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Everything  
for the  
SCHOOL

**E.N. MOYER COMPANY**  
LIMITED

Canada's School Furnishers

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*Established Thirty-eight Years*



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*This Name Means Quality*



# ***THE HOUSE OF SERVICE***

For 38 years we have been supplying and equipping Schools in all parts of Canada.

We have built up an organization that is perfectly equipped to render the maximum of **SERVICE** to our customers.

On the quality of our goods and on the efficiency of our service we solicit your patronage.



WE SELL FROM COAST TO COAST



**1922—1923**

***Catalog and Price List***

***E. N. Moyer Company***

***Limited***

**"Canada's School Furnishers"**

**Since 1884**

**100 WEST FRONT STREET, TORONTO, ONT.**

**Opposite New Union Station**

**WINNIPEG**

**110-120 PRINCESS ST.**

**EDMONTON**

**10187-104th STREET**



# ***Instructions for Ordering***

---

Be sure to give full descriptions, sizes, or catalog numbers.

Orders from private individuals must be accompanied by remittance. Always enclose sufficient money to cover the cost of your order and carriage charges if these are to be prepaid by us. For Parcel Post Insurance Rates see below. Any balance will be promptly refunded.

We reserve the right to deduct any items ordered when the remittance is not sufficiently large to cover the entire cost.

Always sign your name in full and state whether Mr., Mrs., or Miss.

**Be sure to give the Township number and County of your School Section every time you write.**

Always give the name of your nearest Express Office, Station, and Post Office.

All freight or express shipments to stations where there are no agents shall be at the owner's risk entirely.

**Our responsibility ends when we deliver the shipment to the Railway Company or the Post Office in good condition.** To be sure of parcels reaching you safely when ordered by Parcel Post be sure to include sufficient for Insurance.

**We cannot consider a claim for breakages or shortages when shipments are ordered to be forwarded to a station without an agent.**

**PRICES SUBJECT TO CHANGE WITHOUT NOTICE**

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***It is impossible to publish a yearly Catalogue guaranteeing prices, customers will be given the benefit of any change we may make from time to time***

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## **PARCEL POST INSURANCE**

**Parcels for Canada** cannot be registered unless prepaid at letter rate of postage, but **may be insured** against loss, (not breakage), in the Canadian mails; the insurance fees are:—

- 3 cents for insurance not exceeding \$5.00.
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- 12 cents for insurance exceeding 25.00 and not exceeding 50.00.
- 30 cents for insurance exceeding 50.00 and not exceeding 100.00.

Insurance fee payable by means of postage stamps affixed to the parcel by the sender, in addition to ordinary postage. All verified claims paid promptly.

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***YOU RUN NO RISK IN ORDERING BY MAIL***







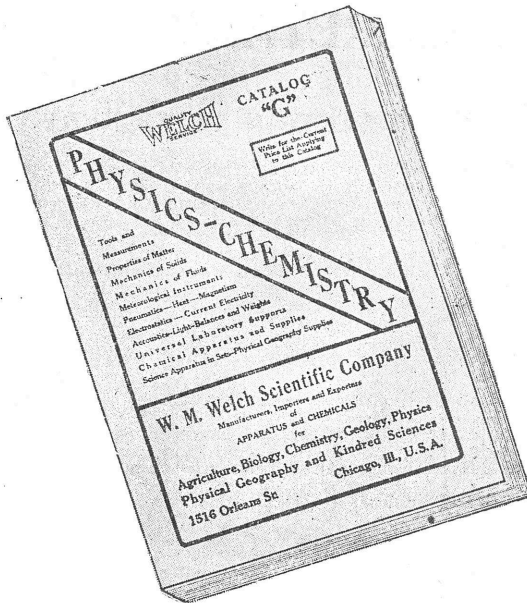












## A New Catalog



### CATALOG "G"

Laboratory Apparatus and Supplies for Physics and Chemistry, including Balances, Weights, Clamps, etc.

A Complete  
Encyclopædia of  
School Laboratory  
Apparatus

### OTHER CATALOGS

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Stains, Imbedding and Mounting Material, Minerals, Soils, Fertilizers, Fungicides and Insecticides. (108 pages.)

