BOYS: Wouldn't you like to have a real he-man type power equipment in your work shop? A sturdy motor driven lathe—a drill press—or motor operated jig saw. Not just lightly constructed toy type equipment with little power but sturdy, dependable, serviceable units, operated by powerful induction motor. Rugged machines, built for precision work and professional like results. Just think of the fascination of it all—hours and hours of fun making real things in a real craftsman like manner. Imagine turning parts for light furniture pieces—something for your den or the home like chairs, tables, bookcases, foot stools and novelties of all sorts and designs.

How handy a motor driven drill press will be and what a variety of articles you can make with a real jig saw. See the Gilbert Machine Tool line at your favorite toy store. Take Dad along and show him just what you want to make your workshop complete.

POWERFUL MOTOR DRIVEN LATHE

A beauty in looks and a beauty in performance

No. A 810

$8.95

Practical lathe for home or commercial use. Driven by powerful Gilbert Induction Motor operating on 110 volts, A.C. only. Toggle switch control. Turns 1750 R.P.M. Motor spindle threaded to accommodate face plate and standard chuck. Spindle fitted with ball thrust bearing 5/8" heavy gauge steel bed with embossed ways to insure accuracy. 5º swing. Complete with tool rest, tail stock, wrench, card and plug cap. Sliding Tail stock, Face plate and Chuck purchased separately. Finished in nickel and blue.

No. 800 BELT DRIVEN LATHE

Same as above except drive is through 3-step V pulley, mounted on headstock, in place of electric motor. Price $5.95.

Every boy wants a Jig Saw

No. 10 $12.50

Big, sturdy, powerful and speedy. Cuts with absolute precision. C frame with reinforced cross sections, 6½ square steel work table, spring tension on saw, instantly adjusted, adjustable presser foot for holding work in position. Roll guide prevents tears against bearings. Cast iron drive wheel, one side scored for attaching sandpaper discs for smoothing work. 110 volt Universal Motor, A.C. or D.C., with simple oscillating motion having minimum vibration. Motor enclosed in heavy shell, rigidly mounted to C frame. Finish blue and black.

No. 5—$6.25

Fast cutting with vibration reduced to minimum. Uses a 6" loop end saw, actuated by hardwood rocker arm. Simple crank type oscillating motion, belt drive, 6½ square steel work table and adjustable saw tension. Rugged cut resistant frame. Iron drive wheel has sandpaper disc for smoothing work. Driven by 110 volt Universal Motor, A.C. or D.C. Toggle switch control. Complete with cord and plug cap. Saw blade travels approximately 1000 cutting strokes per minute. Finish blue and black.
GLASS BLOWING
New Gilbert Scientific Outfit for the Boy Experi-
menter with Many Tricks and Stunts

I wonder how many of you boys realize what fascinating fun there is in experimenting with glass, and what you can actually do with this substance. Of course we see glass everywhere, we know it is used in hundreds of different ways and we realize its great importance, yet to do things with it ourselves is something we probably haven't given much thought to, but once we test our ability in the various forms of experimental glass blowing we soon find out there is plenty of sport we've been missing.

Just imagine building a submarine, apparatus, levels, air guns and doing all sorts of magical experiments. You can do all these and more too with a Gilbert Glass Blowing Outfit and you'll find it great sport all the way.

There's Thrilling Adventures and Discoveries in
Gilbert Micro-Chemistry Sets

Genuine thrills and sensational discoveries that will delight the heart of any boy is yours with the equipment in these wonder combination Micro-Chemistry sets. These sets that you have never seen before—sets that you never believed existed are brought to your door vision through the smogging eye of the microscope. Thrilling discoveries of action—color and life of nature's wondrous secrets are revealed, and tuning the sub-world with an inexpensive eye-piece is the most exciting pleasure that one can compensate your journey of exploration into the world within the world is a most fascinating adventure. But this is not all, boys. A large assortment of chemicals and necessary equipment is also included that permits dozens and dozens of amazing Chemistry experiments. For example, the fantastic designs formed by crystallizing chemicals, when watched through the Microscope, is one of the many highly interesting observations. Hundreds of other scientific experiments and crystallizing illusions are also revealed. Two interesting instruction books packed in each outfit together with complete apparatus and necessary assortment of accessories. Be sure and see these sets at your favorite toy store.

