

Life's greatest THRILL



A.C. Gilbert



HELLO BOYS 350 ACTION TOYS IN ONE

Hello Boys! 350 Christmas gifts in one. Tell your dad you want Erector. A galaxy of exciting sets, \$1 and up. Send for the big Erector catalog and pick out the one you want. Mail coupon today. Greatest values in the history of Erector. A big thrill for every day in the year!

A.C. Gilbert



Boy, look at those realistic operating models built with



TUNE IN

"Bring 'Em
Back Alive"



FRANK BUCK

Hair raising thrills from Malay jungles. Frank Buck himself in blood curdling adventure dramas showing how man-eaters are captured alive.

SUNDAYS 5:45 P.M. E.S.T.
W E A F N E T W O R K

See Local Program Listing

ERECTOR

"THE WORLD'S CHAMPION TOY"

FREE CATALOG Shows Just What You Get • • • •

THE A. C. GILBERT CO.

335 Erector Street, New Haven, Conn.

Send me the big colored Erector "Look-Ins Over Book," Free.

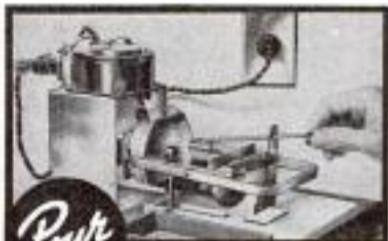
Name _____

Street _____

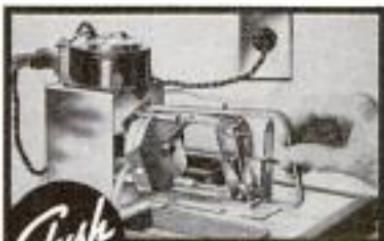
City _____ State _____

NEW GILBERT ELECTRIC KASTER KIT

First and only "slush type" Casting Outfit—makes life-like figures with fifty percent less metal



Lift the lever and molten metal flows into the mold. Developed by the Gilbert Hall of Science, Kaster Kit is automatic. Heats electrically. Safest, easiest, fastest casting outfit you can own.



A twist of the "metal-saver" lever slushes off excess metal—producing a hollow casting. This revolutionary improvement makes possible fifty percent more figures from the same amount of metal.



Out pops your soldier—"true mold"—correct proportionate—not thin like the ordinary kind. Color soldiers to resemble all the armies of the world.

• • •

See the new No. 7 Kaster Kit at your nearest toy store. Complete with 1 mold, 24 pigs of metal, tools and 2 paints, \$6.50. Other Gilbert casting outfits from \$1.00.

FREE The Big Kaster Kit Parade—in full colors—shows all 32 Kaster Kit Molds that make realistic soldiers for you.



32 Different Molds

Soldiers, sailors, Indians, athletes—these are but a few of the 32 Kaster Kit molds you can set. Set of 4 bandmen, 4 athletes, or 4 military figures, \$2.00 per set.

The A. C. Gilbert Company
110 Erector Square, New Haven, Conn.
Please send me your Kaster Kit Parade—free.

Name.....

Street.....

City..... State.....

It's Fun to Discover Scientific Secrets with the New GILBERT CHEMISTRY SET



New Gilbert Desk Type Laboratory—The latest triumph of the famous Gilbert Hall of Science. 5 feet of metal and wood shelf room and test-table racks, mounted on sturdy wooden table. 76 chemicals and pieces of apparatus including scales. Plus 300 fascinating experiments at your finger tips. \$9.95. Other Gilbert Chemistry Sets \$1.00 to \$19.50. See them at your nearest toy store. Up-to-the-minute book by noted Yale professor comes with each set.



Boys, exciting days are in store for you when you own a Gilbert Chemistry Set. Think of the thrill of making strange chemicals change colors, writing messages in fire ink, making your own paints, bleaching flowers and performing hundreds of other dazzling tricks.

More boys have won fame and big awards with Gilbert Chemistry Sets than any other chemistry sets made. One boy developed a candle that burns with a blue flame. Another boy discovered a way to write messages in invisible ink on his arm. A third boy worked out a chemical

trick for catching a sneak thief. You, too, can perform such wonders, but first be sure to get a chemistry set with the name "Gilbert" stamped on the box.

\$200.00 Annual Awards

To the boy doing what, in my opinion, is the most interesting work in the Gilbert Micro-Chemistry Set in 1938, I will award \$200.00 in cash. To the ten boys doing the next most important research, I will award \$10.00 each. Applicants must be over 12 years old and must send me full description of their experiments by June 1st, 1938.

