

# The Pick of the Game World

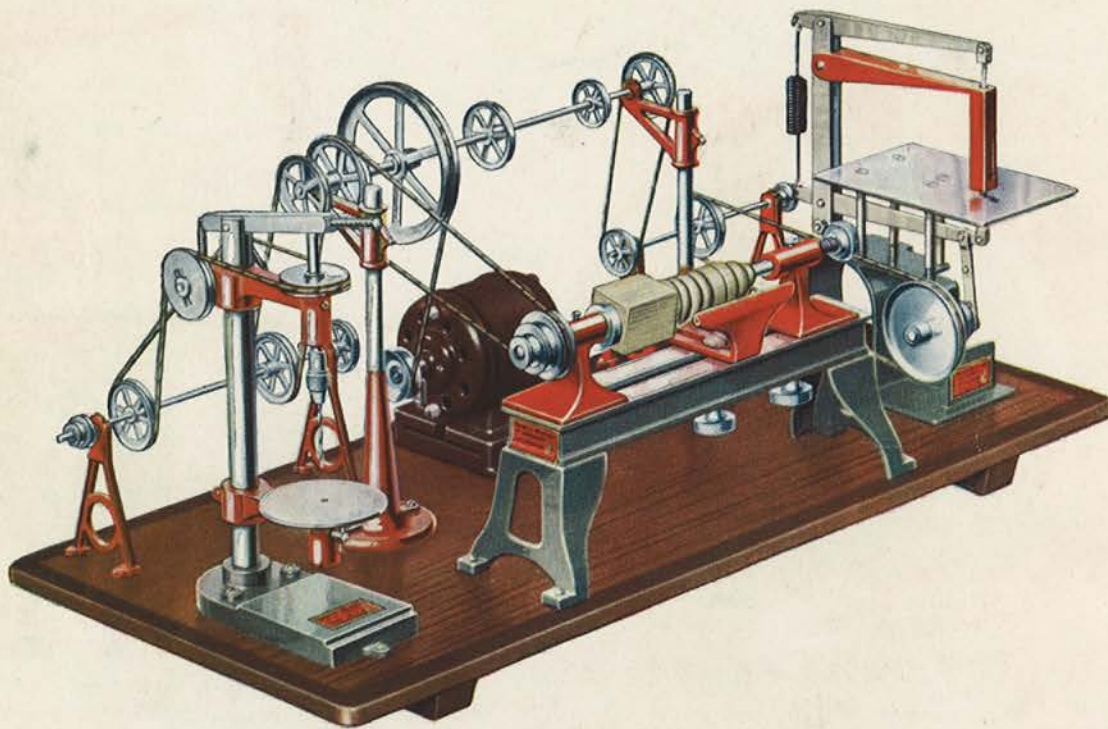


F. Murch

**KNAPP ELECTRIC CORPORATION**  
PORT CHESTER      TOY DIVISION      NEW YORK

# THE KNAPP WORK SHOP

## NO. 990 "IT DOES THE WORK"



**TRULY AMERICAN INDUSTRY IN MINIATURE**

**THIS IS NOT A TOY**

Complete \$27.50

Shipping Wt. 34 lbs.

Denver West, \$30.00

Code Name: USEFUL

**A SUPERFINE EXAMPLE  
OF MINIATURE TOOL  
AND POWER MOTOR  
MANUFACTURE**

### OUTFIT NO. 990

No. 750 UNIVERSAL, 110-volt Power Motor.  
No. 900—Jig Saw (with 3 blades).  
No. 910—Drill Press (with  $\frac{3}{8}$ " two-flute, high speed utility drill).  
No. 930—Lathe.  
No. 931, 932, 933—Cutting Tools.  
Special countershafts, pulleys, raw hide belting.  
Instruction booklet, etc.

HERE is a combination of real machine tools—run by a real  $\frac{1}{35}$  h.p. motor—the famous UNIVERSAL described on page 4. This outfit is guaranteed to give fine service and satisfaction, and contains all the essentials of a practical home workshop, where countless things can be made. And IT SELLS AT A PRICE NEVER BEFORE APPROACHED for an efficient dependable outfit.

Just think, here is a lathe that will turn a piece of wood 5 inches long, by  $2\frac{3}{8}$  inches in diameter, complete with three cutting tools made of the highest grade tool steel (illustrated below). The lathe will do more than turn, it can also be used for winding or sanding. The drill press, which comes equipped with a  $\frac{3}{8}$ " diameter two-flute high-speed utility drill, is especially designed for drilling all the following named materials: wood, metal (iron, brass, copper, aluminum and lead), bakelite, slate, etc. The jig saw will handle with ease, anything from cigar box to  $\frac{3}{8}$ " lumber, as well as bakelite for your radio panels. With the saw are furnished three tempered steel blades of high quality. To complete the outfit we furnish a profusely illustrated instruction book which gives you the care of your machines and motor, shows you how to handle the various tools, how to sharpen them, how to set them, and how to make countless different things from the simplest to the most complicated nature.

This outfit comes COMPLETELY ASSEMBLED, in a strong wooden box.

