

**B. B. NOYES & CO.**

**GREENFIELD, MASS., U. S. A.**

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MANUFACTURERS OF  
**"LITTLE GIANT"**  
Blacksmiths' Drills  
Foot Vises, Etc. 

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**1904**



**WELLS BROS. COMPANY**

**SALES AGENTS**

**GREENFIELD, MASS., U. S. A.**

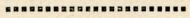
F. E. V. W. H. P. H.  
DUCKFIELD, MASS.



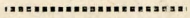
F. E. WARREN  
BUCKFIELD, MAINE

# B. B. NOYES & CO.

Greenfield, Mass., U. S. A.



Manufacturers of  
"LITTLE GIANT" Blacksmiths' Drills,  
Foot Vises, Etc.



WELLS BROTHERS COMPANY,

Sales Agents,

Greenfield, Mass., U. S. A.

*Cut Gear  
Drilling Machines.*



*Read following pages  
carefully.*

## *NOTICE TO THE TRADE.*

**H**AVING disposed of that part of our business shown in the following pages to B. B. NOYES & CO., OF GREENFIELD, MASS., we earnestly urge that our friends may continue to favor them with their orders for these goods.

The same high standard of quality and workmanship which has made the name "Little Giant" so well and favorably known, will be continued.

Orders placed with them or ourselves will receive prompt attention.

Yours very truly,

WELLS BROTHERS COMPANY.

March 12, 1903.



# **The "Little Giant" Drill.**

## **With Straight or Swinging Table.**

The illustrations on the succeeding pages give a good idea of our New "Little Giant" Blacksmiths' Drilling Machines, as arranged for hand or power.

We desire to say this, that although we have put the price of these machines *low*, nothing has been neglected to make them the *most perfect, compact, and thoroughly well-made drill* in the market.

### **General Dimensions and Points.**

#### **Weight of these Machines, 150 lbs.**

Drills from  $\frac{1}{8}$  to  $1\frac{1}{4}$  inch hole.

Drills to center of 14-inch circle.

Has three changes of feed. Feed equally continuous on all changes.

Spindle self-lubricating by filling reservoir at top of same.

Table is removable for drilling tire, and instantly adjustable to height.

The frame is of iron, cast in one piece, giving machine strength and stiffness.

Spindle is steel, with steel set screw *hardened and tempered*.

Table is perfectly square with spindle.

The feed has a run of 4 inches.

The table has an adjustment of 16 inches.

On power machines, pulleys will not interfere with the use of hand crank.

Spindles are made to receive  $\frac{1}{2}$ -inch or  $\frac{3}{8}\frac{1}{4}$  shanked drills, as ordered. Unless ordered otherwise,  $\frac{1}{2}$ -inch hole will be sent.

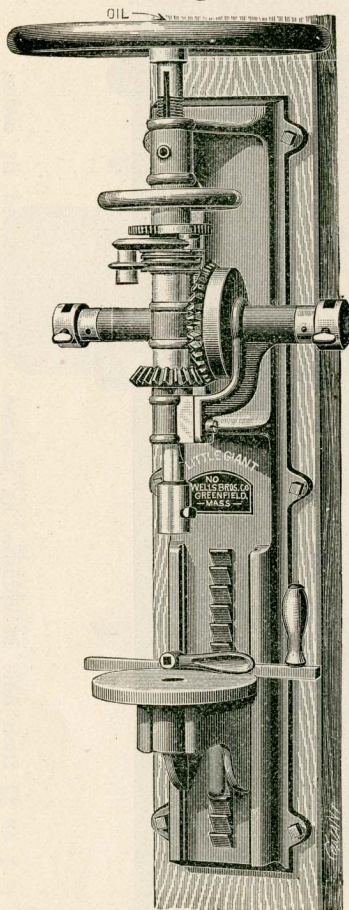
All parts are interchangeable.