A. C. Gilbert, Inventor of Erector and Founder of the Gilbert Hall of Science,



Sugar crystals—as seen thru ordinary Microscope.



Sugar crystals—as seen thru a Gilbert Polaroid Jr.-equipped Microscope.

POLAROID Jr.—the Invention That Shows Nature's Wonders in Full Colors



CHEMICAL WEATHER FLAG

Show you whether each day will be rainy or clear. Free—with mammoth color poster showing the new Gilbert Chemistry Sets, if you mail coupon at once.

Mail this Coupon—or 1¢ Post Card

Mr. A. C. Gilbert, President
Gilbert Hall of Science
Room-159, New Haven, Conn.

Count me in on your big free offer. Send weather flag and mammoth poster.

Name.....

Street.....

City.....

State.....

The new Gilbert Micro-Chemistry Sets enable you to see the mysteries of chemistry and Nature 200 times larger than they appear to the naked eye. The only sets of their kind with Polaroid Jr.-equipped microscope—bringing you sights far beyond the power of ordinary microscopes. Sugar crystals look like an array of brilliant jewels. Layers of cellulose take on weird and fantastic colors. Starch grains appear as luminous colored crosses. Gilbert Micro-Chemistry Set No. 7, complete with 28 fascinating pieces of apparatus and big illustrated manual, \$5.00. Other Micro-Chemistry Sets from \$2.50.

\$190.00 in 8 DAYS STUCCO SPRAYING



Walter J. Montague writes:
"We have been spray
spraying for over 15 years.
It's fast, it's good, it's
cheap. We can help you
make more profits than you
ever thought possible."

COLORCRETE MAKES NEW OR OLD BUILDINGS MORE ATTRACTIVE and waterproof.

It fuses with any masonry surface. It fills all cracks and is proven by over twelve years actual use under all conditions and every climate.

OFFERS BIG EARNINGS. Operators report costs of 2d and up per sq. ft. and sell up to 7c. Some have paid for their equipment from first few jobs. Machine capacity up to 1,000 sq. ft. per hour.

GET THE FACTS. Send for COLORCRETE Book "Proven Business Opportunity." Write today.

COLORCRETE INDUSTRIES, INC.
570 Ottawa Ave., Holland, Mich.



OTTAWA LOG SAW

only \$39

GREATEST OFFER
EVER MADE

PAVE THIS
OTTAWA

WORK FOR YOU

Make Money!

Wood is valuable. Saw 15 to
25 trees a day. Save 10 to
12 hours each day. Cut to size of
logs. Turn into logs. Make
logs. Write today for FREE book.

OTTAWA MFG. CO. 1227 Wood St., Ottawa, Kansas



AN INTERESTING HANDBOOK OF FINE WOODS . . . AND HOW TO USE THEM — ONLY 10¢

A 16-page handbook on fine woods. Read "The Art of
Woodworking on Fine Woods." How to
build DELUXE FURNITURE" on Page 28. Find out how
to make available to your small quantities of fine woods to
see how those magnified woodworkers.

See how those magnified woodworkers
use fine woods. Includes descriptive pictures
and full instructions on making all kinds of fine wood furniture.

ALBERT CONSTANTINE AND SON
716 EAST LIND STREET,
Craftsmen's Headquarters for Fine Woods

EXTRA \$5.00 SPARE TIME PRINT at HOME

Imports, Circles, Embossing, Writing, Drawing, etc.,
Letters, Interlocking, Metalwork, PRINTING PRESS BARGAINS.
612, Types and Supplies. Lowest prices. Send money for catalog.

PEPPER CO. 25-8: 5 Columbia St., Newark, N. J.

SENSATIONAL NEW SAW TABLE



Now, a real heavy duty saw table which is power driven, sturdy, durable and priced so low it is almost a steal. Factory price and lowest. Now tells all its secrets. Prints, books, writing, drawing, types, embossing, metalwork, and other supplies. It's a heavy, heavy duty table, and you can't afford to buy any other. May weight without moving 100 lbs. Write today for new free catalog, shows complete line heavy-duty wood-working equipment.

Big New Wood Lathe Special Offer

Designed. Checked. Engineered. Built.
wood lathes, 48 in. long, w/ an amazing low
price. Every item in stock. Complete
parts and tools. You can buy
servicemen, oil burners. Four centers, and
the three piece screw in spindles. Total
cost, \$100.00. You can buy them
for less. Many more models.
Shipping weight 50 lbs. Send now for free illustrated literature and
catalogue free. Remittance desired. Standard goods. Write.