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A SIGN OF QUALITY



A MARK OF SERVICE

## W. M. Welch Scientific Company

Manufacturers, Importers and Exporters of  
Scientific Apparatus and School Supplies

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## E. N. MOYER COMPANY LIMITED

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Opposite New Union Station

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10187-104th Street

THE MOST EFFICIENT SCIENCE APPARATUS SERVICE IN CANADA



# SUPPLIES FOR THE SECRETARY

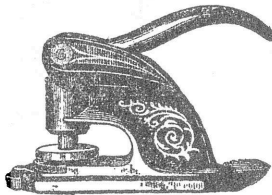


## BEST QUALITY RUBBER SEALS

Price with Inked Pad, complete  
\$1.75

## LARGE HEAVY STEEL LEVER SEAL

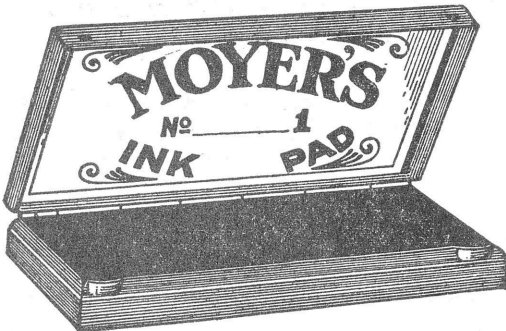
Very fine Quality.  
Price ..... \$5.50



## SIGNATURE STAMP

With School Section, No. Township and two blank lines for signature of chairman and secretary-treasurer.

Price, each ..... \$1.50



## SELF INKING STAMP PAD

No. 0—2¼" x 3½", each ..... 35c  
No. 1—2¾" x 4¼", each ..... 45c

## STAMPING INK

For renewing Stamp Pads.  
1½ oz. Bottle with Brush..... 50c

## FOUNTAIN PENS

Every Secretary should have a good Fountain Pen. It simplifies the work of Assessment and Tax Notices and School Correspondence.

See Page 72 for Illustrations and Prices.

## SCHOOL SECTION STATIONERY

Printed Stationery is very essential in every School District. They avoid any possible error in your mail going astray and are very businesslike in appearance.

Printed with any wording you wish. Only a high grade of Bond Paper used suitable for Pencil, Pen and Ink, or Typewriter. Supplied ruled or plain.

### PRICES

250 Each Letterheads and Envelopes.....	\$ 7.50
500 Each Letterheads and Envelopes.....	11.50
1000 Each Letterheads and Envelopes.....	17.00
250 Letterheads only .....	4.25
500 Letterheads only .....	6.00
1000 Letterheads only .....	8.25
250 Envelopes only .....	3.75
500 Envelopes only .....	5.50
1000 Envelopes only .....	8.75

No orders taken for less than 250 of either letterheads or envelopes.

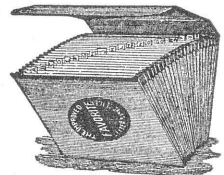
<b>Plain Envelopes, No. 8, per pkg.....</b>	<b>.15</b>
2 pkgs. for .....	.25
Per box of 500 .....	2.50
<b>Official Envelopes, No. 10—Per Pkg. ....</b>	<b>.25</b>

## FAVORITE FILE

Letter Size

Heavy Manilla, made with Extension Belows, and Index Pocket for each letter.

Each .....\$ .90



## MINUTE BOOK

200 Page. Good Paper. Well Bound.

Price, each ..... \$2.50

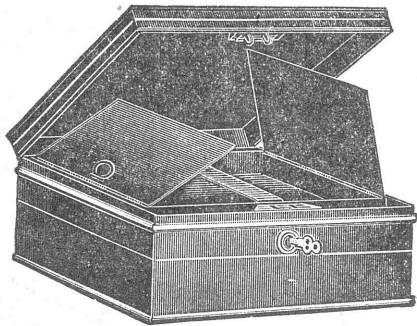
## CASH BOOK

200 Page. Good Paper. Well Bound.

Price, each ..... \$2.50

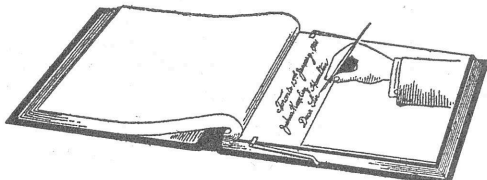
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**NEW DOCUMENT BOX**



