45$ |
| Retractable <br> Ratchet | $\$ 6.50$ | $\$ 6.50$ | $\$ 6.00$ |
| Hardware | $\$ 2.00$ | $\$ 2.00$ | $\$ 2.00$ |
| Assembly | $\$ 2.00$ | $\$ 2.00$ | $\$ 2.00$ |
|  | $\$ 26.30$ | $\$ 25.70$ | $\$ 24.45$ |
| Base per unit | $\$ 49.00$ | $\$ 49.00$ | $\$ 49.00$ |
| List Price | $\$ 26.30$ | $\$ 25.70$ | $\$ 24.45$ |
| Cost of Goods <br> Sold | $\mathbf{\$ 2 2 . 7 0}$ | $\$ 23.30$ | $\$ 24.55$ |
| Gross Profit | $\mathbf{4 6 \%}$ | $\mathbf{4 8 \%}$ | $\$ 50 \%$ |
| Gross Margin | $\mathbf{\$ 1 5 . 8 9}$ | $\mathbf{\$ 1 6 . 3 1}$ | $\$ 17.19$ |
| Other Operating <br> Expenses @ 70\% <br> of GP | $\mathbf{\$ 6 . 8 1}$ | $\mathbf{\$ 6 . 9 9}$ | $\mathbf{\$ 7 . 3 6}$ |
| Net Income |  |  |  |

14" Attachit Strap

| QUANTITY | $\mathbf{1 0 0}$ | $\mathbf{2 0 0}$ | 1,000 |
| :---: | :---: | :---: | :---: |
| Base per unit | $\$ 15.80$ | $\$ 15.20$ | $\$ 14.45$ |
| Retractable <br> Ratchet | $\$ 6.50$ | $\$ 6.50$ | $\$ 6.00$ |
| Hardware | $\$ 2.00$ | $\$ 2.00$ | $\$ 2.00$ |
| Assembly | $\$ 2.00$ | $\$ .00$ | $\$ 2.00$ |
| Base per unit | $\$ 26.30$ | $\$ 25.70$ | $\$ 24.45$ |
| List Price | $\$ 49.00$ | $\$ 49.00$ | $\$ 49.00$ |
| Cost of Goods <br> Sold | $\$ 26.30$ | $\$ 25.70$ | $\$ 24.45$ |
| Gross Profit | $\$ 22.70$ | $\$ 23.30$ | $\$ 24.55$ |
| Gross Margin | $46 \%$ | $48 \%$ | $\$ 50 \%$ |
| Other Operating <br> Expenses @ 70\% <br> of GP | $\mathbf{\$ 1 5 . 8 9}$ | $\$ 16.31$ | $\$ 17.19$ |
| Net Income | $\$ 6.81$ | $\$ 6.99$ | $\$ 7.36$ |

10" Attachit Strap

| QUANTITY | $\mathbf{1 0 0}$ | $\mathbf{2 0 0}$ | 1,000 |
| :---: | :---: | :---: | :---: |
| Base per unit | $\$ 15.80$ | $\$ 15.20$ | $\$ 14.45$ |
| Retractable <br> Ratchet | $\$ 6.50$ | $\$ 6.50$ | $\$ 6.00$ |
| Hardware | $\$ 2.00$ | $\$ 2.00$ | $\$ 2.00$ |
| Assembly | $\$ 2.00$ | $\$ .00$ | $\$ 2.00$ |
| Base per unit | $\$ 26.30$ | $\$ 25.70$ | $\$ 24.45$ |
| List Price | $\$ 49.00$ | $\$ 49.00$ | $\$ 49.00$ |
| Cost of Goods <br> Sold | $\$ 26.30$ | $\$ 25.70$ | $\$ 24.45$ |
| Gross Profit | $\$ 22.70$ | $\$ 23.30$ | $\$ 24.55$ |
| Gross Margin | $46 \%$ | $48 \%$ | $\$ 50 \%$ |
| Other Operating <br> Expenses @ $\mathbf{~ 7 0 \%}$ <br> of GP | $\mathbf{\$ 1 5 . 8 9}$ | $\$ 16.31$ | $\$ 17.19$ |
| Net Income | $\$ 6.81$ | $\$ 6.99$ | $\$ 7.36$ |

## MANAGEMENT

## Backgrounds/Responsibilities

Owner, The Hand Truck Company

Judith Kochevar—Kochevar has worked with Richard Cortese in many facets (financial, manufacturing, product procurement, company set-up, etc.) of this start-up company. She was a sales representative for a Fortune 500 company before earning an MBA with an emphasis in marketing from Arizona State University. She completed an intensive twelve-month training program with Conoco (now ConocoPhilips) where she worked in budgeting, cost analysis, and project management. Kochevar also was a marketing consultant with Intel Corporation. For several years, she has worked with start-up companies to develop their business and marketing strategies.