**EVERY DRILLING MACHINE illustrated HAS CUT GEARS.**

# **"Little Giant" Drilling Machine.** **Straight Table.**

Use Left-hand Crank for Large Drills. The power is multiplied one and one-half times.  
 Use the Right-hand Crank for Small Drills. The speed is multiplied one and one-half times.

**DRILLS TO 1 1/4 INCHES.**



**We furnish this DRILLING MACHINE WITH SWINGING TABLE.**

**SEE OPPOSITE PAGE.**

**Change of Feed Instantaneous. Table of this Machine is Perfectly Square with Spindle.**  
**All Parts Interchangeable. Has Iron Bed.**

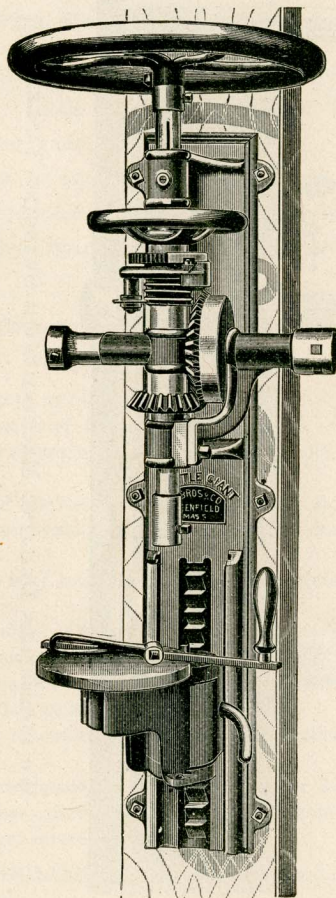
**Machine No. 2.....Price, \$18.00**

# **"Little Giant" Drilling Machine.** **Swinging Table.**

*Arranged for Hand,*

*WITH SWINGING TABLE.*

*THIS MACHINE DRILLS TO 1  $\frac{1}{4}$  INCHES.*



$\frac{1}{2}$  or  $\frac{1}{4}$  inch hole in spindle, as desired. Unless stated in order,  
 $\frac{1}{2}$  inch hole will always be sent.

**Machine No. 4.....Price, \$20.00**

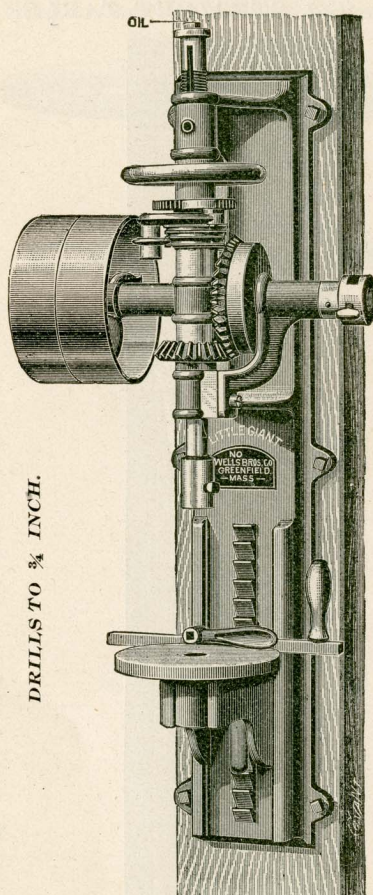


# "Little Giant" Drilling Machines.

## Arranged for Power.

Weight of this machine ..... 150 lbs.

DRILLS TO  $\frac{3}{4}$  INCH.



This Machine is adapted for use either by Hand or Power.

We send Swing Table, unless otherwise ordered.