**No. 931**  
Code Name:  
SQUARE

**No. 933**  
Code Name:  
ROUND

**No. 932**  
Code Name:  
SKEW

**These Tools can be  
bought separately  
.75c each**



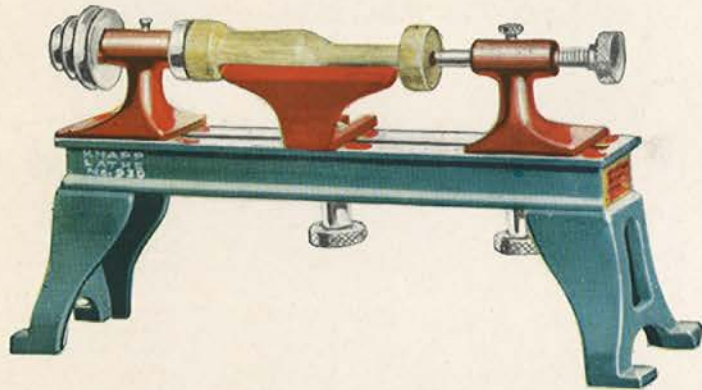
**CUTTING  
TOOLS**

**FREE WITH**

**No. 990 and 930**

# AND MACHINE TOOLS

TRULY AMERICAN INDUSTRY IN MINIATURE



## THE KNAPP LATHE No. 930

Complete with three cutting tools, (illustrated on opposite page) especially manufactured from highest grade tool steel for use with this Lathe.

FOR boys, amateur mechanics, experimenters and model makers, this lathe is without an equal at anywhere near its price. It will turn any size of wood up to 5" length and  $2\frac{3}{8}$ " diameter. The slide rest is fully adjustable the entire length of the bed, and for any diameter. It can also be turned at right angles for boring. The head rest and tail stock are also adjustable. It is equipped for most efficient work with oil cup and convenient three-step pulley.

With profusely illustrated instruction book free.

Shipping Wt., 4 lbs.

\$6.00 Denver West, \$6.50

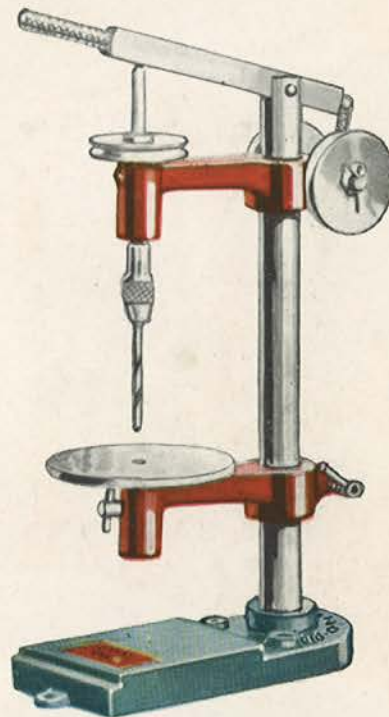
Code Name: COMPLETE

## No. 935

43 White Pine Wooden Blocks, assorted sizes, and 12 designs and templates for turning. Packed in a wooden box. Shipping weight 7 lbs.

\$1.25

Code Name: BLOCKS



## KNAPP DRILL PRESS No. 910

THIS is a high grade speed drill which will take drills from  $1/16$ " to  $3/16$ " diameter. It comes equipped with a  $1/8$ " two flute high speed general utility drill. Completing the outfit is a fully illustrated instruction book telling you how to sharpen your drills, how to drill various metals and slate. (This is most fascinating.) No Work Shop, whether you like to work with wood, metals or build radio parts, is complete without this speed drill.

\$4.50 Denver West, \$4.75

Shipping wt. 4 lbs.

Code Name: GOOD

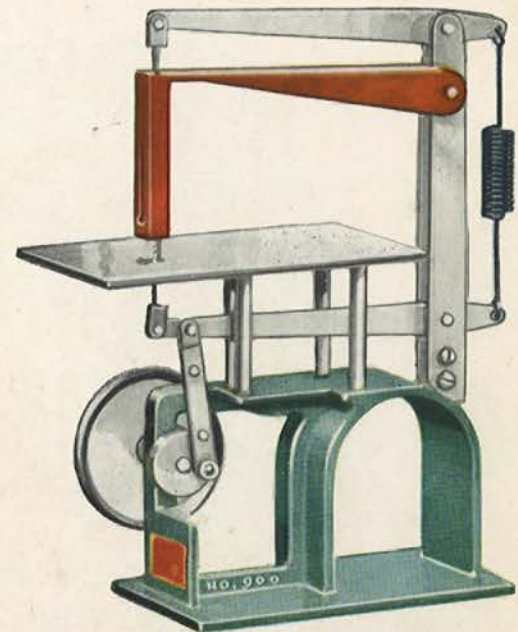
No. 911— $1/8$ " two flute utility drill. Regular equipment with No. 910. Extra, \$0.25 each.

Code Name: DRILL

No. 912—We offer a full set of nine two flute high speed general utility drills which are capable of drilling not only wood, but metals (iron, brass, copper, aluminum, lead), slate, bakelite, celeron and the like. Sizes  $1/16$ ",  $5/64$ ",  $3/32$ ",  $7/64$ ",  $1/8$ ",  $9/64$ ",  $5/32$ ",  $11/64$ ",  $3/16$ ", complete in a kit. \$2.00.

Shipping wt.  $\frac{1}{2}$  lb.

Code Name: POINTS



## THE KNAPP JIG SAW No. 900

(Furnished with three steel blades.)

THIS saw with its special tempered steel blades will easily cut anything from cigar box up to  $3/8$ " lumber—not only wood, but bakelite, celeron and the like, all of which make it a practical everyday tool for workshop, for amateur mechanic, for the set builder, the service man, and even in the playroom, for the blade is protected by a special guard which eliminates all danger. Furnished with each saw is an instruction book and wood, with a design laid out on it, ready for cutting.

\$4.00 Denver West, \$4.25

Shipping Wt.  $3\frac{1}{2}$  lbs.

Code Name: FINE

No. 901—Jig Saw Blades, 6 tempered steel blades for Jig Saw No. 900. 50 cents.