## Inventor/Engineer

Richard Cortese—Richard is an industrial designer, having been the Director of Research and Development for Sutrak and the Senior Designer for Neoplan USA. Both positions were based in Lamar, Colorado. Cortese has international experience with both corporations.

Cortese has an undergraduate degree in Industrial Design from Adams State College and a Master's degree in Education Administration from the University of Northern Colorado.

His responsibilities, based on his extensive engineering experience, will include:

- Facilitator of product manufacturing and quality assurance
- Advisor to contract manufacturer


## Financial Advisor

Ken Martz, CPA, is a partner in Martz \& Wilson Accounting in St. Louis, Missouri. He has over twenty-five years' experience as a managerial accountant/business advisor. He has advised and will continue to advise The Hand truck Company on accounting, tax, and other financial matters and will prepare all quarterly and year-end financial statement

## Company Timeline

| $\mathbf{2 0 1 4}$ | Task |
| :---: | :--- |
| January-March | 1) Have 20 hand trucks manufactured |
|  | 2) Make list of contacts of potential customers |
|  | 3) Set up accounting |
|  | 4) Re-brand company |
|  | 5) Prepare fact sheet |
|  | 6) Sign contract with manufacturer |
|  | 7) Re-do web page |
|  | 8) Take product photos |
|  | 9) Make product videos |
|  | 10) Begin product shipments |
| February-March | 1) Meet with furniture/ mattress stores |
|  | 2) Contact commercial moving companies |
|  | 3) Contact companies that distribute products |
|  | 4) Test market sales strategies in Colorado |
| April-May | 1) Determine best sales and marketing |
|  | strategies |
|  | 2) Decide where to grow the distribution |
|  | 3) Attend National Hardware Trade Show |
|  | 4) Contact brokers |
| May-December | 1) Continue to contact potential customers |
|  | 2) Contact medium-sized hand truck manufacturers |
| about licensing or selling the stabilizing strap as a |  |
| product add-on |  |
|  |  |
|  |  |

## FINANCIALS

## BALANCE SHEET

|  | AT START-UP |  | 2014 |  | 2015 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Percent |  | Percent |  | Percent |
| ASSETS <br> Current Assets: |  |  |  |  |  |  |
| Cash on hand \& in bank(s) | 5,000 | 38.6\% | 39,870 | 93.3\% | 154,125 | 98.2\% |
| Accounts Receivable | 0 |  |  |  |  |  |
| LESS Doubtful Accounts | 0 |  |  |  |  |  |
| Net Value Accts. Receivable | 0 | 0.0\% | 0 | 0.0\% | 0 | 0.0\% |
| Inventory | 5,000 | 38.6\% | 0 | 0.0\% | 0 | 0.0\% |
| Other Current Assets | 2,700 | 20.9\% | 2,700 | 6.3\% | 2,700 | 1.7\% |
| Total Current Assets | 12,700 | 98.1\% | 42,570 | 99.6\% | 156,825 | 99.9\% |
| Fixed Assets: Equipment | 0 |  | 0 |  | 0 |  |
| LESS: Accumulated |  |  |  |  |  |  |
| Depreciation | 0 |  | 0 |  | 0 |  |
| Total Fixed Assets | 0 | 0.0\% | 0 | 0.0\% | 0 | 0.0\% |
| Intangible Assets |  |  |  |  |  |  |
| Start-up \& Organization Costs | 300 | 2.3\% | 300 | 0.7\% | 300 | 0.2\% |
| LESS: Accumulated Amort. | 60 |  | 120 |  | 180 |  |
| Total Intangible Assets | 240 | 1.9\% | 180 | 0.4\% | 120 | 0.1\% |
| All Other Non-Current Assets |  | 0.0\% | 0 | 0.0\% | 0 | 0.0\% |
| TOTAL ASSETS | 12,940 | 100.0\% | 42,750 | 100.0\% | 156,945 | 100.0\% |