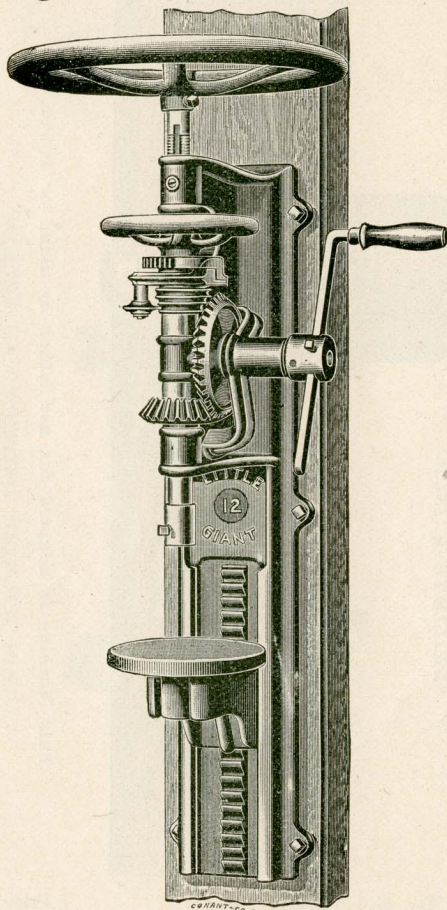
We furnish machines with Cone Pulley, if desired, at same price.

Machine No. 6.	Straight Table.....	Price, <b>\$21.00</b>
Machine No. 6.	Swing Table.....	" <b>23.00</b>

**"Little Giant" Drilling Machine.**  
**Single Geared, STRAIGHT TABLE.**

An Iron Bed Machine. Has three changes of feed.

DRILLS TO ONE INCH DIAMETER HOLE.



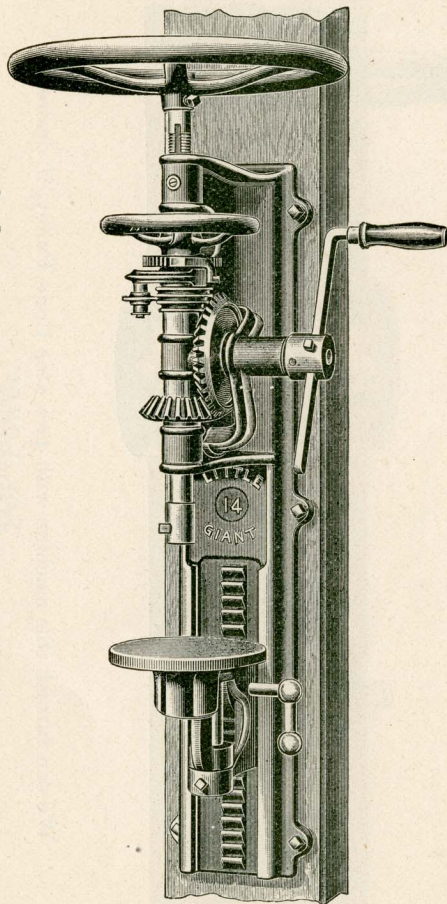
Furnished with  $\frac{1}{2}$  inch hole in spindle, unless otherwise ordered.  
 $\frac{3}{4}$  inch hole furnished at same price, if desired.

**Machine No. 12** ..... **Price, \$15.00**

# ***"Little Giant" Drilling Machine.***

*Single Geared, SWINGING TABLE.*

SAME AS No. 12, except this machine has Swinging Table.