For holding Secretary's Books, Papers and Cash. Heavy iron, lock and key. 16 inches long, 12 inches wide and 7 inches deep. Has heavy re-inforced corners. Very strong and attractive.  
 Price, each ..... \$8.00

**CARBON COPY LETTER BOOK**



Convenient for the Secretary to retain copies of all correspondence. Pen or Pencil may be used. If you do not keep a copy of all your letters, we would suggest that you should—it may save you dollars. Each..... \$3.75

**CARBON LETTER TABLETS**

For making copies of letters where printed letterheads are not used. Good paper, manilla covers, well bound.  
 Price, each ..... .75

**FORMS OF SCHOOL TRUSTEES**

- Deed of School Site, in duplicate.....\$ .40
- Teacher's Agreement with Trustees,  
per dozen ..... .45
- Trustees' Requisition for School Moneys  
on Account, per dozen ..... .35
- Bond of Secretary-Treas., per dozen..... .40
- Trustees' Notice of Annual School Meet-  
ing, per dozen ..... .35

- Trustees' Notice of Special School Meet-  
ing, per dozen ..... .35
- Directions for Conducting School Meet-  
ings, each ..... .25
- Secretary's Annual Notice to Township  
Clerk, per dozen ..... .35
- Notice of Exemption of Indigent to  
Township Clerk, per dozen ..... .35
- Trustees' Promissory Notes per doz..... .35
- Trustees' Order on Treasurer, in books  
of 100 ..... 1.00
- Separate School Supporters' Notice to  
Clerk, per dozen ..... .35
- Board of Education Order on Treasurer,  
in books of 100 ..... 1.00

**SCHOOL ATTENDANCE ACT**

- Notice to Parent or Guardian of Neglect  
to Educate Child, per dozen ..... .35
- Teacher's Notice of Truant Children to  
Truant Officer, per dozen ..... .35

**PUBLIC HEALTH ACT**

- Teacher's Notice of Infectious Diseases  
(form required to be supplied by school  
authorities) per dozen ..... .35

**FOR SCHOOL SECTIONS IN UNORGANIZED TOWNSHIPS ONLY**

- Assessment Notices, per 100 .....\$ .75
- Assessment Roll Paper—  
Per Sheet ..... .15  
Per Quire ..... 1.40
- School Rate Collector's Roll Paper—  
Per Sheet ..... .15  
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- Bond of Collector of School Rates, each.... .15
- School Collector's Receipts, in books of  
One Hundred ..... 1.00
- Assessor's Report and Equalization of  
Union School Section, per dozen..... .45

PRICES SUBJECT TO CHANGE WITHOUT NOTICE



## Moyer's New Empire Movable Chair Desk

We are Pioneers in The Movable School Seating Idea in Canada

We Sold the First Movable Chairs in Canada

**WE NOW SELL THE BEST**

Nineteen twenty-two sees the introduction to Canadian Schools of Moyer's New Empire Movable Chair Desk which is the last word in school seating.

In the New Empire Chair Desk we have incorporated all the desirable features, eliminated all the undesirable ones, and introduced some entirely new features, all of which tend to make it the most complete and up-to-date Chair Desk offered to Canadian Schools.

### SOME IMPORTANT FEATURES

**First**—Made of the finest selected quarter cut oak stock, making it a most attractive and substantial School Chair.

**Second**—The Desk has three adjustments—Perpendicularly for height,—Plus-and-minus adjustment, allowing the top to be moved backward or forward to or from the pupil,—and the tilting adjustment which allows the desk to be used for Reading, Writing or Drawing.

**Third**—The Book Rack on the left side offers increased book space for senior grades.

**Fourth**—The steel shoe extensions on the front legs overcome the objection to the forward tipping which is found in other Chair Desks.

**Fifth**—Simplicity of Adjustment and Setting Up. A ten year old boy can put one together in three minutes. No tools whatever are required.