| QUARTERLY INCOME STATEMENT | 2014 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| NET SALES Cost of Sales | 1st Qtr. $\$ 0$ 0 | $\begin{array}{r} \text { 2nd Qtr. } \\ \$ 37,100 \\ 21,440 \\ \hline \end{array}$ | 3rh Qtr. <br> \$62,550 <br> 35,260 | 4th Qtr. <br> \$76,350 <br> 42,550 | $\begin{array}{\|r} \hline \text { Year 1 } \\ \$ 176,000 \\ 99,250 \\ \hline \end{array}$ |
| GROSS PROFIT <br> GENERAL \& ADMIN. Expenses <br> Depreciation | $\begin{array}{r} \$ 0 \\ 1,170 \end{array}$ | $\begin{array}{r} \hline \$ 15,660 \\ 16,680 \end{array}$ | $\begin{array}{r} \$ 27,290 \\ 11,475 \\ 60 \\ \hline \end{array}$ | $\begin{array}{r} \$ 33,800 \\ 12,555 \\ 60 \\ \hline \end{array}$ | $\begin{array}{r} \$ 76,750 \\ 41,880 \\ 120 \\ \hline \end{array}$ |
| OPERATING INCOME (loss) <br> Other Income less Other Expenses | -\$1,170 | -\$1,020 | \$15,755 | \$21,185 | $\begin{array}{r} \$ 34,750 \\ 0 \end{array}$ |
| INCOME BEFORE Taxes State \& Federal Taxes | -\$1,170 | -\$1,020 | \$15,755 | \$21,185 | \$34,750 |
| NET INCOME (Loss) | -\$1,170 | -\$1,020 | \$15,755 | \$21,185 | \$34,750 |



Merchandise Purchases $\quad \%$ of
2014
Product

Direct-HT
\# of Units
Strap
\# of Units
Strap 10"
\# of Units
TOTAL MERCHANDISE PURCHASES

| Unit Price | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Total | Sales |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 230.00 | 0 | 0 | 0 | 4,600 | 5,750 | 5,750 | 6,900 | 9,200 | 11,500 | 11,500 | 11,500 | 11,500 | \$78,200 | 44.4\% |
|  | 0 | 0 |  | 20 | 25 | 25 | 30 | 40 | 50 | 50 | 50 | 50 |  |  |
| 32.50 | 0 | 0 | 0 | 650 | 813 | 813 | 100 | 1,300 | 1,625 |  | 1,625 | 1,625 | \$8,550 | 4.9\% |
|  | 0 | 0 |  | 20 | 25 | 25 | 30 | 40 | 50 | 50 | 50 | 50 |  |  |
| 26.00 |  | 0 | 0 | 520 | 1,040 | 1,040 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | \$10,400 | 5.9\% |
|  |  | 0 | 0 | 20 | 40 | 40 | 50 | 50 | 50 | 50 | 50 | 50 |  |  |
| NDISE PURCHASES | 0 | 0 | 0 | 5,770 | 7,603 | 7,603 | 8,300 | 11,800 | 14,425 | 12,800 | 14,425 | 14,425 | \$97,150 | 55.2\% |