Price \$100. Diameter 48 in. Length outside

BLUE STAR PRODUCTS CO., 612 Bank St., Fairfield, Iowa



Outfit No. 5
MATERIALS AND EQUIPMENT EXPLAINED
IN THE DISE MATERIALS OF INSTRUMENTS, 64
Chemicals and pieces of Laboratory Apparatus.
Price—\$5.00

LEARN THE Wonders of Chemistry with these New, Improved **CHEMCRAFT** CHEMISTRY OUTFITS

THESE Outfits provide the most convenient, practical, and economical way to experiment with Chemistry. They bring unlimited entertainment and valuable information that will help you understand the marvelous present-day developments in modern Chemical Science.

Each Outfit is a complete Home Laboratory containing a liberal assortment of Chemicals, all necessary laboratory apparatus, and various Manuals covering the following and many other branches of Chemistry:

Glass Blowing Chemical Magic Inorganic Chemistry
Chemistry of Foods and Household Materials Spectroscopy

Electric Chemistry Qualitative Analysis Chemical Formulas and Symbols
Name Laboratory Plans

Hundreds of experiments are explained in these new Instruction Manuals. Quantities of Chemicals are listed and all these experiments can be repeated many times.

These are the original Chemistry Outfits, accurate, scientific, and kept up-to-date by constant research. Used in schools and colleges, and endorsed by teachers and professors.

CHEMCRAFT OUTFITS bring professional chemistry to students and home experimenters. These Outfits contain more and better equipment for expert Chemistry and Advanced Physics. They have been improved this year with new wooden cabinets, extra equipment, added chemicals, and additional Instruction Books covering many new subjects. Get a CHEMCRAFT Chemistry Outfit this Christmas and become a Home Economist in one of the most interesting and fascinating hobbies you ever tackled.

Ask for **CHEMCRAFT** Chemistry Outfits by return mail. If unobtainable, we will send any outfit, fully prepaid, upon receipt of price.

FREE BOOK

The PORTER CHEMICAL COMPANY
4912 Prospect Avenue
Hagerstown, Maryland

When writing please mention **Popular Mechanics**.

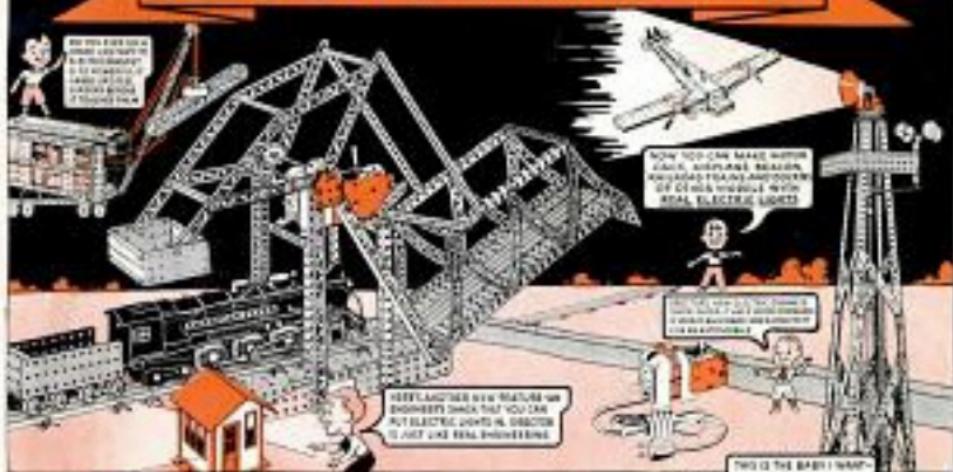


**HELLO BOYS—the
sensational new ERECTOR'S
ARE ALL LIT UP!**

**WOW! ERECTOR'S GONE ALL-
ELECTRIC—Electric lights—4-speed
Electric engine—Electro magnet**



DEVELOPED AT THE GILBERT HALL OF SCIENCE



BOYS!

Leading toy stores are showing a sensational new kind of Erector this year. An Erector that makes model-building more fun than the movies—more exciting than a football game. Because Erector has gone ALL-ELECTRIC.

Now, for the first time, you can build a revolving airplane beacon with real electric searchlight—construct electrically lighted railroad trains, Ferris wheel, airplanes, motor cars,—erect electric bridges that open and close—make mighty cranes that grab up steel girders by electro-magnetic power.

You can build all the engineering marvels you see on this page—and 100 more—with ONE Erector Set. Put dazzling electric lights on them. Make them buzz with action with the new 4-speed Erector electric engine. There are more blood-tingling thrills in the new All-Electric Erector than in a dozen ordinary toys. Tell Dad that Erector is your No. 1 choice of Christmas presents.