**Sixth**—New Empire Chairs are movable. The floor can be easily cleared for drill or social functions.

**Seventh**—Safety Ink Well. By a simple exclusive device the Ink Well is made absolutely safe, air tight and dust-proof. The well is always closed.

**Eighth**—Heavier steel supports and re-inforcements are used in the New Empire Chair Desk than in any other Chair.

**Ninth**—The X-Ray illustration shows in detail its super-construction. Note the Steel Re-inforcing Tie Rods on the four sides of the chair which bind it together so that it cannot possibly get shaky or come to pieces.

**Tenth**—Note the Spiral dowels on the Drawer shown on the **Outside Back Cover**.

**Eleventh**—Note the ends of the Top. Edges laminated to prevent Top warping and splitting.

### PRICES

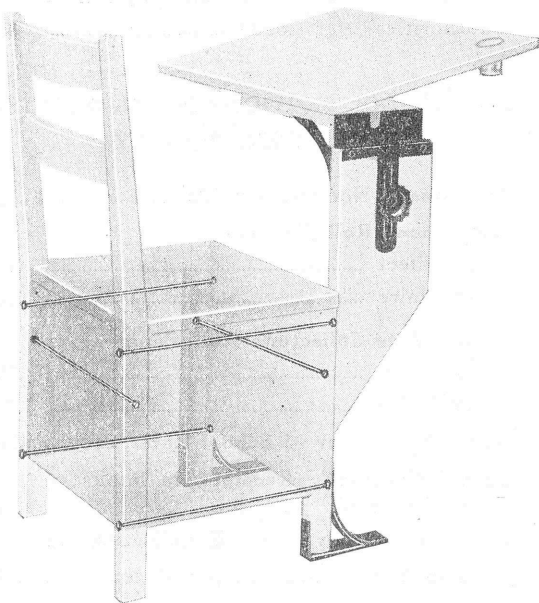
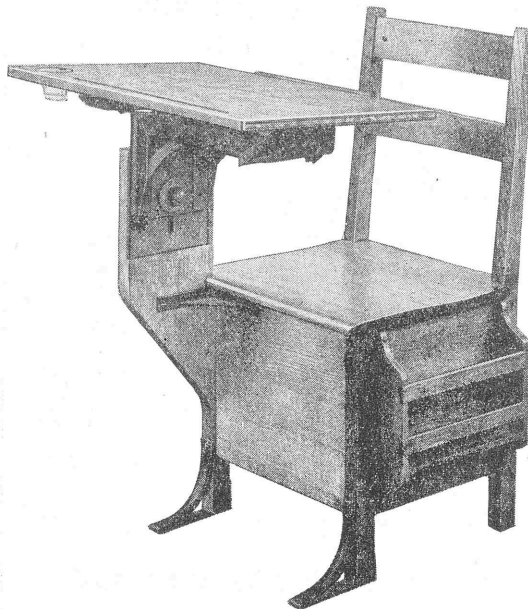
Size A—Pupils 15 to 20 years, each....\$14.35

Size B—Pupils 11 to 14 years, each.... 14.00

Size C—Pupils 5 to 10 years, each.... 13.65

Book Racks as shown on Illustration above will be supplied on Sizes "A" or "B" at an additional charge of 75 cents each.

**See Outside Back Cover.**



*WHEN A BETTER DESK IS MADE—WE'LL MAKE IT*

# Harvard Adjustable Desk and Chair

With Lifting Lid



Our new adjustment insures a perfectly level Top at all times.

Large Book Space.

Very Rigid and handsomely finished.

Made in Three Sizes of Boxes:

28 in. x 20 in.; 26 in. x 20 in.; 24 in. x 17 in.

Unquestionably the most suitable Desk for all High School and Senior Public School Grades.