|  |  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1-12 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | TOTAL |  |
|  | Cash on Hand (BOM) |  | 5,000 | 4,810 | 4,120 | 3,830 | 2,842 | 3,834 | 2,810 | 6,370 | 11,755 | 18,625 | 26,190 | 33,030 |  |  |
| 2.a) | Hand Truck Sales |  | 0 | 0 | 0 | 8,300 | 10,375 | 10,375 | 12,450 | 16,600 | 20,750 | 20,750 | 20,750 | 20,750 | \$141,100 |  |
| b) | 14" Strap Sales |  | 0 | 0 | 0 | 900 | 1,125 | 1,125 | 1,350 | 1,800 | 2,250 | 2,250 | 2,250 | 2,250 | \$15,300 |  |
| c) | 10" Strap Sales |  | 0 |  | 0 | 980 | 1,960 | 1,960 | 2,450 | 2,450 | 2,450 | 2,450 | 2,450 | 2,450 | \$19,600 |  |
|  | TOTAL CASH ADDED [2.a+b+c] |  | 0 | 0 | 0 | 10,180 | 13,460 | 13,460 | 16,250 | 20,850 | 25,450 | 25,450 | 25,450 | 25,450 | \$176,000 |  |
|  | TAL CASH AVAILABLE [1. + 3.] |  | 5,000 | 4,810 | 4,120 | 14,010 | 16,302 | 17,294 | 19,060 | 27,220 | 37,205 | 44,075 | 51,640 | 58,480 |  |  |
|  | Royalties-HT |  |  |  |  | 50 | 100 | 125 | 125 | 150 | 200 | 250 | 250 | 250 | \$1,500 |  |
| a) | Royalties-Strap |  |  |  |  | 90 | 180 | 195 | 225 | 240 | 270 | 300 | 300 | 300 | \$2,100 |  |
| b) | Merchandise Purchases |  | 0 | 0 | 0 | 5,770 | 7,603 | 7,603 | 8,300 | 11,800 | 14,425 | 12,800 | 14,425 | 14,425 | \$97,150 |  |
|  | TOTAL COST OF SALES |  | 0 | 0 | 0 | 5,860 | 7,783 | 7,798 | 8,525 | 12,040 | 14,695 | 13,100 | 14,725 | 14,725 | \$99,250 |  |
|  | Operating Expenses |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| a) | Accounting |  |  |  |  | 500 |  |  | 500 |  |  | 500 |  |  | \$1,500 |  |
| b) | Advertising \& Promotion |  |  | 600 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | \$2,600 |  |
| c) | Legal-Patent |  |  |  |  |  | 2,000 | 2,000 |  |  |  |  |  |  | \$4,000 |  |
| d) | Insurance |  |  |  |  | 2,500 | 750 | 750 | 750 | 750 | 750 | 750 | 750 | 750 | \$8,500 |  |
| e) | Internet Access |  | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | \$440 |  |
| f) | Office \& Cleaning Supplies |  |  |  |  |  |  |  | 0 |  |  |  |  |  | \$0 |  |
| g) | Outside Services |  |  |  |  | 1,018 | 1,346 | 1,346 | 1,625 | 2,085 | 2,545 | 2,545 | 2,545 | 2,545 | \$17,600 |  |
| h) | Rent/Lease (real estate) |  |  |  |  |  |  |  | 0 | 0 | 0 | 0 | 0 | 0 | \$0 |  |
| 1) | Engineering |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |  |
| i) | Taxes \& Licenses |  | 100 |  |  |  |  |  |  |  |  |  |  |  | \$100 |  |
| k) | Telephone |  | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | \$550 |  |
| 1) | Travel |  | 0 | 0 |  | 1,000 | 300 | 300 | 1,000 | 300 | 300 | 700 | 300 | 300 | \$4,500 |  |
| m) | Utilities |  |  |  |  |  |  |  | 0 | 0 | 0 | 0 | 0 | 0 | \$0 |  |
| n) | Wages / Salaries |  | 0 | 0 | 0 | 0 |  |  |  |  |  |  |  |  | \$0 |  |
| o) | Payroll Expenses (FICA,FUT' | 14\% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$0 |  |
| p) | Miscellaneous Expenses |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |  |
| q) | Association Dues |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |  |
| r) | Trade Shows |  |  |  |  |  |  | 2,000 |  | 0 |  |  |  |  | \$2,000 |  |
| s) | Interest, First Long Term Loan |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$0 |  |
|  | Interest, Second Long Term Loan |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$0 |  |
|  | Interest, Short Term Loan |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$0 |  |
|  | TOTAL OPERATING EXPENSES |  | 190 | 690 | 290 | 5,308 | 4,686 | 6,686 | 4,165 | 3,425 | 3,885 | 4,785 | 3,885 | 3,885 | \$41,880 |  |
|  | Non-Operating Uses of Funds |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Loan Principal Payment, First L |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$0 |  |
|  | Loan Principal Payment, Secon | oan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | \$0 |  |
|  | Loan Principal Payment, ST Loan |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$0 |  |
| b) | Owner Draw |  |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$0 |  |
|  | Income tax |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |  |
| c) | Computer Equipment |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |  |
|  | Building Improvements |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |  |
| TOTAL NON-OPERATING USES |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | TOTAL SALES |  | 0 | 0 | 0 | 10,180 | 13,460 | 13,460 | 16,250 | 20,850 | 25,450 | 25,450 | 25,450 | 25,450 | \$176,000 |  |
| 8. TOTAL CASH PAID OUT [4. + 5. + 6.] |  |  | 190 | 690 | 290 | 11,168 | 12,469 | 14,484 | 12,690 | 15,465 | 18,580 | 17,885 | 18,610 | 18,610 | \$141,130 |  |
|  | Profit (Loss) |  | -190 | -690 | -290 | -988 | 992 | -1,024 | 3,560 | 5,385 | 6,870 | 7,565 | 6,840 | 6,840 | \$34,870 |  |

## Year 1 Cash Flow Notes

Product Sales Hand Truck 360 with 14" strap--Based on the approximate average from the manufacturer. The per-unit price will decline as the number produced increases. The pricing of the commodities used in the manufacturing process (steel, paint rubber) will vary.