Code Name: BLADES

No. 902—20 boards,  $4\frac{1}{2}$ "x12"x $3/16$ ", and 12 designs for jig saw cutting. \$2.00. Shipping Wt., 6 lbs.

Code Name: OUTFIT

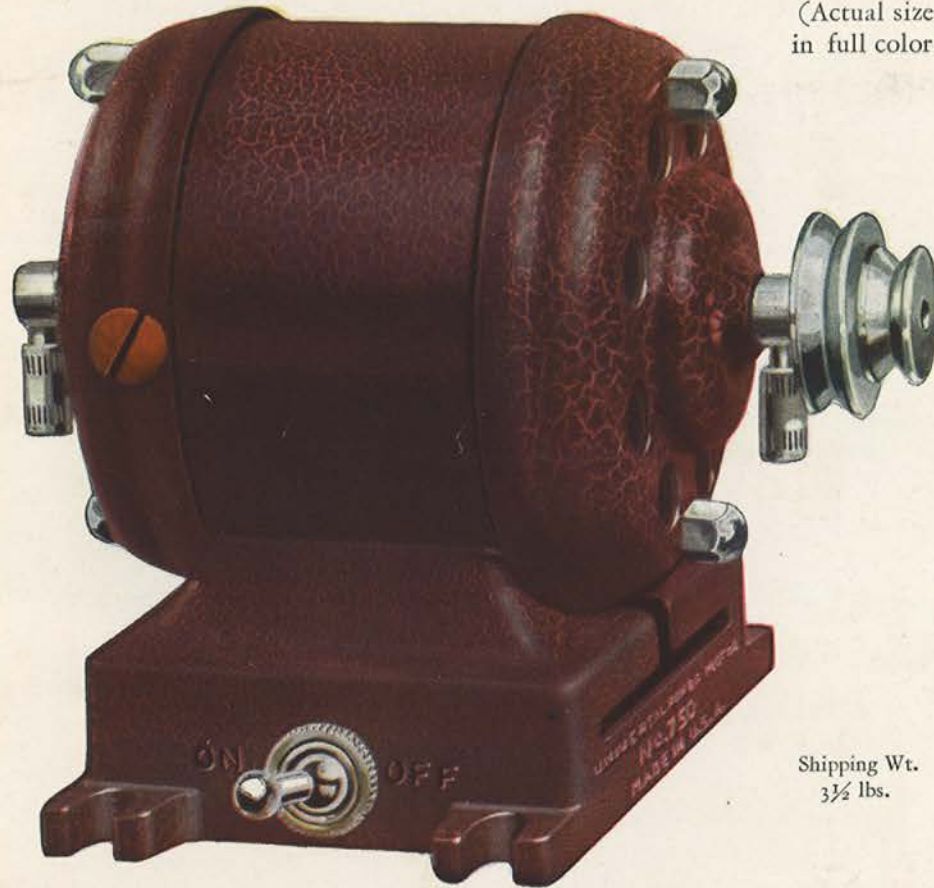
No. 903—20 boards,  $4\frac{1}{2}$ "x12"x $3/16$ ". \$1.25. Shipping Wt., 5 lbs.

Code Name: BOARDS

# UNIVERSAL POWER MOTOR

**No. 750**

(Actual size,  
in full color.)



Shipping Wt.  
3½ lbs.

## The Sensational New 1-35th Horse Power Motor

**Universal in Name - -**

**Universal in Service**

WE illustrate UNIVERSAL in its actual size, actual finish and actual color. From the picture alone you can get an idea of what a mighty step forward in motor building it is. Its finish is most attractive and it is as tough and durable as it is beautiful. Add to this its big oil cups, each with a year's supply of lubricant, its conveniently located on-and-off switch in base, its handy 2 step pulley.

Read the specifications taken from the New York Testing Laboratories' report No. X-27887 on this motor, shown underneath the illustration. Look at the bearing specifications—"Best quality bearing bronze 5/8" long." Note the commutator specifications—"Bars, hard drawn copper, segment insulation; Mica\* and bakelite."

And the most unique feature of all is the fact that the brushes can be removed and replaced easily from the outside, without removing the end cap. This makes replacing worn-out brushes a simple matter, for although the brushes in this motor have 3000 to 4000 hours of life, the brushes of any motor will in time wear out.

Finally TURN IT ON. Hear the smooth low hum of frictionless power—a full 1/35th Horse Power. You cannot help but agree, IT IS EVERY INCH A MOTOR.

### Specifications:

Universal Power Motor No. 750.

Field—Laminated, enclosed type, 2 pole.

Armature—Laminated 1½" Diameter.

Shaft—5" long, 3/16" Diameter.

Commutator—Bars, hard drawn copper, segment insulation; Mica and bakelite.

Bearings—Best quality bearing bronze, 5/8" long.

Lubrication—Large size grease cups with spring and wick feed.

Pulley—Two step: 5/8" and 1" Diameter.

Body—3" Diameter, 4" High, 6 ft. cord and separable plug.

Finish—Red and Black.

### Test Data:

#### Voltage 120 Direct Current

Horse Power	Torque Oz.	In.	Amp.	Speed R.P.M.	Res. of motor at 20° C.	Temp. of Field Frame After 1 hr. 30 min. on D.C. Test	Temp. Ambient
.0267	6.35	.51	4230	125	Ohms	60° C.	25° C.

#### Voltage 118 Alternating Current 60 Cycles

Horse Power	Torque Oz.	In.	Amp.	Speed R.P.M.	Temp. of Field Frame After 1 hr. 30 min. on A.C. Test	Temp. Ambient
.0282	6.34	.547	4480		55° C.	25° C.

Note: This motor is designed to operate on alternating current of any commercial frequency (25, 40, 50 or 60 cycles), 105 to 130 volts. Or on Direct Current 105 to 120 volts.