The Sensational New ALL-ELECTRIC ERECTOR



A Christmas gift from A.C. Gilbert, the inventor of Erector. The Marvelous Erectorscope. Brings you sights so amazing you can scarcely believe your own eyes. Free with catalog of New All-Electric Erector.

THE
EREKTOSCOPE
SURE IS
SHAZZY

Free!

MAIL COUPON OR POST CARD

Mrs. A. C. Gilbert,
Milton Hall of Science,
1222 Sherman Avenue,
New Haven, Connecticut

Send me free catalog of New All-Electric Erector and Erectorscope. Name _____

Address _____

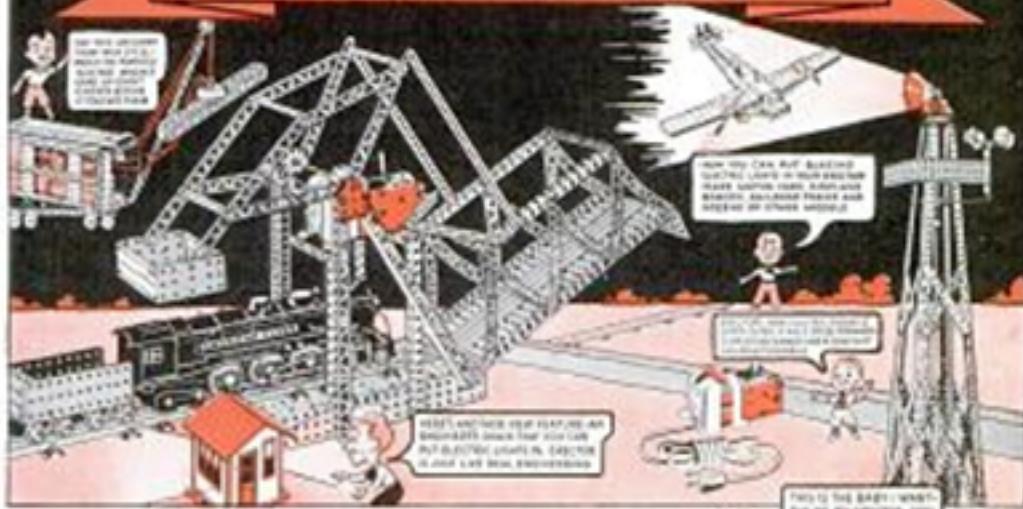
City _____

State _____

HELLO BOYS— the sensational new ERECTORS ARE ABLAZE WITH LIGHTS!

THEY'RE COLOSSAL! THESE ALL-ELECTRIC ERECTORS. 4-speed Electric engine—Electric lights—Electric magnet.

DEVELOPED AT THE GILBERT HALL OF SCIENCE



BOYS!

Leading toy stores are showing a sensational new kind of Erector this year. An Erector that makes model-building more fun than the movies—more exciting than a football game. Because Erector has gone *all-electric*.

Now, for the first time, you can build a revolving airplane beacon with a real electric searchlight—construct electrically lighted railroad trains, Ferris wheel, airplanes, motor cars—erect electric bridges that open and close—make mighty cranes that grab up steel girders by electro-magnetic power.

You can build all the engineering marvels you see on this page—and 100 more—with one Erector set. Put dazzling electric lights on them. Make them buzz with action with the new 4-speed Erector electric engine. There are more blood-curdling thrills in the new All-Electric Erector than in a dozen ordinary toys. Tell Dad that Erector is your No. 1 choice of Christmas presents.

The Sensational New ALL-ELECTRIC ERECTOR

As exhibited at the New York World's Fair



A.C. Gilbert, Founder
of the Gilbert Hall of
Science—the home of
Erector, American
Flyer Trains, Gilbert
Chemistry Sets, Kinet
Kraft Kit and other Gil
bert scientific wonders.

FREE—WORLD'S FAIR EDITION
"Toy That Buzzes with Action"
20 color pages—over 180 illustrations.
Hello Boys! This exciting book has full
color pictures and descriptions of the new
All-Electric Erectors as exhibited at the
New York World's Fair. Don't lose a
minute in sending for a free copy. Mail
coupons or post card.

Get a look at the No. #15 All-Electric Erector. Crammed with exciting electrical and structural parts. Electric lights—110 volt electric engine with 4 speeds and automobile-type gear shift—powerful electro-magnet. Also, polished steel boiler shell—big red wheels—steel girders and red, yellow and blue structural plates—gears and pinions—a total of 18 lbs. of up-to-the-minute parts for building over 100 colossal, weight-drives, electrically lighted engineering marvels. Price \$11.95; other Erectors from \$1.80 to \$29.95.