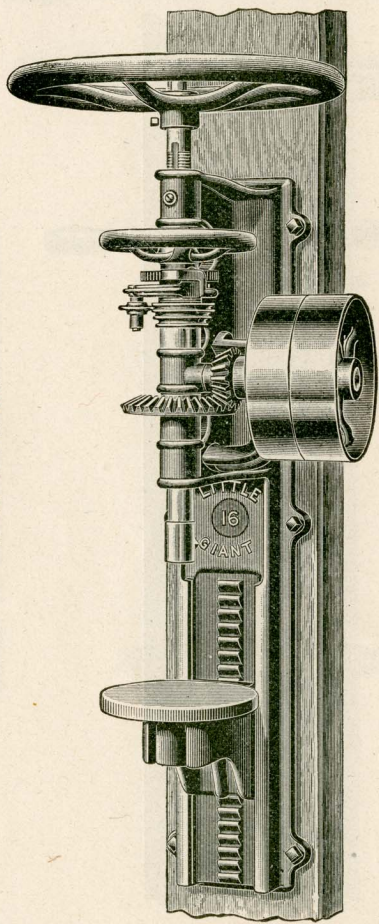


**Machine No. 14.....Price, \$16.00**



**"Little Giant" Drilling Machine.**  
*Single Geared. STRAIGHT TABLE.*

***For Power.***

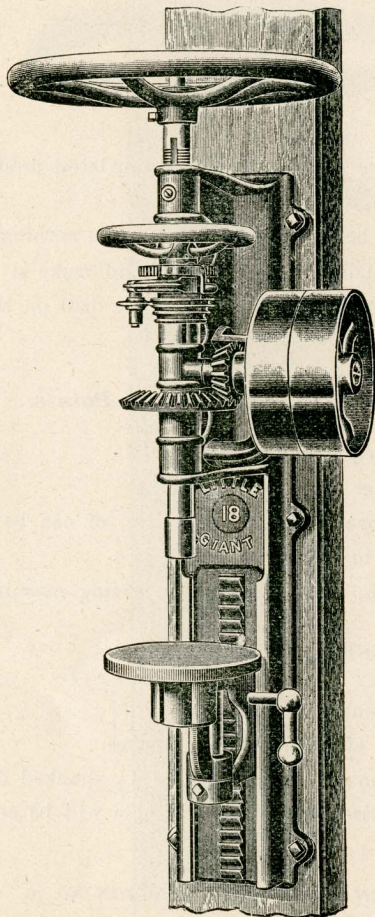


We can furnish this machine with two step Cone Pulley, if desired,  
 at same price.

**No. 16.....Price, \$18.00**

**"Little Giant" Drilling Machine.**  
*Single Geared, SWINGING TABLE.*

*For Power.*



SAME AS No. 16, except this machine has Swinging Table.

Machine No. 18.....Price, **\$19.00**

# ***"Little Giant" Blacksmiths' Drill.***

***No. 5.***

Price.....**\$10.00**

Cut on opposite page shows one of our latest productions in Blacksmiths' Upright Drilling Machines.

Although we have made the price low, nothing has been left undone in quality or workmanship to make it the most PERFECT, COMPACT, and thoroughly made drill on the market for the price.

## ***General Dimensions and Points.***

Drills to 1-inch diameter hole.

Drills to center of 15-inch circle.

Table is removable for drilling tire, or can be swung to side. Adjustable to height.

Bed is of iron, cast in one piece, giving machine

## ***Strength and Stiffness.***

Feed has a run of 4 inches.

Table has an adjustment of 11 inches.

Spindles are made to receive  $\frac{1}{2}$  or  $\frac{1\frac{1}{4}}{8}$  shanked drills.

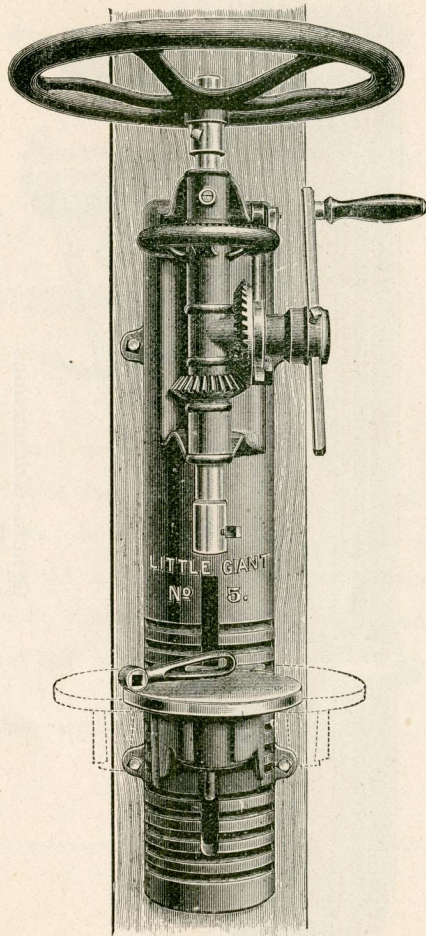
Unless otherwise ordered,  $\frac{1}{2}$ -inch hole will be sent.