It costs less to operate than a 75-watt Incandescent Lamp.

\$7.50 Denver West, \$8.00

Code Name: POWER

\*MICA is the insulating material used only in the commutators of high grade motors.

# The KNAPP Line of COUNTERSHAFTS

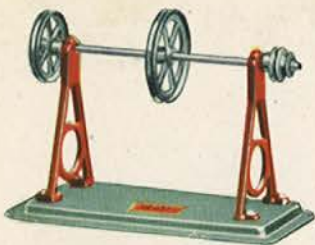
New and Superior

## FRICITIONLESS TRANSMISSION BEYOND BELIEF

WE wish to call your special attention to this new line of Countershafts. For the past year we have been experimenting with the use of various kinds of materials, different designs, etc., etc., with the view of bringing out a line of practical countershafts—not flimsy, impractical toys such as everyone has been obliged to put up with until now.

The result has been that we can now absolutely recommend a line of countershafts which are well made, well balanced, durable, efficient devices. The shafting proper which is made of ground and polished drill rod is accurately straight and the machine work is minute in every detail. Consequently the shafts operate without friction or binding. The pulleys are all adjustable to any position on the shaft and are held by means of set screws. At all necessary points oil holes are provided. In finish and design, a glance is all that is needed to show what a wonderful money's worth they are.

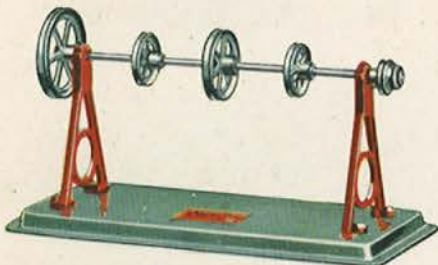
P.S.—Mr. Dealer: They will sell on sight, for in spite of the UNUSUAL and APPARENT value that is in them, you will note we are able to price them no higher than inferior styles.



No. 960—3-Pulley Countershaft. 2 single, one double pulley. Rigidly mounted on heavy gauge metal base. Finished in red and battleship gray. ZAPON lacquer enamel. Height 4 $\frac{3}{4}$ ". Length 6". Shipping wt. 1 lb.

\$1.00 Denver West, \$1.10

Code Name: ACE

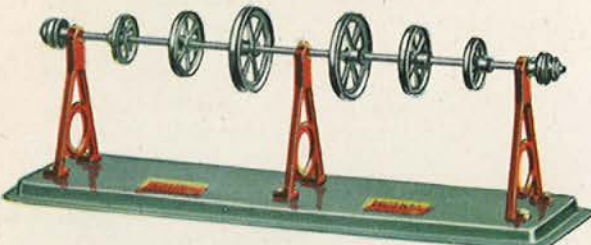


No. 965—5-Pulley Countershaft. 4 single and one 2 speed pulley. Finish, design and general appearance same as No. 960. Height 4 $\frac{3}{4}$ ". Length 8". Shipping wt. 1 $\frac{3}{4}$  lb.

\$1.50.

Denver West, \$1.65

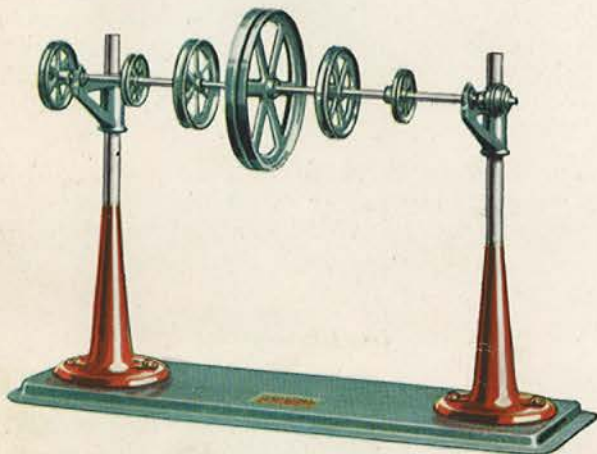
Code Name: ADVANCE



No. 970—8-Pulley Countershaft. A wonderful value. 6 single and 2 two speed pulleys. Three uprights maintain rigid alignment. Finish and style similar to No. 960. Height 4 $\frac{3}{4}$ ". Length 12 $\frac{3}{4}$ ". Shipping wt. 2 lbs.