Product Sales 10" Attachit Strap—Based on potential sales to businesses with existing hand trucks.

| Product | \# of Units | Sales Price | Sales |
| :---: | :---: | :---: | :---: |
| Hand Truck w/ <br> Strap | 340 | $\$ 460$ | $\$ 156,400$ |
| 10" Strap | 400 | $\$ 49$ | $\$ 19,600$ |
| Total | $\mathbf{7 4 0}$ units |  | $\$ 176,000$ |

Merchandise purchase-This figure includes the total costs associated with the manufacturing, painting (powder coating), and assemblage of the hand trucks. The cost per hand truck will decrease as the quantity manufactured increases.

| Product | Average <br> Cost | \# of Units | Cost |
| :---: | :---: | :---: | :---: |
| Hand Truck <br> w/ Strap | $\$ 262.50$ | 340 | $\$ 86,750$ |
| 10" Strap | 26.00 | 400 | $\$ 10,400$ |
| Total |  | $\mathbf{4 0 0}$ units | $\$ 97,150$ |

Total Cash Available-\$5,000 from owner
Accounting \& Legal—Accounting costs will include bookkeeping, preparation of quarterly and annual reports, and financial consulting fees.

Advertising \& Promotion—Includes pictures, product brochures, a product video, web page, and logo
Insurance-General and product liability insurance will be obtained once the sales volume increases. The product liability insurance will enhance the manufacturer's product insurance.

Outside services—Company will use contractors exclusively in its first year of business. Payment of $10 \%$ of gross sales will be paid to any sales representatives.

Rent/Lease-Business will be home-based. Products will be made on a just-in-time basis and shipped from the contract engineering plant.

Travel-Sales travel will be used to potential customers, distributors, trade shows, annual meeting.
Owner Draw-Owner will be compensated as a sales rep during the first year.

| NET SALES Cost of Sales | 1st Qtr. 2nd Qtr. |  | 3rd Qtr. | 4th Qtr. |
| :---: | :---: | :---: | :---: | :---: |
|  | \$80,750 | \$95,000 | \$109,250 | \$133,000 |
|  | 44,540 | 52,400 | 60,260 | 69,360 |
| GROSS PROFIT | \$36,210 | \$42,600 | \$48,990 | \$63,640 |
| GENERAL \& ADMIN. Expenses | 20,905 | 25,340 | 25,870 | 28,670 |
| Depreciation | -15 | -15 | -15 | -15 |
| OPERATING INCOME (loss) <br> Other Income less Other Expenses | \$15,320 | \$17,275 | \$23,135 | \$34,985 |
| INCOME BEFORE Taxes State \& Federal Taxes | \$15,320 | \$17,275 | \$23,135 | \$34,985 |
| NET INCOME (Loss) | \$15,320 | \$17,275 | \$23,135 | \$34,985 |


| Year 2 | \% of <br> Sales |
| ---: | ---: |
| $\$ 418,000$ | $100.0 \%$ |
| 226,560 | 0.54201 |
| $\$ 191,440$ | $45.8 \%$ |
| 100,785 | $24.1 \%$ |
| -60 | $0.0 \%$ |
| $\$ 90,715$ | $21.7 \%$ |
| 0 | 0 |
| $\$ 90,715$ | $21.7 \%$ |
|  | 0 |
| $\$ 90,715$ | 0.21702 |