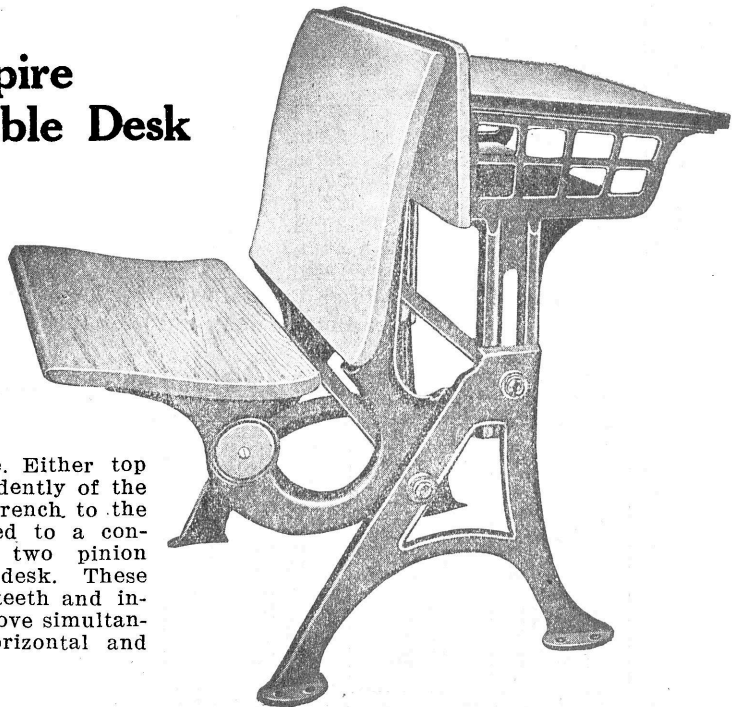
Box 24 in.—Complete with Chair as illustrated.....	<b>\$12.00</b>
Box 26 in.—Complete with Chair as illustrated.....	<b>12.00</b>
Box 28 in.—Complete with Chair as illustrated.....	<b>12.50</b>
Desk and Chair with Stationary Lid and Open Front, 26 in. Box only, Price .....	<b>11.45</b>

## New Empire Single Adjustable Desk

In buying an Adjustable Desk you will be influenced by the following general features:

**Quality, Comfort, Durability, Simplicity of Construction, Appearance, and Sanitation.**

The adjustment is positive. Either top or seat can be adjusted independently of the other by simply applying the wrench to the adjusting nut, which is attached to a connecting rod passing through two pinion wheels at either side of the desk. These pinions operate in racks with teeth and insure both sides of the desk to move simultaneously. The seat has both horizontal and perpendicular movement.

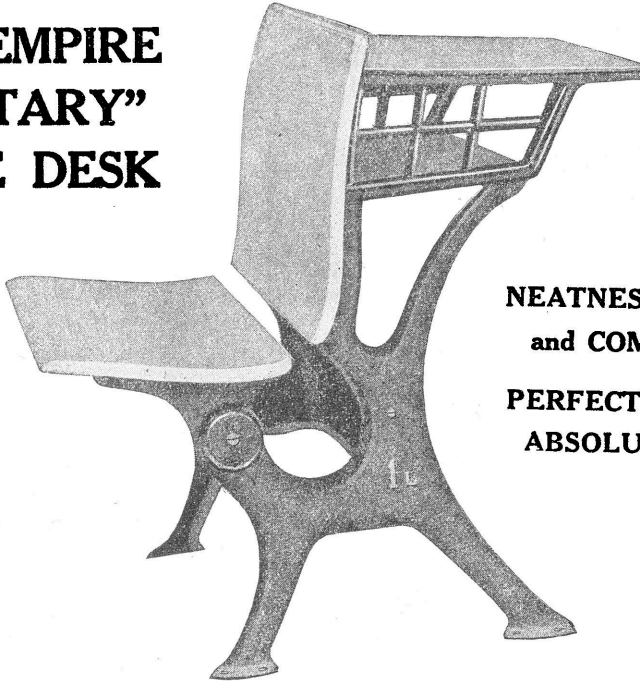


A—Large, 16 in. x 24 in. Each.....	<b>\$9.00</b>
B—Medium, 15 in. x 22 in. Each.....	<b>8.75</b>
C—Small, 14 in. x 20 in. Each.....	<b>8.45</b>
Front Desks and Rear Seats, Each.....	<b>7.30</b>

*THE LARGE NUMBER IN USE IS THEIR BEST TESTIMONIAL*



# NEW EMPIRE "SANITARY" SINGLE DESK



**NEATNESS      STRENGTH**  
and **COMFORT** Combined

**PERFECT FINISH**  
**ABSOLUTELY NOISELESS**

## SPECIFICATIONS AND SIZES

Order by Number in First Column on Left.