RUSH COUPON OR POST CARD

Mr. A. C. Gilbert, The A. C. Gilbert Company
125 Gilbert Street, New Haven, Conn.
You have a copy of the "World's Fair Edition
'Toy That Buzzes with Action'." Please send
other good sets in U. S. A. and Canada.
Name _____
Street _____
City _____ State _____ Zip _____



Hello Boys!

Take a good look at that giant power plant! You build it yourself with the great new Erector. Piece by piece you construct its massive steel frame. Assemble its enormous flywheel, pistons and governor. Mount its big, shining boiler. Then you hook up the powerful Erector reversible electric engine and it throbs with action.

That's only one of the many exciting mechanical marvels you can build with the great new Erector. You can make that busy looking magnetic crane. Click the switch on the Erector engine—pull the control levers and it rises or lowers—swings to the right or left, just as your hand commands. Its magnet is so strong it grabs up steel girder before it touches them.

You can build all the engineering models shown in the picture and dozens more—with one Erector set. Enormous drawbridges that actually open and close. Towering airplane beacon that revolves just like the real ones. All-metal airplane. Dump-trucks. Walking beam engine. Ferris Wheel.

The great new Erector makes you a full fledged engineer—ready to build realistic, engine-driven models of the world's greatest mechanical marvels. There are more thrilling surprises packed in an Erector Set than anything you can own. Tell your Dad today that Erector is what you want most for Christmas.

Your friend,

A. C. Gilbert

Walking Beam Engine



Built with the No. 716 set. Operated with the Erector Reversible Electric Engine.

SEE WHAT MIGHTY MECHANICAL MARVELS YOU CAN BUILD WITH

The Great New

ERECTOR



**THE GREAT
New ERECTOR**
The construction set
that has everything

See the Sensational No. 7½ Set

12 pounds of erecting equipment, including parts for 12 different sets. This new Erector Reversible Electric Engine, starters and structural plates painted in red, yellow and black. Includes operating tools, sheet metal, big red wheels, gears, pinions, big base plate and other parts for building all types of steam engines, traction engines, traction hoists, etc., over 300 different models. \$10.00. Other Erector sets from \$3.00 to \$15.00.



Erector Reversible Electric Engine

An adjustable power unit of such a design that it can be geared for different speeds.



Only ERECTOR

Makes the square girder with interlocking pins. Makes stronger models with Erector than any other construction set.



ERECTOR — Big
solid steel base
plate
provides foundation
for stronger models

See The Gilbert Hall of Science

Scientific exhibits that will make you gasp with wonder. Look for these at your local toy store.

Free—New Gilbert Thrills Magazine

66 big pages jam full of exciting pictures. True stories about boys in engineering, chemical research, sports, craftsmanship. Tells how to become a member of the Gilbert Engineering Institute and win a cash award. Free—mail this coupon at once.

Mail this coupon today for big free gift

Mr. A. C. Gilbert, The A. C. Gilbert Company,
625 Erector Square, New Haven, Conn.
You send, teach—free—big Gilbert Thrills Magazine and advance news
on the new, new Erector.

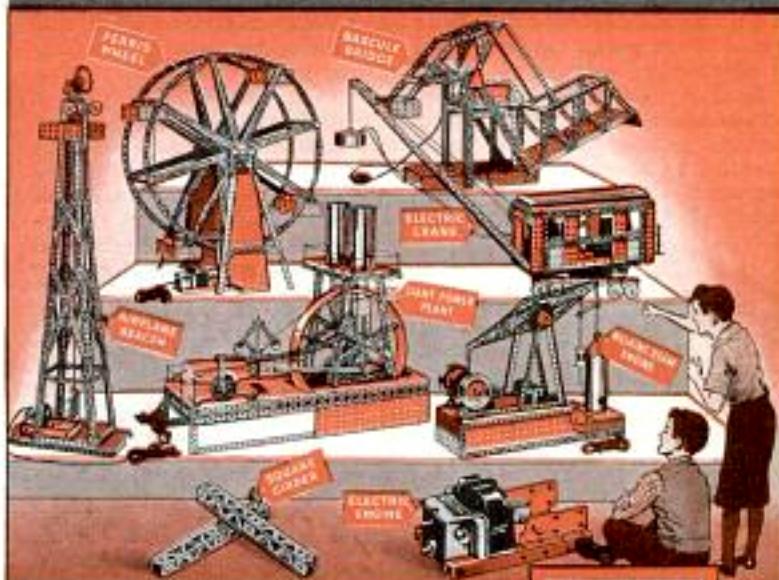
Name _____

Street _____

City _____

State _____

THE GILBERT HALL OF SCIENCE PRESENTS
The great New Speed ERECTOR



BOYS! You step into a dazzling new world when you own the great new Speed Erector. With your own hands you can make dozens of mighty mechanical marvels that hum with action. Hook up the powerful Erector electric engine and that Bascule bridge actually opens and closes. The ferris wheel goes 'round and 'round. The airplane beacon revolves. The magnetic crane raises and lowers—swings to the right or left—grabs up steel girders before it touches them. There are more thrills—more hours of fun—in an Erector Set than anything else you can own. Tell Dad the great new Speed Erector is what you want most for Christmas.