***WHEN ORDERING, MENTION No. 5.***



# *"Little Giant" Blacksmiths' Drill.*

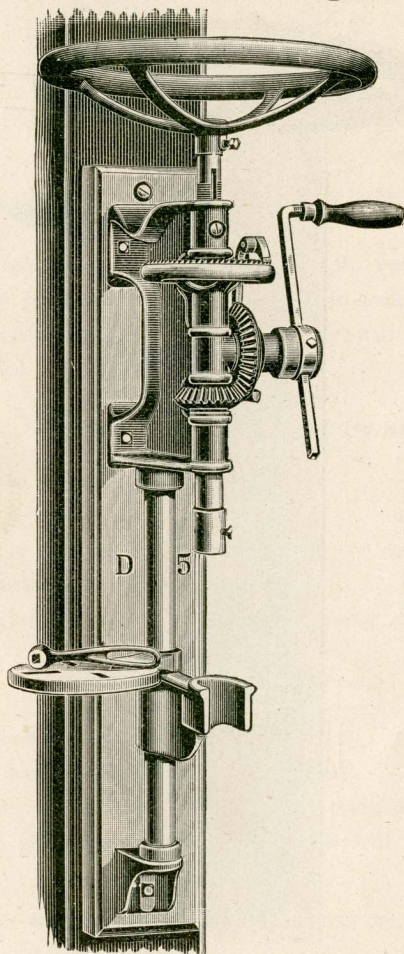
An Iron Bed Machine, stiff and strong.



Machine No. 5 . . . . . Price, **\$10.00**

## A Strong, Serviceable Drill Press.

Compact and thoroughly well-made machine in every particular.  
Guaranteed to give satisfaction.



### General Dimensions.

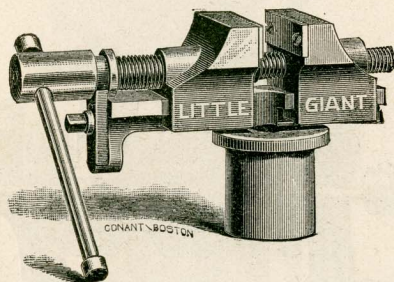
Drills to one inch diameter hole. Drills to center of 14-inch circle. Swinging Table (either side). Easily adjusted to height.

Spindle is made of steel and has TOOL STEEL SET SCREW hardened and tempered. Spindles are made to receive  $\frac{1}{2}$ -inch or  $\frac{3}{4}$  Shanked Twist Drills. Unless otherwise ordered, Spindles with  $\frac{1}{2}$ -inch hole will be sent.

No. D5.....Price, **\$8.50**

## *"Little Giant" Drilling Machine Vise.*

*For Holding All Shapes of Iron.*



A new and useful vise, for holding all shapes and sizes of articles for drilling in our drilling machines. Has steel jaws ; hole through shank to take any length. Arranged so as to be in center with spindle, or, if desired, can be thrown to one side. Jaws are operated by right and left hand screw.

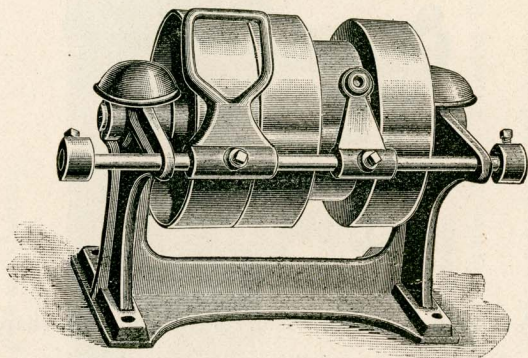
This vise can be used on Nos. 2, 4, 6, 12, 14, 16 Drills.