|  |  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1-12 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | TOTAL |  |
|  | Cash on Hand (BOM) |  | 5,000 | 4,810 | 4,120 | 3,830 | 2,842 | 3,834 | 2,810 | 6,370 | 11,755 | 18,625 | 26,190 | 33,030 |  |  |
| 2.a) | Hand Truck Sales |  | 0 | 0 | 0 | 8,300 | 10,375 | 10,375 | 12,450 | 16,600 | 20,750 | 20,750 | 20,750 | 20,750 | \$141,100 |  |
| b) | 14" Strap Sales |  | 0 | 0 | 0 | 900 | 1,125 | 1,125 | 1,350 | 1,800 | 2,250 | 2,250 | 2,250 | 2,250 | \$15,300 |  |
| c) | 10" Strap Sales |  | 0 |  | 0 | 980 | 1,960 | 1,960 | 2,450 | 2,450 | 2,450 | 2,450 | 2,450 | 2,450 | \$19,600 |  |
|  | TOTAL CASH ADDED [2.a+b+c] |  | 0 | 0 | 0 | 10,180 | 13,460 | 13,460 | 16,250 | 20,850 | 25,450 | 25,450 | 25,450 | 25,450 | \$176,000 |  |
|  | TAL CASH AVAILABLE [1. + 3.] |  | 5,000 | 4,810 | 4,120 | 14,010 | 16,302 | 17,294 | 19,060 | 27,220 | 37,205 | 44,075 | 51,640 | 58,480 |  |  |
|  | Royalties-HT |  |  |  |  | 50 | 100 | 125 | 125 | 150 | 200 | 250 | 250 | 250 | \$1,500 |  |
| a) | Royalties-Strap |  |  |  |  | 90 | 180 | 195 | 225 | 240 | 270 | 300 | 300 | 300 | \$2,100 |  |
| b) | Merchandise Purchases |  | 0 | 0 | 0 | 5,770 | 7,603 | 7,603 | 8,300 | 11,800 | 14,425 | 12,800 | 14,425 | 14,425 | \$97,150 |  |
|  | TOTAL COST OF SALES |  | 0 | 0 | 0 | 5,860 | 7,783 | 7,798 | 8,525 | 12,040 | 14,695 | 13,100 | 14,725 | 14,725 | \$99,250 |  |
|  | Operating Expenses |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| a) | Accounting |  |  |  |  | 500 |  |  | 500 |  |  | 500 |  |  | \$1,500 |  |
| b) | Advertising \& Promotion |  |  | 600 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | \$2,600 |  |
| c) | Legal-Patent |  |  |  |  |  | 2,000 | 2,000 |  |  |  |  |  |  | \$4,000 |  |
| d) | Insurance |  |  |  |  | 2,500 | 750 | 750 | 750 | 750 | 750 | 750 | 750 | 750 | \$8,500 |  |
| e) | Internet Access |  | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | \$440 |  |
| f) | Office \& Cleaning Supplies |  |  |  |  |  |  |  | 0 |  |  |  |  |  | \$0 |  |
| g) | Outside Services |  |  |  |  | 1,018 | 1,346 | 1,346 | 1,625 | 2,085 | 2,545 | 2,545 | 2,545 | 2,545 | \$17,600 |  |
|  | Rent/Lease (real estate) |  |  |  |  |  |  |  | 0 | 0 | 0 | 0 | 0 | 0 | \$0 |  |
|  | Engineering |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |  |
| i) | Taxes \& Licenses |  | 100 |  |  |  |  |  |  |  |  |  |  |  | \$100 |  |
| k) | Telephone |  | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | \$550 |  |
| 1) | Travel |  | 0 | 0 |  | 1,000 | 300 | 300 | 1,000 | 300 | 300 | 700 | 300 | 300 | \$4,500 |  |
| m) | Utilities |  |  |  |  |  |  |  | 0 | 0 | 0 | 0 | 0 | 0 | \$0 |  |
| n) | Wages / Salaries |  | 0 | 0 | 0 | 0 |  |  |  |  |  |  |  |  | \$0 |  |
| o) | Payroll Expenses (FICA,FUT' | 14\% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$0 |  |
|  | Miscellaneous Expenses |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |  |
| q) | Association Dues |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |  |
| r) | Trade Shows |  |  |  |  |  |  | 2,000 |  | 0 |  |  |  |  | \$2,000 |  |
|  | Interest, First Long Term Loan |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$0 |  |
|  | Interest, Second Long Term Lo |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$0 |  |
|  | Interest, Short Term Loan |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$0 |  |
|  | TOTAL OPERATING EXPENSES |  | 190 | 690 | 290 | 5,308 | 4,686 | 6,686 | 4,165 | 3,425 | 3,885 | 4,785 | 3,885 | 3,885 | \$41,880 |  |
|  | Non-Operating Uses of Funds |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Loan Principal Payment, First L | LT Loan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$0 |  |
|  | Loan Principal Payment, Secon | nd LT Loan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | \$0 |  |
|  | Loan Principal Payment, ST Loan |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$0 |  |
| b) | Owner Draw |  |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$0 |  |
|  | Income tax |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |  |
| c) | Computer Equipment |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |  |
|  | Building Improvements |  |  |  |  |  |  |  |  |  |  |  |  |  | \$0 |  |
| TOTAL NON-OPERATING USES |  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | TOTAL SALES |  | 0 | 0 | 0 | 10,180 | 13,460 | 13,460 | 16,250 | 20,850 | 25,450 | 25,450 | 25,450 | 25,450 | \$176,000 |  |
| 3. TOTAL CASH PAID OUT [4. + 5. + 6.] |  |  | 190 | 690 | 290 | 11,168 | 12,469 | 14,484 | 12,690 | 15,465 | 18,580 | 17,885 | 18,610 | 18,610 | \$141,130 |  |
| 9. Profit (Loss) |  |  | -190 | -690 | -290 | -988 | 992 | -1,024 | 3,560 | 5,385 | 6,870 | 7,565 | 6,840 | 6,840 | \$34,870 |  |

## Year 1 Cash Flow Notes

Product Sales Hand Truck 360 with 14" strap--Based on the approximate average from the manufacturer. The per-unit price will decline as the number produced increases. The pricing of the commodities used in the manufacturing process (steel, paint rubber) will vary.