• It's a humdinger, boys, this new No. 8½ Erector Set. The greatest development of the famous Gilbert Hall of Science. Contains over 15 lbs. of parts. Red, yellow and blue girders and structural plates. Glistening boiler shells. Big red wheels. A powerful 110 volt electric engine that reverses. Gears, pinions and other parts for building more than 100 giant, realistic engineering marvels. Its price is \$12.95, and there are other Erector Sets from \$1.90 to \$27.50.

FREE "How-to-Sell-Dad" Poster
and "Gimme Card"

7 sq. ft. "How-to-Sell-Dad" Poster. Shows new Speed Erector in life size and full colors. Also, "Gimme" card to help you get what you want for Christmas. Send coupon or 1¢ post card.

A. C. GILBERT CO.

16 Erector Square

New Haven, Conn.

Quick! Send me your colossal "How-to-Sell-Dad" Poster and "Gimme" card—both Free.

Name _____

Street _____

City _____

MORE
THAN 100
MECHANICAL
MARVELS

500
HOURS OF
THRILLING
FUN

OVER
15 LBS. OF
ENGINEERING
PARTS

ALL
PACKED
IN ONE
ERECTOR SET

MAKE LEAD SOLDIERS BY THE DOZEN!



INDIANS, SAILORS, CAVALRY TROOPS

In an hour with one of my new Kaster Kits you can produce a whole regiment of men, such just as perfectly finished as professionally cast toys. Any boy boy can make enough money in a week or two to pay for his entire Kaster Kit.

Money to expense. Utterly efficient. Make a complete boy factory right in your own home. Kaster Kit contains with 1 book, a box of lead, instructions book and complete set of modeling and glazing tools, only \$1.

A. Gilbert

GILBERT KASTER KIT

FREE—Kaster Kit Catalogue Book.

Just go to the nearest add mail today for the book containing toy book ever published.

The A. C. Gilbert Company,

318 Broad Street, New Haven, Conn.

Please send me a FREE copy of the new KASTER KIT CARNIVAL BOOK.

Name.....

Address.....

City..... State.....

"How a Toy Present LED TO A BUSINESS CAREER"



DAD...THIS IS REAL ADVENTURE! ... MY CHEMCRAFT OUTFIT IS THE BEST PRESENT I EVER HAD!

YES, indeed, a Chemcraft Chemistry Outfit is a grand present. Isn't it the greatest fun in the world—real adventure—the thrills of performing hundreds of fascinating and amazing experiments?

But with the fun you can also secure a practical knowledge of Chemistry—the marvel science that has contributed so greatly to industry, medicine and the progress of civilization. From this simple beginning many scientists have become important figures in scientific and industrial fields.

Chemcraft Chemistry Outfits are used in schools and colleges and the Instruction Manuals contain valuable information and describe fully how to perform many interesting experiments. Chemcraft Outfits contain no dangerous substances. See Chemcraft Chemistry Outfits at your favorite store, priced from \$1.00 to \$25.00. If they do not have them you may order direct from us.

All the thrills and wonders of a real Chemist's Laboratory are yours with

CHEMCRAFT

RED. U.S. PAT. OFF.
CHEMISTRY OUTFITS



Outfit No. 22 Big top-flight chemistry outfit containing splendid apparatus for many interesting experiments. Instructions for 1000 practical projects. Microscope, Laboratory Glass, Bowls, and Reagents. Price \$25.00



Outfit No. 4 Basic instruction chemistry outfit containing apparatus for many interesting experiments. Instructions for 100 practical projects. Microscope, Laboratory Glass, Bowls, and Reagents. Price \$3.00



Outfit No. 2 A little science outfit in a wonderful wood cabinet. Contains chemicals, apparatus and directions for 100 delightful experiments. Microscope, Plans for a Home Lab., and Reagents. Price \$1.00

You'll Enjoy this FREE BOOK. Mail Coupon

Our new book "Adventures in Science" is a real treasure house of information and entertainment for the young scientist. It is full of astonishing scientific facts, and tells about many thrilling experiments in Chemistry, Microscopy, Physics, Biology, Electricity, etc. Book also helps you to construct a home laboratory, and tells how you may become a member of the Chemcraft Science Club.