	Price.
Complete.....	<b>\$8.00</b>



## *"Little Giant" Drilling Machines.*

### *Countershaft.*



When desired, we furnish with our upright drilling machines countershafts with cone pulley, as shown above.

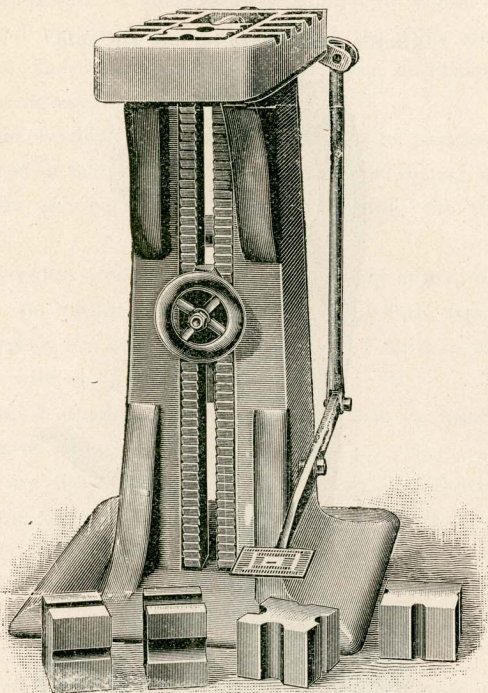
	Price.
Extra .....	<b>\$10.00</b>

These countershafts should run about 200 revolutions per minute.

Pulleys are 8 inches diameter, 2 inches face.

# Bolt Header.

No. 8.



Complete ..... Price. **\$50.00**

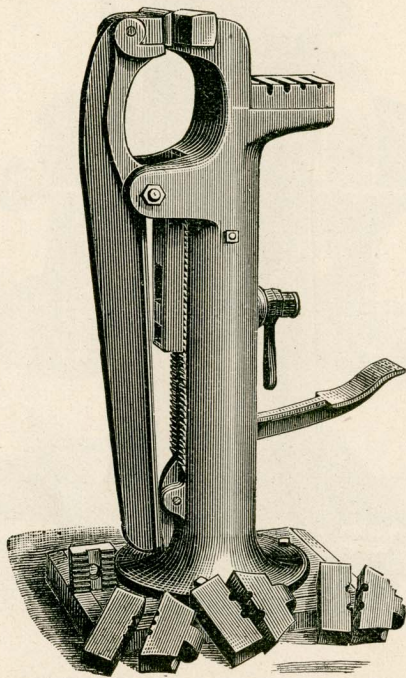
This Bolt Header is intended for heavy work, and is furnished with *steel dies* for heading bolts from  $\frac{1}{2}$  to  $1\frac{1}{2}$  inches inclusive. Takes bolts to 26 inches long. A very **strong** machine.

**ESPECIALLY ADAPTED FOR MARINE USE.**

# *Foot Vise and Bolt Header.*

*No. 1.*

*Simple, Strong, Solid, and Durable.*



For forming, sharpening, and welding calks on horse and ox shoes, for making bolt heads, and takes the place of an ordinary vise for bending and shaping hot iron, thus combining two machines in one.

Weight, 165 pounds.



## Foot Vise and Bolt Header.

Shoe calks can be made sharp or square, for winter or summer use, and the dies are so shaped that the calks are better formed than they can be in the ordinary way, and from two to three times as many.

The die on which the calks are formed is of best tool steel, and is shaped so that it forms the calk the right shape; sharp or square calks can be formed by simply turning the steel die around.