\$2.50 Denver West, \$2.75

Code Name: ABLE

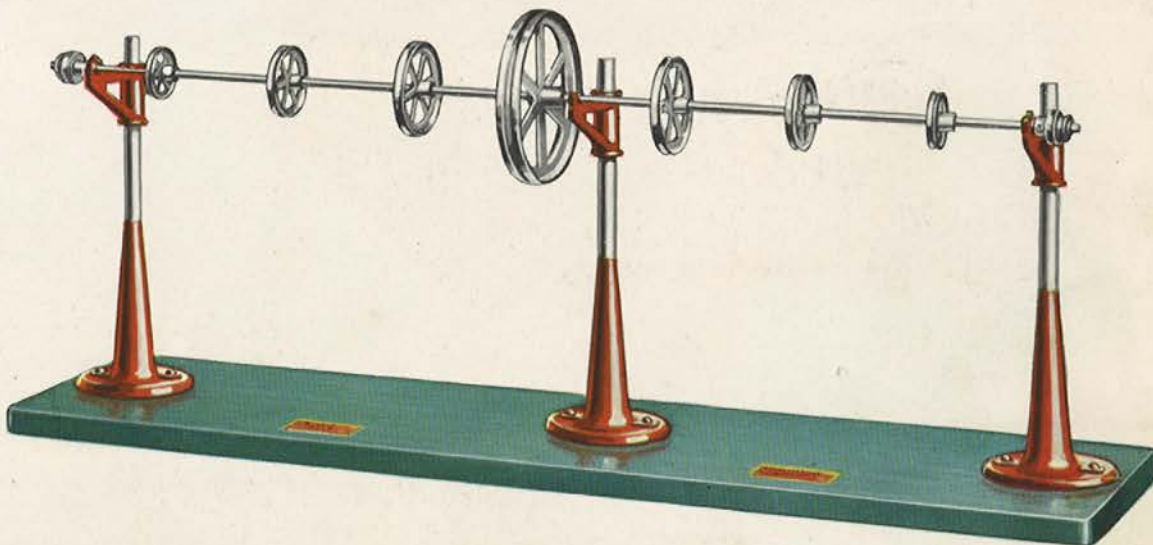


No. 975—7-Pulley ADJUSTABLE COUNTERSHAFT. 6 single and one 2 speed pulley. Adjustable brackets. Uprights 8" tall. Finished in red and battleship gray ZAPON lacquer enamel.

Height 8 $\frac{1}{2}$ ". Length 12". Shipping wt. 3 lbs.

\$3.50 Denver West, \$3.75

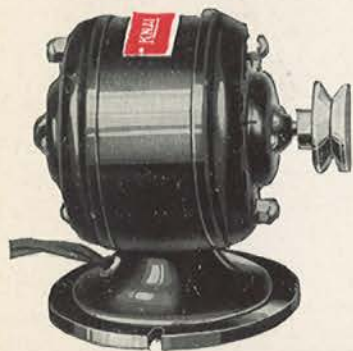
Code Name: BEAUTY



No. 980—The De Luxe 9 Pulley Countershaft. This is the finest countershaft of its size and type ever offered the public. 7 single and 2 two-speed pulleys. Adjustable brackets for raising and lowering shaft. Pulleys finished in nickel plate. Bases of uprights, in red Zapon and nickel plate. Base and brackets battleship gray. Wood base. Length 23 $\frac{1}{2}$ ". Height 9". Shipping Wt. 4 $\frac{1}{2}$  lbs. \$7.50 Denver West, \$8.00.

Code Name: DELUXE

# 6 KNAPP POWER MOTORS, BATTERY MOTORS AND SPECIALTIES



**No. 710. 110 Volt  
Power Motor,  
1/60th Horse  
Power Universal  
(A. C., D. C.)**

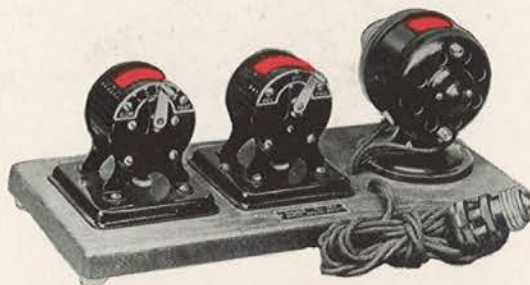
This reliable and ever popular type is standard amongst small motors of its rated capacity . . . a motor which for years has enjoyed a nationwide reputation for service and durability.

*Specifications*  
110 V. a.c., d.c.  
Field laminated, enclosed type 2 poles.  
Speed: running free 6000 r.p.m. under load 3000 r.p.m.  
6 ft. cord and separable plug  
Height 3 3/8", diameter 3 3/4"  
Shipping weight 3 lbs.

Armature laminated, 1 1/2" diameter  
Shaft, 4" long, 3/16" diameter  
Commutator, drawn copper bars  
Oil wicks, 1" pulley

\$5.00 Denver West, \$5.50  
Code Name: STANDARD

P. S.—Mr. Dealer, please note reduction in price of this popular number.



**No. 730. KNAPP Super Power Plant  
for 110 Volt Use**

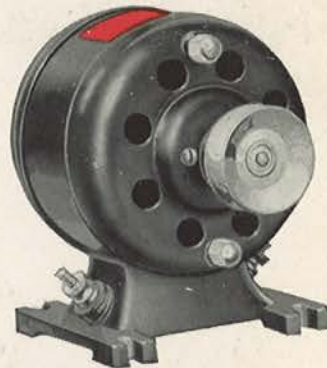
Consists of No. 710 Motor, No. 727 Starting and Reversing Switch, No. 726 Rheostat, 6 ft. cord and separable plug. Enables you to get 5 different speeds forward, and 5 reverse out of your 1/60th h.p. 710 Motor. Mounted on heavy oak base 5" x 13". Rubber feet, concealed wiring. Shipping wt. 5 1/2 lbs.

\$12.50 Denver West, \$13.75  
Code Name: SUPER

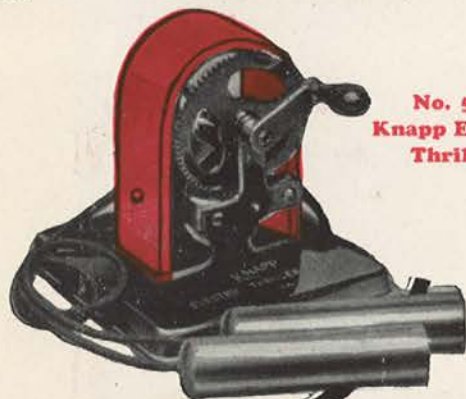
**No. 700  
6 Volt Power  
Motor**

No. 700 is an extremely popular motor because it is the only type of motor that can be used in homes and localities where electric current is not available. It corresponds to No. 710 in size and specifications except for the shape of the base, and is ideal for operating small mechanical devices. Sh. wt. 3 lbs.