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| Product | \# of Units | Sales Price | Sales |
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| 10" Strap | 400 | $\$ 49$ | $\$ 19,600$ |
| Total | $\mathbf{7 4 0}$ units |  | $\$ 176,000$ |

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| Product | Average <br> Cost | \# of Units | Cost |
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| Hand Truck <br> w/ Strap | $\$ 262.50$ | 340 | $\$ 86,750$ |
| 10" Strap | 26.00 | 400 | $\$ 10,400$ |
| Total |  | $\mathbf{4 0 0}$ units | $\$ 97,150$ |

Total Cash Available-\$5,000 from owner
Accounting \& Legal—Accounting costs will include bookkeeping, preparation of quarterly and annual reports, and financial consulting fees.

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Travel-Sales travel will be used to potential customers, distributors, trade shows, annual meeting.
Owner Draw-Owner will be compensated as a sales rep during the first year.

| QUARTERLY INCOME STATEMENT |  | YEAR | 2015 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 1st Qtr. | 2nd Qtr. | 3rd Qtr. | 4th Qtr. |
| NET SALES | \$80,750 | \$95,000 | \$109,250 | \$133,000 |
| Cost of Sales | 44,540 | 52,400 | 60,260 | 69,360 |
| GROSS PROFIT | \$36,210 | \$42,600 | \$48,990 | \$63,640 |
| GENERAL \& ADMIN. Expenses | 20,905 | 25,340 | 25,870 | 28,670 |
| Depreciation | -15 | -15 | -15 | -15 |
| OPERATING INCOME (loss) Other Income less Other Expenses | \$15,320 | \$17,275 | \$23,135 | \$34,985 |
| INCOME BEFORE Taxes State \& Federal Taxes | \$15,320 | \$17,275 | \$23,135 | \$34,985 |
| NET INCOME (Loss) | \$15,320 | \$17,275 | \$23,135 | \$34,985 |


| Year 2 | \% of <br> Sales |
| :---: | ---: |
| $\$ 418,000$ | $100.0 \%$ |
| 226,560 | 0.54201 |
| $\$ 191,440$ | $45.8 \%$ |
| 100,785 | $24.1 \%$ |
| -60 | $0.0 \%$ |
| $\$ 90,715$ | $21.7 \%$ |
| 0 | 0 |
| $\$ 90,715$ | $21.7 \%$ |
|  | 0 |
| $\$ 90,715$ | 0.21702 |