By a peculiar arrangement of the dies they *adjust themselves to the shoe*, no matter whether it is thick or thin, tapering or straight, and do not hold the shoe by *corner of the dies* as would be the case with any other arrangement.

The anvil attachment has grooves or dies for welding different sizes of sharp calks.

There are dies for making bolt heads on the following sizes of iron, from  $1\frac{1}{2}$  to 21 inches long:  $\frac{1}{4}$ ,  $\frac{5}{16}$ ,  $\frac{3}{8}$ ,  $\frac{7}{16}$ ,  $\frac{1}{2}$ ,  $\frac{5}{8}$ ,  $\frac{3}{4}$  inch. The dies for forming shoe calks and other work can be changed quickly.

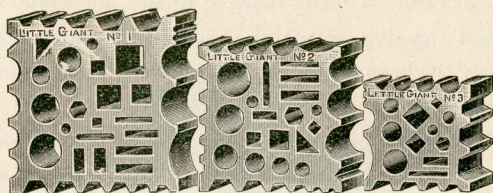
### Special Forms of Shoeing Dies

*Furnished (in place of Regular) at No Extra Charge where Drawings are Submitted.*

### PRICES.

<b>No. 1.</b>	Complete <i>with</i> Shoeing and Bolt Heading Dies....	<b>\$20.00</b>
<b>No. 2.</b>	<i>Without</i> Shoeing Dies.....	<b>17.00</b>
<b>No. 3.</b>	<i>Without</i> Bolt Heading Dies.....	<b>17.00</b>

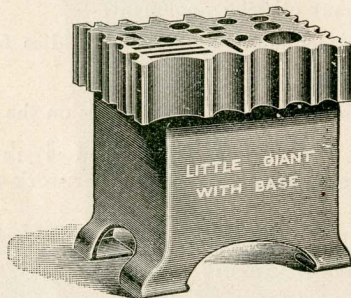
# **“Little Giant” Swage Blocks.** **For Machine and Blacksmiths' Shops.**



## **Price List and Sizes.**

	Not planed.	Planed both sides.
Swage Block No. 1—18 x 18 x 4....	\$11.00	\$13.00
“ “ “ 2—15 x 15 x 4....	7.00	8.50
“ “ “ 3—11 x 11 x 4....	4.00	5.00

Unless otherwise ordered, swage blocks will be sent *not planed*.



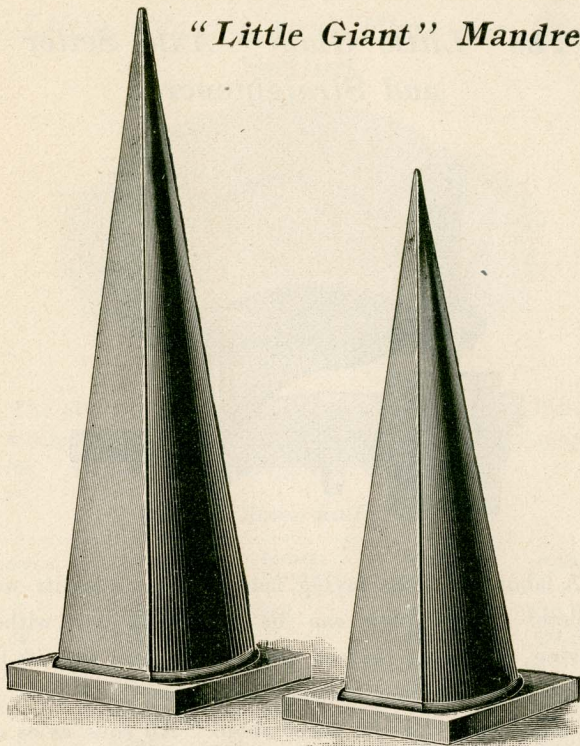
We also furnish swage blocks with base as represented above. Swage block and base are cast in one piece. When edges are used base can be tipped so that edge needed will come on upper side.