Make Your Friends Gasp With Wonder
With the Mysterious
GILBERT ELECTRIC EYE

Boys! here's one of the most fascinating and amazing inventions the world has ever known. The Electric Eye! No doubt you've heard about its wonders. How it opens doors, stops elevators, counts and sorts everything from beets to automobiles. Now Mr. Gilbert—the famous inventor of Electric—has made it possible for you to have an Electric Eye of your own. With this marvelous new device you can do things more mysterious than any magician ever dreamed of. Think of doing these uncanny stunts.

Turning Off a Reading Lamp by Waving Your Hand

Imagine Dad's surprise some night when you suddenly cut off his electric light by just waving your hand in front of the Electric Eye. He won't know what's happened.

Light an Electric Light by Striking a Match

It sounds unbelievable, doesn't it. Yes all you have to do is strike a match, hold it in front of the Gilbert Electric Eye and the eye turns on the electric light.

There are other startling things you can do too, such as controlling your electric train by a wave of your hand, sleuthing a radio with a flashlight and making the sunrise ring an alarm. See the Gilbert Electric Eye at your toy store.

GILBERT THRILLS

Sound Reproduction on Newsprint

A method of printing sound records on ordinary paper or newsprint was demonstrated in London recently. The records are made by wrapping a photographic film, measuring about 7 x 7 inches by 10 inches, around a rotating cylinder. As the cylinder rotates, a narrow strip of the film is exposed to the light from a photo-electric cell, the illumination being controlled by a microphone connected in the circuit through an amplifier.

This beam of light is arranged to move along the axis of the cylinder, so that a series of lines of records of the sound variations of a microphone connected in the circuit through an amplifier. The negative thus obtained is used to make a printer's block, and this block in turn is employed to obtain reproductions on separate sheets of paper, or on one or more pages of a newspaper.

To reproduce the sound the paper record is wrapped round a similar cylinder in the receiving apparatus and is exposed to a narrow and highly-concentrated light beam from any convenient source. This light in turn is reflected from the record to a photo-electric cell or cathode-ray oscillograph, the intensity of the reflection being controlled by the lines on the record that are exposed to the light as the beam traverses the cylinder. The variations in current thus obtained are then amplified and used to operate an ordinary loud speaker. It is claimed that there is no difficulty in obtaining good reproduction from an ordinary sheet of newsprint, provided that the surface of the cylinder is highly polished.

GILBERT ELECTRIC EYE

A "Radium Hen"

In spite of small extreme care hospitals occasionally lose or misuse radium. "Radium birds" are sometimes lost down sink strainers. This happens because the radium is not kept in a safe place. A special safe is necessary for radium. Yet there are other startling things you can do too, such as controlling your electric train by a wave of your hand, sleuthing a radio with a flashlight and making the sunrise ring an alarm. See the Gilbert Electric Eye at your toy store.

Making the Sun Rise

You can also make the sun rise by using the electric eye. Just wave your hand in front of the eye and the lamp will light up. This is a great way to wake up in the morning.

The Electric Eye is not only good for waking up, it can also be used to control your toys. You can make your toy submarine move by waving your hand in front of the eye. The more you wave, the faster your toy submarine will move.

The Electric Eye is also useful for experiments. You can use it to make your toys do tricks, such as flying in the air or swimming. You can even use it to make your toys sing and dance.

The Electric Eye is a great invention, and you should try it out as soon as possible. You can buy it at your local toy store.
Mystify your friends!
Be a boy magician with—
GILBERT MYSTO MAGIC

Every boy would like to be a real magician. You can—after one hour with your Gilbert Mysto Magic Set. Each outfit contains the secrets and apparatus of the World's great magicians. Their secrets lie bare to you. Their tricks and devices are yours to perform with.

So, why not be a magician right away? Make money giving shows and exhibitions of sorcery. Perform before your wondering friends many of the greatest feats of magic with which the conjurors of America, Europe and the Orient have mystified the world.

Perform mind reading illusions. Produce balls, coins, cards and bottles out of thin air, then make them disappear. Make your audience gasp in amazement.

A few minutes of practice makes you an accomplished magician.

Each trick explained in detail in Instruction Book packed in each outfit.

No duplicate tricks in Nos. 3, 4 and 5. With this group of outfits, boys, you have a complete assortment of mystifying tricks performed by the world's greatest magicians.

PRICES

No. 1 Magic . . . . . . . . $1.00
No. 3 Magic . . . . . . . . 2.50
No. 4 Magic . . . . . . . . 3.00
No. 5 Magic . . . . . . . . 4.50
No 1031 Puzzle . . . . . . 15
No 10313/4 Pattern . . . . . 50
No. 1032 Puzzle . . . . . . 1.00
No. 11 Xmas Tree Turntable (Musical) 15.50

GILBERT MYSTO MAGIC SETS

The greatest assortment of magic tricks on the market. Outfits contain secrets and apparatus of the world's greatest magicians. All tricks explained in detail in Instruction Book packed in each outfit.