\$5.00  
Denver West, \$5.50



Code Name: AUTO



**No. 500  
Knapp Electric  
Thriller**

The popularity of the Electric Thriller is established beyond question. A turn of the crank . . . and the fellow holding the handles gets the shock of his life . . . absolutely harmless, but startling, and full of kick. Mechanically perfect. Permanent chrome steel magnet. Mounted on heavy metal base.

Shipping wt. 20 oz.

\$2.00 Denver West, \$2.15  
Code Name: LOOK



**No. 499. KNAPP Transformer**

(The Only One-Volt Step Transformer on the Market)

This exclusive Knapp feature is a great advantage especially for operating motors and electric trains. 5 different voltages may be drawn off at once, making it possible to operate 5 different things all at the same time: permanent voltages, 6 and 12 volts, also 1 to 6, 7 to 12, 13 to 18. Operates all Knapp battery motors, Lionel, and all types Bing and American Flyer trains.

Separate plug, 6 ft. cord. Shipping wt. 6 lbs.

\$4.50 Denver West, \$5.00  
Code Name: MANY



**No. 726. Rheostat for 110 Volt Use**

Operated by hand lever, gives five different speeds. Dial indicator. Black Japan Finish, nickel trim. Easy to connect into line of any motor such as 710, or any 110v motor taking not more than .3 ampere. Full instructions are furnished. Shipping wt. 1 lb.

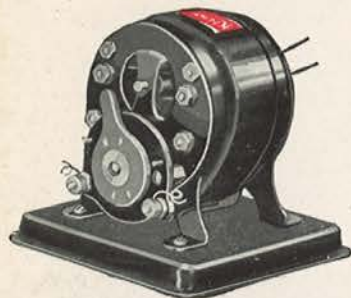
\$2.50 Denver West, \$2.75  
Code Name: SPEEDS

**No. 426. Battery Motor Rheostat**

Identical with No. 726 in every way, except that it is adapted for control of battery motors only, such as 460, 440, 405, etc. Shipping wt. 1 lb.

\$2.50 Denver West, \$2.75  
Code Name: CONTROL

### No. 460. Giant Extra Motor



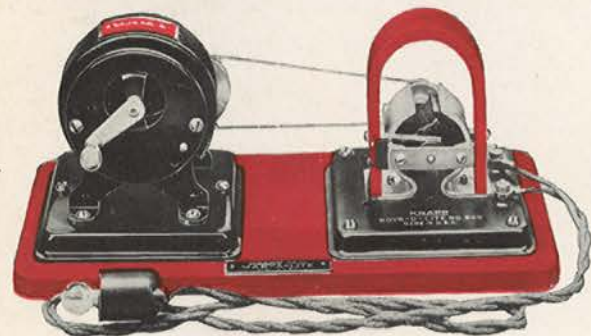
A real motor in every sense of the word, completely equipped with base, cover, starting and reversing switch. One of the most popular battery motors ever made. Operates 2 to 4 volts on battery, 8 volts on A.C. through a transformer. Spring copper brushes, horse shoe type, laminated field, 3 pole armature, laminated. Shaft 2 1/2"

long, .128" diameter. 3 3/8" high, 4" base. Shipping wt. 1 1/2 lbs.

\$2.50 Denver West, \$2.75

Code Name: EXTRA

P.S.—Mr. Dealer: Quantity production has enabled us to reduce the price of this standard item.



### No. 510. Mak-A-Lite

This outfit makes it possible to create electricity, sound a buzzer, ring a bell, or light a lamp (furnished) with a turn of the wrist. Consists of an A.C. Generator, No. 505 hand operated power plant, Mazda Lamp 507 and cord 506. All mounted on a red enameled wood base. Shipping wt. 3 lbs.

\$4.00 Denver West, \$4.25

Code Name: MAKE

### No. 515. Dan-D-Lite

Similar to No. 510 except that the hand operated power plant has been replaced by a Motor (460), so that the outfit can be operated direct from batteries or on A.C. through a transformer.

Shipping wt. 3 lbs.

\$5.00 Denver West, \$5.50

Code Name: DANDY

### No. 422. Raw Hide Belting

The finest grade of twisted rawhide belting, same as used with the Knapp Work Shop. This type of belting has been found to surpass all others in durability, flexibility and power delivered, as well as in ease of attaching. Four ft., 4 connectors.

75c per package

Code Name: RAW



### No. 440. Giant Motor

Identical with No. 460 in every particular except that it has no starting and reversing switch. It sells at a very low price for a quality built motor. Shipping wt. 1 1/2 lbs.

\$2.00 Denver West, \$2.15

Code Name: SPECIAL



### No. 505. Boys'-D-Lite

This is the generator described in No. 510 and No. 515. It is A.C. type and can be hooked up with any motor to form a practical 2 1/2-volt alternating current generator that will light a small lamp, or operate a bell or buzzer. A popular low priced item. Shipping wt. 1 lb.

\$2.00 Denver West, \$2.15

Code Name: LIGHT

### No. 421. Spiral Belting

Two feet of 3/8" Spiral Spring Belting and 3 connectors (for use on low voltage motors and outfits such as 505, 510 and 515.)