## **Price List and Sizes.**

	Not planed.	Planed.
Swage Block No. 11—18 x 18 x 4 x 16 high...	\$15.50	\$17.50
“ “ “ 12—15 x 15 x 4 x 16 “ ...	12.00	13.50
“ “ “ 13—11 x 11 x 4 x 16 “ ...	7.25	8.25

Unless otherwise ordered, swage blocks will be sent *not planed*.

## *"Little Giant" Mandrels.*



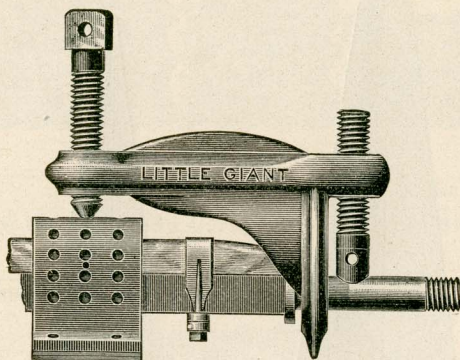
### *Description and Prices.*

Number of Mandrel.	Size of Base.	Height.	Price.
1	10 inches.	36 inches.	\$6.00
2	10 "	46 "	7.75
3	12 "	48 "	11.00
4	16 "	62 "	16.00

We make these mandrels in sizes shown above. They are flattened on one side to permit work to be grasped firmly with tongs. They have square bases, which keep them from being so easily tipped over. When ordering, mention the number of mandrel wanted.



## *The "Little Giant" Axle Setter and Straightener.*



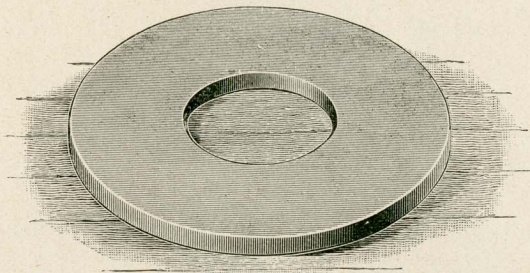
A labor and time saving machine that does its work complete. Axles bent can be accurately set without removing, making a perfect job. With the use of this machine it is not necessary to set axles on a new job until it is ready for the paint shop. All four axles can be straightened in less time than is usually required to remove one.

*Simple, Strong, and Practical.*

### **PRICE.**

**No. 2.** For axles up to and including  $1\frac{3}{4}$  inches.....**\$6.00**

## *“Little Giant” Iron Plate for Tire Setting.*



The above cut shows one of our flat Iron Tire Plates for tire setting. These plates are cast in one piece, and are supported by ribs. A strong plate, yet light for handling.

### *List of Sizes and Prices.*

NUMBER.	Form.	Outside Diameter.	Diameter of Hole.	Prices.
1	Dished	5 foot	30 in.	\$20.00
2	Flat	5 “	30 “	20.00
3	Dished	5 “	20 “	23.00
4	Flat	5 “	20 “	23.00
5	Dished	5 “	16 “	25.00
6	Flat	5 “	16 “	25.00
7	Dished	6 “	30 “	40.00
8	Flat	6 “	30 “	40.00
9	Dished	5 “ 6 in.	30 “	25.00
10	Flat	5 “ 6 “	30 “	25.00
11	Dished	5 “ 6 “	20 “	28.00
12	Flat	5 “ 6 “	20 “	28.00
13	Dished	5 “ 6 “	16 “	30.00
14	Flat	5 “ 6 “	16 “	30.00

When ordering, give number of plate.

*Please Make Note of the  
Fact*

That all of the DRILLING MACHINES illustrated  
in this catalogue

*Have  
Cut Gears.*

This is not common in the class of machines furnished  
for blacksmiths' and carriage-makers' use. BUT  
USERS will appreciate these machines.

They run smoothly and easily.

Insist on having Cut Gears on whatever make of  
machine you purchase.