At left—No. 1 GILBERT MYSTO MAGIC

Contains 18 clever tricks for the pocket or stage. Simple and easy to perform, including the Mysterious Multiplying Coin, Buddha Money, Mystery, Mystery Turn-Card Trick, Two Goring Dime, Hiding Chessman and others. Complete manual of instructions.

At right—No. 5 GILBERT MYSTO MAGIC

Contains an assortment of mystifying tricks of the World's Greatest Magicians including Pense Coin Bicycle Trick, Sengali Wind-reading Wonder, Drum Head Tube Trick, Mystifying Card Tricks, all explained in three manuals of instructions that come with this set. Outfit also includes an assortment of Mind-reading Tricks and Knots and Splices. Packed in heavy cardboard box with hinged cover.

No. 15 ELECTRIC MOTOR DRIVEN MUSICAL XMAS TREE TURNTABLE

Completely assembled supporting stand. Circular wood base, mahogany finish, four rubber feet, metal housing enclosing all mechanism. Sturdy 110-volt motor with ample power to revolve 6 to 8 foot tree fully trimmed, attached to base with spring revolving spindle. Will revolve evenly balanced load up to 100 lbs. when bulk weight is centralized directly over spindle. Removable tree socket with three thumb screws to securely fasten butt of tree. Waterproof tree socket fits snugly on to spindle. Slowly assembled supporting stand. Circular wood base, mahogany finish, four rubber feet, metal housing enclosing all mechanism. Sturdy 110-volt motor with ample power to revolve 6 to 8 foot tree fully trimmed, attached to base with spring revolving spindle. Will revolve evenly balanced load up to 100 lbs. when bulk weight is centralized directly over spindle. Removable tree socket with three thumb screws to securely fasten butt of tree. Waterproof tree socket fits snugly on to spindle. Slowly assembled supporting stand. Circular wood base, mahogany finish, four rubber feet, metal housing enclosing all mechanism. Sturdy 110-volt motor with ample power to revolve 6 to 8 foot tree fully trimmed, attached to base with spring revolving spindle. Will revolve evenly balanced load up to 100 lbs. when bulk weight is centralized directly over spindle. Removable tree socket with three thumb screws to securely fasten butt of tree. Waterproof tree socket fits snugly on to spindle.

GILBERT PUZZLE SETS

Above—No. 1032 GILBERT PUZZLE SET

21 fascinating puzzles. Instruction book giving details as to solution. Packed in four color labeled cartons.

Listed only—No. 1031 1/2 PUZZLE SET

19 puzzles assembled in your color lettered carton. Complete manual of instructions included.

Listed only—No. 1031 PUZZLE SET

Seven interesting puzzles assembled in four colored label boxes with manual of instructions included.
GILBERT OPTO KITS

New—Sensational—Fascinating

Complete apparatus and all necessary parts for building

GENUINE, SERVICEABLE SCIENTIFIC INSTRUMENTS

New Thrills, Discoveries and Adventures through the searching

lenses of these wonderful scientific instruments and be alive for the

boy or girl who is lucky enough to obtain Opto Kit, the new won-

der toy.

Boys! Explore New Worlds of Science

Here's the most sensational scientific outfit you can own. The new Gilbert Opto Kit.

With it you can build one after another—genuine—serviceable scientific instru-

ments that will give you hours of thrilling fun and knowledge.

Just imagine exploring hidden mysteries of nature and science, sending mes-

sages by electric beam, making camera models, observ-

ing and studying animal life through the powerful lens of a telescope, and dozens of other exciting

things.

"These thrills are all yours with the wonderful equip-

ment contained in the Gilbert Opto Kit.

Then there are more wonders for you to see through the searching lens of the powerful microscope

in the Micro Chemistry outfits—and, that's not all—

for these sets contain apparatus and chemical as-

sumptions that reveal dozens of dazzling wonders in

exploring the mystic realms of chemistry.

You'll find just the outfit you want at your toy store.

PRICES

No. 3 Opto Kit . . $2.50
No. 5 Opto Kit . . 3.00
No. 2 Glass Blowing . . 2.00
No. 2 Mineralogy . . 2.00
No. 4 Micro-chemistry . . 2.00
No. 7 Micro-chemistry . . 5.95