25c per package

Code Name: SPIRAL

### No. 405. Little Giant Motor

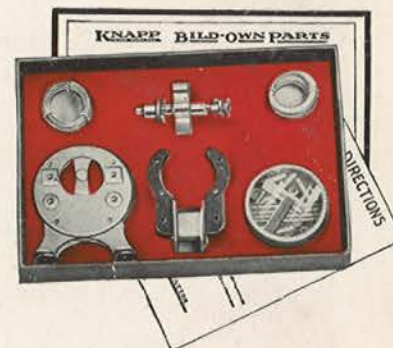
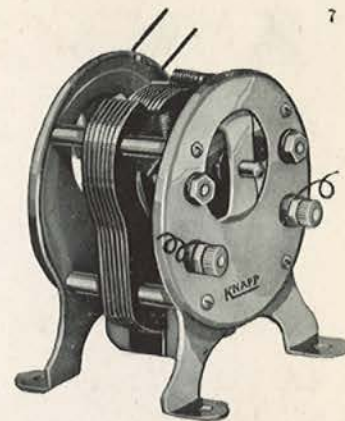
All the fine workmanship that characterizes the Giant Line is found in the Little Giant. However, not being equipped with either cover, base or switch it can be sold at the very low price of \$1.50.

Sh. wt. 1 1/4 lbs.

\$1.50

Denver West, \$1.60

Code Name: GIANT



### No. 400.

#### Build-Own-Parts

\$1.50. Denver West, \$1.60

The complete parts of a Motor, with illustrated booklet "Electricity and Magnetism" (sold separate, 25 cents) giving full instructions for assembling a sturdy, reliable motor that operates on 1 1/2 to 3 volts. It is simple to construct, yet the practice its assembling affords is in reality a practical course in electricity that has benefited many thousands of boys. This outfit is very popular for class room work. Shipping wt. 1 1/2 lbs.

Code Name: TEACH

### No. 506. Cord

Two ft. lamp cord with socket and binding post connectors. Standard on 505, 510, 515.

30c Denver West, 35c

Code Name: REACH

### No. 507.—2 1/2 volt Mazda Lamp. 20 cents

Code Word: MAZDA

# GES-IT

## 4 Games In One

FOR \$1.00 LIST

*It Has Variety.* 96 pictures in all, every one in natural colors, twenty-four on each card.

*It Is Beautiful.* Each card—the work of an artist of established reputation—is bright, vivid, bound to be seen.

*It Is Instructive.* Each subject is accurate, in picture and description . . . painted only after careful research.

*It Is Easy to Play.* Any child old enough to read can instantly grasp its operation. Yet it has a real appeal to grown-ups as well.

**IT SELLS AT A  
POPULAR PRICE—  
\$1.00 ONLY.  
Denver West, \$1.10**

Shipping Weight: Single, 2 lbs.  
Standard package of 24, 32 lbs.

Code Name:  
WONDER



EVERY ONE WORTH THE PRICE WE ASK FOR THE FOUR. INTER-CHANGEABLE IN AN INSTANT.

- (1) Mr. and Mrs., or Birds and Their Mates.
- (2) Strange Peoples and Their Abodes.
- (3) Modes of Travel in Many Lands.
- (4) Mother Goose People.

Questions are answered by sliding the card up with the thumbs. One set of numbers disappears, another appears, forming the key.

# GAME VALUE TODAY.





# NEW ELECTRIC QUESTIONER

Drastic improvements, new and sensational in character, make this year's Questioner even more interesting and more fascinating than ever before. Pictorial Series No. 81-88, CARDS COLORED OVER THEIR WHOLE SURFACE . . . MAKE THE QUESTIONER DOUBLY ATTRACTIVE. And each of these cards pictures a complete story. First, there is the story of Alice in Wonderland. Then Robinson Crusoe—every Boy's Favorite; the age old Bible drama of Joseph and His Brethren; the deeds of Baron Munchausen, the world's greatest and most lovable liar; and a beautiful rendition in color of Longfellow's immortal poem "Evangeline." The historical cards, The American Indian in History and Legend and Famous Ships of American History, are accurate and beautiful treatments of subjects that interest all, and the unusual natural history card, Swamp Life in America, presents in a vivid and natural setting, the denizens of our swamps and everglades. Each card is a beautiful and carefully prepared work of art, produced by artists of national reputation, after careful research on each of the subjects.

To make the new Questioner improvement 100% complete, we have added the twelve new prize winning printed cards, selected from the 1926 Contest. These cards have been selected from the thousands and thousands sent in by owners of the Questioner from all parts of the country during the last year.

**NO INCREASE IN PRICE**  
**\$3.50 Denver West, \$3.75**

Code Name: NEW

Shipping wt.: single, 4 lbs.  
 Standard package of 12, 32 lbs.

Below in panels are shown single pictures from each of the new colored cards, 81-88, to give you just a peep at the fascinating manner in which these subjects are handled.



No. 86—Evangeline.



No. 87—Joseph and His Brethren.



No. 88—The Adventures of Baron Munchausen.

### Extra Sets of Cards for the Electric Questioner

You can multiply the enjoyment your Questioner gives you many times over, and make its variety endless by owning these extra sets of cards.

Set A—Nos. 13 to 24 inclusive, General Information (History, Geography, Discoveries, Inventions, Famous Men and Women) . . . . . 50c

Set B—Nos. 25 to 36 Blank. (For making up special Questions for parties and entertainments.) . . . . . 50c

Set C—Nos. 37 to 48 Conundrums. A collection that millions have laughed at and puzzled over . . . . . 50c

Set D—Nos. 49 to 60 Quotations from wise men. Hundreds of them from all parts of the world . . . . . 50c

Set E—Nos. 61 to 72 American History, from Age of Discovery through Revolution. One of the most popular sets . . . . . 50c

Set F—Nos. 73 to 80 True to Life Series in full natural colors (Song Birds, Game Birds, Wild Animals, Fish, Native Animals, Butterflies, Dogs and Flags) . . . . . \$1.00

Set G—Nos. 81 to 88 Pictorial Series, illustrated on this page . . . . . \$1.00



### MR. DEALER:

Your customers who read this catalog will be interested to know that you have the Questioner Library, No. 328, so that now you can have on hand a complete set of all Questioner cards all the time. This library is an upright case for holding an assortment of fifty sets of Questioner cards, making a wonderfully complete display.