No. or Size	Age of Pupil	Height of Seat From Floor	Length of Top. Single	Width of Top	Height of Top of Desk From Floor	Floor Space	Prices of Single Desks
1	16 to 21	17 in.	24 in.	15 in.	29 in.	28 in.	\$7.00
2	15 to 18	16 in.	24 in.	15 in.	28 in.	27 in.	7.00
3	11 to 14	15 in.	22 in.	14 in.	26 in.	25 in.	6.75
4	10 to 13	14 in.	22 in.	14 in.	25 in.	24 in.	6.75
5	7 to 9	13 in.	20 in.	13 in.	23 in.	22 in.	6.45
6	5 to 7	12 in.	20 in.	13 in.	22 in.	21 in.	6.45

New Empire Single Rear Seats or Front Desks. All Sizes from No. 1 to No. 6, \$5.95 each.

See Bottom of Page 13 for Illustrations

## New Empire Double Desk, with Entire Double Seat

No. or Size	Age of Pupil	Height of Seat From Floor	Length Double Entire	Width of Top	Height of Top of Desk from Floor	Floor Space	Price for Desk and Seat
1	16 to 21	17 in.	40 in.	15 in.	29 in.	28 in.	\$8.50
2	15 to 18	16 in.	40 in.	15 in.	28 in.	27 in.	\$8.50
3	11 to 14	15 in.	38 in.	14 in.	26 in.	25 in.	8.25
4	10 to 13	14 in.	38 in.	14 in.	25 in.	24 in.	8.25
5	7 to 9	13 in.	36 in.	13 in.	23 in.	22 in.	7.95
6	5 to 7	12 in.	36 in.	13 in.	22 in.	21 in.	7.95

New Empire Double Rear Seats or Front Desks, all sizes from No. 1 to No. 6, \$6.95 each.

See Bottom of Page 13 for Illustrations

See next Page for "Setting Up" Instructions and Suggestions for Ordering Repairs.

**PRICES SUBJECT TO CHANGE WITHOUT NOTICE**

**HOW TO SET UP NEW EMPIRE DESKS**

**First**—Sort up all sizes of Desk Woods putting all woods of each size together. Remember that there are only three different sizes of woods and six sizes of castings. Nos. 1 and 2 Castings take the largest size of woods, Nos. 3 and 4 Castings take the medium size woods and Nos. 5 and 6 Castings take the smallest size of woods.

**Second**—Connect a pair of Desk Standards or Castings with a foot rest of proper size. Put in the bolts but do not tighten up fully.

**Third**—Put on the back. In putting the "worming" of the casting into the "Serpentine groove" of the wood it should enter about one half inch from its final position. Then using a leather faced block and hammer tap the back on its top edge till the worm and groove are in a position so that the back cannot be loosened by pulling forward, or in other words, till it is driven "home."

**Fourth**—Put the book shelf in place. Be sure that the ends of the book shelf fit perfectly in the grooves of the casting intended for it.

**Fifth**—Put on the top. When the groove in the wood is dropped on to the worming of the casting it should leave the top of the desk about a half inch from the back. When the top is on properly drive it forward with the block and hammer until it fits snugly against the back.

**Sixth**—Put on the seat in the same manner and then draw the foot rest bolts tight and the desk will hold together perfectly till the screws are put in.

**Seventh**—Put two 3/4 in. screws in the bottom of the back. Put two 3/4 in. screws in the outside edge of the top through the proper holes in the castings. Put four 3/4 in. screws in their proper place in the seat. Use two 1 in. screws to fasten the top to the back. Holes for these screws are drilled angle wise in the under side of the top. Use 1/2 in. screws to fasten desks to the floor.

Set No. 1 and 2, 28 inches apart, measuring from back to back.

Set No. 3, and 4, 25 inches apart, measuring from back to back.

Set No. 5 and 6, 22 inches apart, measuring from back to back.