THE PORTER CHEMICAL COMPANY

42 Prospect Ave.,
Hagerstown, Md.

This One

FREE BOOK
MAIL TODAY



JEZ4-B4J-03A1

Illustrated from above.

Boys' CHEM CRAFT

THE CHEMICAL OUTFIT

brings you real
fun with the
wonders of
chemistry!

This is
No. 2
\$1.00

YOUNG BOYS bring the science of chemistry and have a lot of fun in the same way—using a CHEM CRAFT outfit. Work with kinds of interesting, useful experiments and exercises under directions given of educational value. CHEM CRAFT is the original ChemCraft outfit, the most complete, interesting and educational. The parts and tools required are simple, inexpensive chemicals and apparatus. CHEM CRAFT gives the boy the best chemistry course available.

Select Yours From These Fine Outfits

No. 1 — \$1.00	No. 3½ — \$3.50	No. 4 — \$3.50
No. 2 — \$1.00	No. 5 — \$5.00	No. 16 — \$10.00
No. 15 — \$11.00	No. 25 — \$25.00	

(Nos. 1, 2, 3½ and 15 come in handsome wood cabinets.)

Send a Postcard, name & address, money order, and ask for CHEM CRAFT by catalogued book for any boy's CHEM CRAFT—on the last edition you will get the best chemistry course.

Try Chemistry for 25¢

The CHEM CRAFT outfit is just the kind of inexpensive entertainment and education it is. Complete with tools and instructions prepared for the boy.

Free Chemical Surprise!

Send us the name and address of the place where you live (city, state, town) and we will send you one free CHEM CRAFT catalog.

THE PORTER CHEMICAL COMPANY
1411 Washington Street, Hagerstown, Md.

Be a Boy Chemist!

Master the Mysteries
of Modern Chemistry!



Work marvelous experiments and astonish your friends with mysterious tricks of chemical magic. Learn useful facts about the Wonders of Chemical Science and surprise everybody with your knowledge of chemistry. You can make lots of chemical compositions like soap, ink and paint; analyze food, soil, water, metals and other substances; test many things and produce hundreds of chemicals and reactions that will show you interesting facts, give you useful information and help you lead your class in science and chemistry.

REGISTERED TRADE MARK

CHEMCRAFT

THE CHEMICAL OUTFIT

Will Show You the Wonders
of Chemical Science!

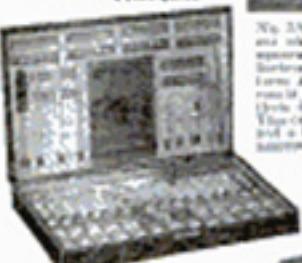
No. 1—Contains chemicals and pieces of apparatus, with more than 475 experiments and tricks, plus the Manual of Instruction. A knowledge of chemistry can be obtained with this outfit and much interesting and useful information is given in the Manual.

Price \$1.95



No. 2—Contains 45 different chemicals and pieces of apparatus, and the Manual of Instruction with less than 250 experiments. At a lower price of 99¢, this outfit is especially designed for boys. This outfit offers greater value for a larger and more varied assortment of materials.

Price \$1.35



No. 3—Outfit in a strong wooden cabinet which provides a place to keep the 80 chemicals and pieces of apparatus which are contained in this outfit. Many of the experiments and tricks are explained in the Manual of Instruction. This is a complete chemical laboratory and offers exceptional value.

Price \$5.95



No. 4—PORTABLE Box contains 40 different chemicals and pieces of apparatus, and the Manual of Instruction with less than 400 experiments and tricks.

Price \$1.95

These outfits give accurate, scientific information and cover all branches of chemistry. Experiments in hundreds of different subjects are included: Organic and Inorganic Chemistry, Glass Blowing, Metallurgy, Electro-Chemistry, Mineralogy, Industrial Chemistry, Photographic, Food, Rubber, Household and Farm Chemistry—all these and many more are explained and demonstrated by actual experiments.

Each Chemcraft outfit contains a liberal assortment of safe chemicals, all necessary apparatus and a Manual of Instruction. Quantities permit each experiment and trick to be repeated many times. No small or dangerous equipment is explained clearly. Chemcraft offers more for the money in every way: larger outfits, stronger wooden cabinets, more chemicals and apparatus, easier and more reliable experiments and accurate information.