Code Name: DISPLAY

# 8 STARTLING NEW COLORED CARDS

## feature the

Pictorial Series No. 81-88  
HISTORY LITERATURE LEGEND  
FAMOUS SHIPS OF AMERICAN HISTORY  
No. 81

### Electric Questioner. Answers by Electricity

Copyrighted by Knapp Electric Corp.,  
Port Chester, New York

**MATEBGS**  
The word that  
the name of the  
store is the name  
of them

**KDZKJG**  
Which metal  
is the gold  
in brass?

**WUVEY**  
My wife  
is the name  
of the  
girl

**PERER**  
Very and  
fast and  
hot

**LEOTAR**  
The name of  
the ship  
that was  
sunk

**TRAME**  
The name of  
the ship  
that was  
sunk

**RIFUR**  
The name of  
the ship  
that was  
sunk

**ZTIEZO**  
The name of  
the ship  
that was  
sunk

**PITOMAS**  
The name of  
the ship  
that was  
sunk

**SHANPA**  
The name of  
the ship  
that was  
sunk

**AGETAB**  
The name of  
the ship  
that was  
sunk

**BAENAY**  
The name of  
the ship  
that was  
sunk

**TOROS**  
The name of  
the ship  
that was  
sunk

**FINTASE**  
The name of  
the ship  
that was  
sunk



No. 81—Famous Ships of American History.



No. 82—Alice in Wonderland.



No. 83—Swamp Life in America.

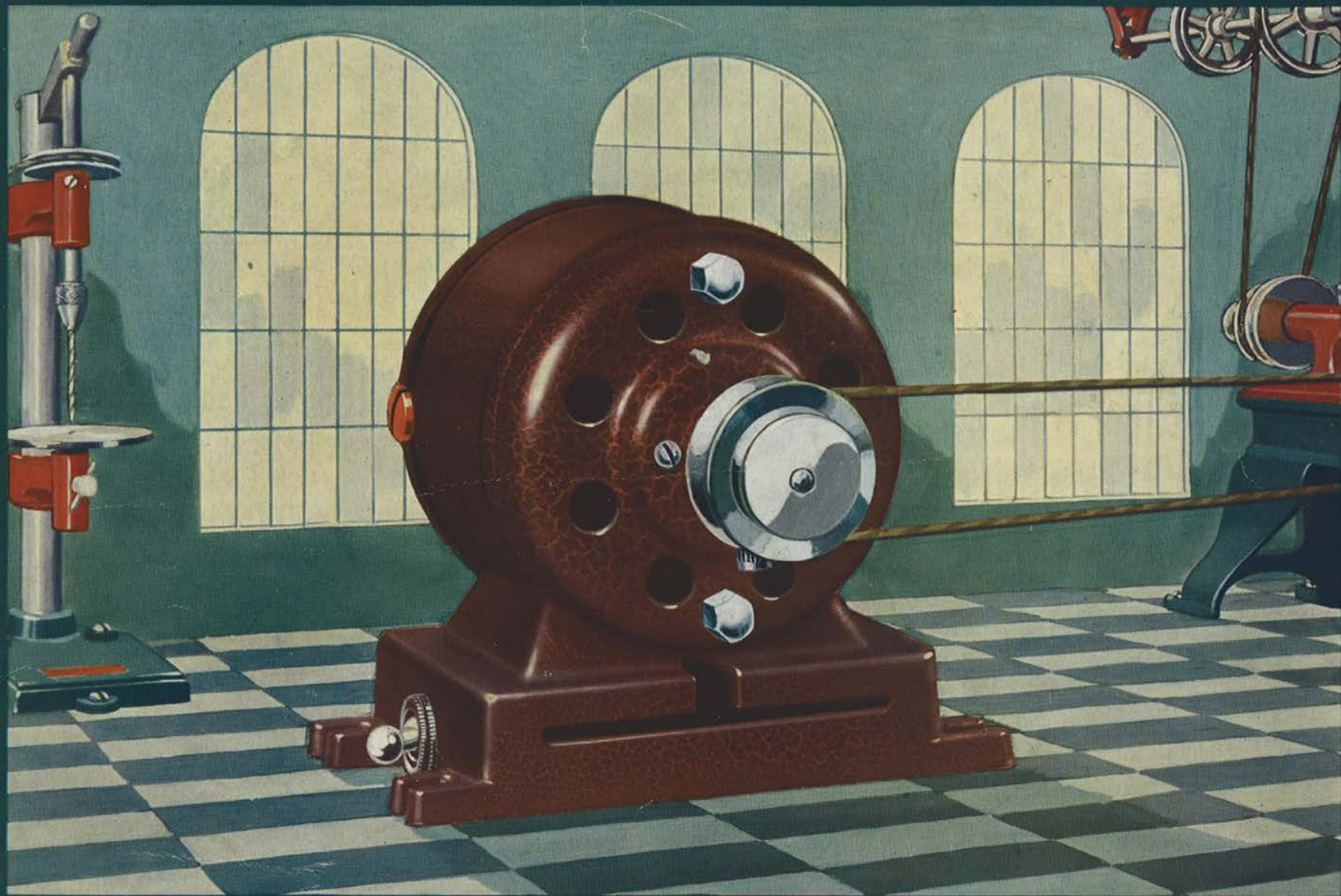


No. 84—Robinson Crusoe.



No. 85—The American Indian in History and Legend.

# AMERICAN INDUSTRY IN MINIATURE



**KNAPP ELECTRIC CORPORATION**

**PORT CHESTER**

**TOY DIVISION**

**NEW YORK**