Width of Aisles between Desks, 18 to 22 inches.

Width of Aisles next to Wall, 24 to 30 in.

When ordering Repair Castings state whether Right or Left Castings are required and state whether a Desk Standard or Seat Bracket is wanted. Also give the size of Desk as stamped on the Casting.

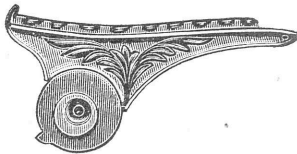
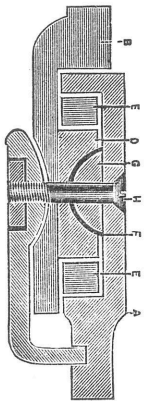


Fig. 1

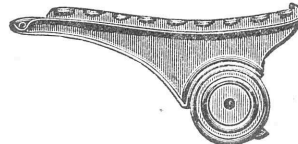


Fig. 2

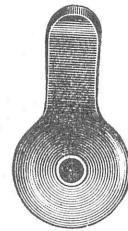


Fig. 5



Fig. 4

A represents the Desk Standard (Fig. 6); B the Seat Irons; C the Earpiece, with its Square Chamber to receive the Nut I on the bolt. D shows the eccentric in the Seat Arm. E E show the Roller Bearers. F is a Brass Cap fitting over the Socket G, which is a Chilled Iron Cone forming the Bearing aid making a Frictionless as well as Noiseless Hinge. H shows the Bolt which holds these various parts together securely, as well as permanently.

By examining the Seat Arm, Fig. 1, you will notice an Eccentric Hinge Bearing by means of which when the seat is lifted up or let down the bearing is brought in contact with the steel rollers shown in the Standard, Fig. 3, gradually tightening the Bearings and stopping the seat at the proper place without noise or jar.

The Seat Arm, Fig. 2, is fastened to the Standard, Fig. 3, with a bolt, Fig. 4, which passes through the bearing and the ear-piece, Fig. 5, the tail end of the ear-piece fitting into a slot in the Standard, Fig. 3. The ear-piece has a square chamber at the top end to receive the nut, making it impossible for the nut to loosen and drop off.

The mechanism of this joint prevents any weight or strain on the bolt when the pupil sits on the seat.

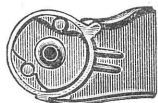
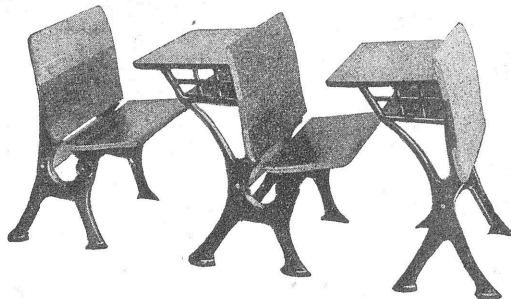
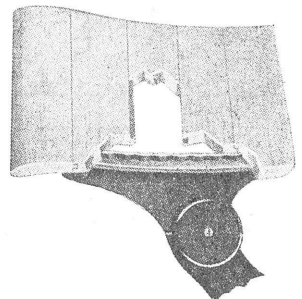


Fig. 3



This Half-Tone Engraving shows a Rear, a Complete Desk, and a Front.

This illustrates the connection between the wood parts and castings as well as "Linderman" dove tail joint, that cannot come apart.



**IF ITS SCHOOL EQUIPMENT WE HAVE IT**



## Something New in Folding Chairs

A new pattern in which are combined all the desirable features of a folding chair Made of Hard Maple, Birch and Steel. Built to withstand rough handling and hard service

### A Chair for Your Particular Requirements

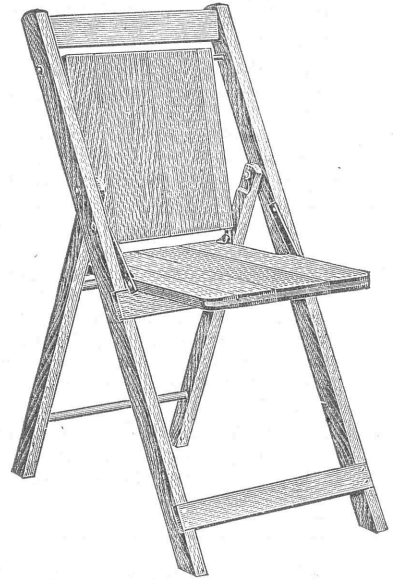
#### NOTEWORTHY POINTS OF CONSTRUCTION

The strongest chair on the market. Made of straight stock and steel, thoroughly riveted.