Eight Big-Value Sets to Select From:

No. 1—\$1.95	No. 2—\$1.35	No. 3—\$5.95	No. 12—\$11.95
No. 4—\$1.95	No. 5—\$3.95	No. 13—\$14.95	No. 23—\$25.95

(Sets 2, 3, 5, 6 and 8 illustrated here)

(Sets 8, 13, 14 and 23 come in attractive wooden cabinets)

Plan now to get a Chemcraft outfit this Christmas. Look for Chemcraft in any store where toys are sold. Look for the name Chemcraft on the box. If the set you want is not obtainable in your local store, we will send it, fully prepaid, upon receipt of price.

Try Chemistry for 25¢

Get Chemcraft Junior; you can do lots of experiments and tricks with it. Send 25 cents for yours now.

The Porter Chemical Co.
1412 Washington Street
Hagerstown
Maryland

Send this Coupon for FREE Chemical Surprise

Tell us the name and address of the store near your home which sells toys, and we will send you a Free Chemical Surprise and full information about Chemcraft. Fill in this coupon and mail it to The Porter Chemical Company, 1412 Washington Street, Hagerstown, Md. (If you cannot spell write in English below.)

Your Name.....

Your Address.....

Top Jerry Name.....

City..... State..... Zip.....



TO FATHERS WHO WANT TO BE PROUD OF THEIR SONS



DO you want your son to be keen-witted, quick-thinking, resourceful—or don't you care? A lot depends on you. These are the years in which your boy's body and brain are forming the habits that will make or break him later on.

Do all you can now to keep life from giving him an ugly break. Help him form the most important habit of all, the *habit of thinking things out for himself*. We can help you in this, just as we have helped thousands of other fathers, because Lionel Electric Trains are more than toys. They teach boys how to develop skill with their hands and, above all, skill with their brains. They help boys form the all-important habit of thinking problems out for themselves because they make those problems into a fascinating game. For instance, your boy will not only

have the fun of building his railroad and operating it; he will have the opportunity to tackle actual problems of railroad operation such as how to prevent wrecks; how to clear traffic in freight yards; and other fascinating things which give him training in both electricity and mechanics. Incidentally, this year you can buy your boy these sturdy, lasting trains for as little as \$5.95.

Give him this help. Clip the coupon below. Take it to your nearest department store, hardware, electrical, toy sporting goods store. There you can get, free, the new 52-page *Lionel Model Railroad Planning Book* that shows you exactly what you and your boy want to know about (1) how to plan and build a model railroad system and (2) what to get to make it true to life in the last detail. Note: It is not easy for you to go to a Lionel dealer's store—and the coupon is us and we will send you this inexpensive book if you enclose 50c to cover handling and mailing costs.

NOTICE TO ALL AUTHORIZED LIONEL DEALERS: The house of distributor is entitled to receive, absolutely free, one copy only of the new 1952 *Lionel Model Railroad Planning Book*.

NOTICE TO THE PUBLIC: If your dealer cannot supply you with a *Lionel Model Railroad Planning Book*, or if it is not easy for you to go to his store, mail this coupon to the LIONEL CORPORATION, Page, 5, 13 E. 23rd St., New York City. We will send you this informative book if you enclose 50c to cover handling and mailing costs.

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Horace E. Greeley

Engineer "20th Century"
New York Central R. R.



How to make your son THE HAPPIEST OF BOYS

IT is not the amount of money you spend on your boy's Christmas gift that counts—it is the amount of thought you put into the proper selection of your gift. The secret of giving your boy lasting happiness can be summed up in one word—helpfulness.

Help your boy by giving him a gift that will not only bring him fascinating fun, but, at the same time, help him become keen-witted, quick-thinking, resourceful. You can do both these things if you give him a Lionel Electric Train. For Lionel Trains are more than toys. They teach boys how to develop skill with their hands and skill with their brains—and, above all, they help boys form the habit of thinking problems out for themselves because

they make these problems a fascinating game.

For instance, your boy will not only have the fun of building his railroad and operating it; he will have the opportunity to tackle actual problems of railroad operation that give him training in both electricity and mechanics.

Help him learn as he plays

Give him this help. You can now buy your boy these sturdy trains for as little as \$15.95—and they last for years and years. Clip the coupon below. Take it to a Lionel dealer. He will give you, FREE, the new 42-page *Lionel Model Railroad Planning Book* that shows (1) how to plan and build a model railroad system and (2) what to get to make it true-to-life to the last detail. Note! It is not easy for you to go to a Lionel dealer's store—and the coupon is us and we will send you this expensive book if you send 75¢ to cover handling and mailing costs.

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