|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | $\begin{gathered} \hline 1-12 \\ \text { TOTAL } \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1. Cash on Hand (BOM) | 39,870 | 44,895 | 51,535 | 58,975 | 62,575 | 72,230 | 81,635 | 89,315 | 100,485 | 110,955 | 118,225 | 134,925 |  |
| 2.a) Hand Truck Sales | 21,250 | 25,500 | 25,500 | 25,500 | 29,750 | 29,750 | 29,750 | 34,000 | 34,000 | 34,000 | 42,500 | 42,500 | \$374,00 |
| b) 14" Strap Sales | 2,500 | 3,000 | 3,000 | 3,000 | 3,500 | 3,500 | 3,500 | 4,000 | 4,000 | 4,000 | 5,000 | 5,000 | \$44,00 |
| c) 10" Strap Sales | 2,000 | 2,400 | 2,400 | 2,800 | 2,800 | 2,800 | 2,800 | 3,200 | 3,200 | 3,200 | 4,000 | 4,000 | \$35,60 |
| SH ADDED [2.a+b+c] | 25,750 | 30,900 | 30,900 | 31,300 | 36,050 | 36,050 | 36,050 | 41,200 | 41,200 | 41,200 | 51,500 | 51,500 | \$453,60 |
| 3. VAILABLE [1. + 3.] | 65,620 | 75,795 | 82,435 | 90,275 | 98,625 | 108,280 | 117,685 | 130,515 | 141,685 | 152,155 | 169,725 | 186,425 |  |
| a) Royalties | 550 | 660 | 660 | 660 | 770 | 770 | 770 | 880 | 880 | 880 | 1,100 | 1,100 | \$9,68 |
| b) Merchandise Purchases | 12,550 | 15,060 | 15,060 | 15,060 | 17,570 | 17,570 | 17,570 | 20,080 | 20,080 | 20,080 | 25,100 | 21,100 | \$216,88 |
| [AL COST OF SALES | 13,100 | 15,720 | 15,720 | 15,720 | 18,340 | 18,340 | 18,340 | 20,960 | 20,960 | 20,960 | 26,200 | 22,200 | \$44,00 |
| 5. Operating Expenses |  |  |  |  |  |  |  |  |  |  |  |  |  |
| a) Accounting | 400 | 0 | 700 | 400 | 0 | 700 | 400 | 0 | 700 | 400 | 0 | 1,000 | \$4,70 |
| Advertising \& Promotion | 1,000 | 0 | 0 | 0 | 1,000 | 0 | 0 | 0 | 1,000 | 0 | 0 | 0 | \$3,00 |
| c) Shipping |  |  |  |  |  |  |  |  |  |  |  |  |  |
| d) Insurance | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | \$9,60 |
| e) Internet Access | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | \$60 |
| f) Office \& Cleaning Supplies | 100 |  |  |  |  | 50 |  |  |  |  |  |  | \$15 |
| g) Outside Services | 2,575 | 3,090 | 3,090 | 3,130 | 3,605 | 3,605 | 3,605 | 4,120 | 4,120 | 4,120 | 5,150 | 5,150 | \$45,36 |
| h) Rent/Lease (real estate) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | , | 0 | \$ |
| 1) Engineering | 0 |  |  |  |  |  | 2,000 |  |  |  |  |  | \$2,00 |
| i) Taxes \& Licenses | 100 |  |  |  |  |  |  |  |  |  |  |  | \$10 |
| k) Telephone | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | \$1,20 |
| 1) Travel | 1,500 | 1,500 | 1,500 | 3,000 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 3,000 | 1,500 | 1,500 | \$21,00 |
| m) Utilities |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ |
| n) Wages / Salaries | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ |
| o) Payroll Expense 14\% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ |
| p) Miscellaneous Expenses |  |  | 500 |  |  | 500 |  |  | 500 |  |  | 500 | \$2,00 |
| q) Association Dues |  | 500 |  |  |  |  | 575 |  |  |  |  |  | \$1,07 |
|  |  | 1,500 |  | 3,500 |  |  |  | 1,500 |  | 3,500 |  |  | \$10,00 |
| s) Interest, First Long Term Loa Interest, Second Long Term Interest, Short Term Loan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
|  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
|  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| ERATING EXPENSES | 6,625 | 7,540 | 6,740 | 10,980 | 7,055 | 7,305 | 9,030 | 8,070 | 8,770 | 11,970 | 7,600 | 9,100 | \$100,78 |
| 6. Non-Operating Uses of Funds |  |  |  |  |  |  |  |  |  |  |  |  |  |
| a) "Loan Principal Payment, Firs" | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| Loan Principal Payment, Sec | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| Loan Principal Payment, ST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ |
| b) Owner Draw | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | \$12,00 |
| Income tax |  |  |  |  |  |  |  |  |  |  |  |  |  |
| c) Computer Equipment |  |  |  |  |  |  |  |  |  |  |  |  |  |
| d) Building Improvements |  |  |  |  |  |  |  |  |  |  |  |  |  |
| N-OPERATING USES | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | \$12,00 |
| TOTAL SALES <br> 8. <br> TOTAL CASH PAID OUT [4. + | ===== | ==== | ===== | $=$ = | ===== | ====== | = | = | = | = | ====== | ======= | $=$ |
|  | 23,750 | 28,500 | 28,500 | 28,500 | 33,250 | 33,250 | 33,250 | 38,000 | 38,000 | 38,000 | 47,500 | 47,500 | \$418,00 |
|  | 20,725 | 24,260 | 23,460 | 27,700 | 26,395 | 26,645 | 28,370 | 30,030 | 30,730 | 33,930 | 34,800 | 32,300 | \$339,34 |
| 9. Profit (Loss) | 3,025 | 4,240 | 5,040 | 800 | 6,855 | 6,605 | 4,880 | 7,970 | 7,270 | 4,070 | 12,700 | 15,200 | \$78,65 |

## Year 2 Cash Flow Notes

Product Sales— The hand truck with strap will continue to be sold for $\$ 475$ and the 10 " strap will be sold for $\$ 49$.
Merchandise purchase-This includes the total cost of the manufacturing, painting (powder coating), wheels, and assemblage of the hand trucks. In Year 2, it is estimated that the per-unit cost will be $\$ 200$.

Accounting \& Legal—Accounting costs will include bookkeeping, preparation of quarterly and annual reports, and financial consulting fees.

Advertising \& Promotion-Additional product brochures, web page updates, trade show materials, trade show booth/signage, public relations are included in this category.

Insurance--The product liability insurance will enhance the manufacturer's product insurance.
Outside services-During its second year of business, the company will continue to pay $10 \%$ commission. The following contractors will continue to be used on an as-needed basis:

- Bookkeeper (under accounting)

Travel-Travel to locations to meet with distributors and as well as with customers is included in this category. Travel to annual meeting and trade shows is also included.

Wages-An office manager and customer service agent will be employed to handle billing, customer relations, and daily office management.

Owner Draw—The owner will take $\$ 2,000$ per month beginning in Month 1.


[^0]:    * Possibility of increase in the cost of materials has been factored into the cost