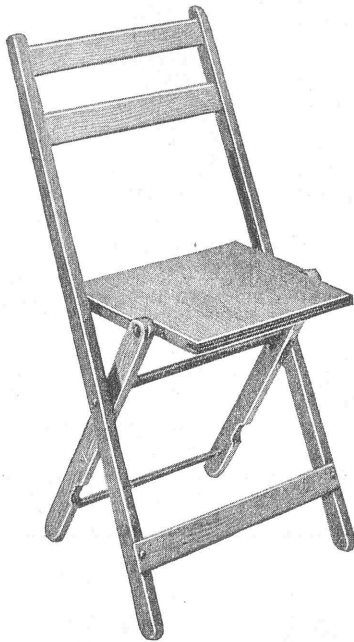
Built wide to give roominess and comfort.

Especially rigid and solid on the floor. Will not tip forward and folds as flat as a board.

Made of Hard Maple, Birch, natural gloss finish.  
 Packed for shipment, one dozen weigh 150 pounds.  
 Steel rod extends through legs and is riveted fast.  
 All legs are heavy, straight stock—not easily broken.  
 All metal parts are riveted fast and cannot loosen.  
 Lower end of back is placed to rear to give comfort.  
 Heavy cross-rail to support weight and carry strain.  
 Heavy cross-rail riveted fast and cannot loosen.



Chair, No. 1—Price each..... \$2.15



Upper Cross Rails Mortised into side legs.  
 Seat is slightly raised in front; makes sitting comfortable.  
 Steel Rods extend through seat.  
 Lower cross rail riveted.  
 Back legs notched so that chair will fold flat like a board.  
 Made of hard maple and birch.  
 Natural finish.  
 Weight 8 pounds.

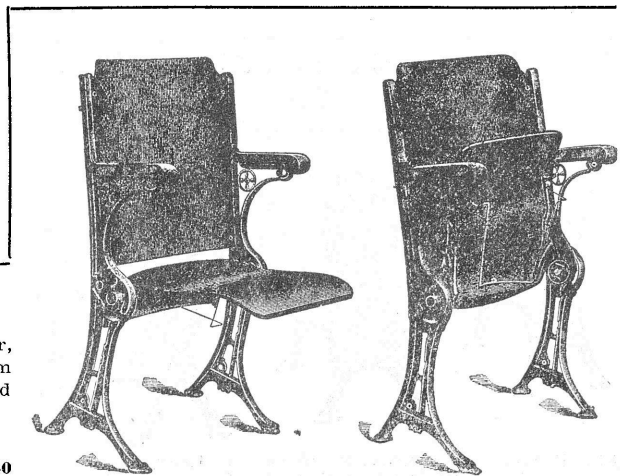
Chair, No. 2—Price each..... \$1.65

### AUDITORIUM CHAIRS

An exceptionally fine sanitary chair, noiseless folding seat. Heavy wood arm rests. Heavy 3-ply veneer. Perfectly rigid and comfortable. Will last a life-time.

Weight 15 pounds. Shipped K.D.

Single Chairs .....\$4.50



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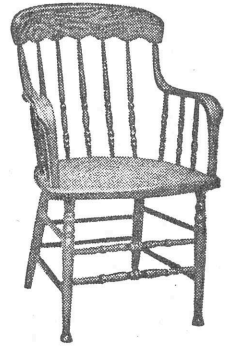
# Teachers' Chairs



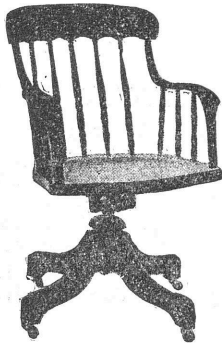
**No. 2—Teacher's Chair**  
Price \$2.45



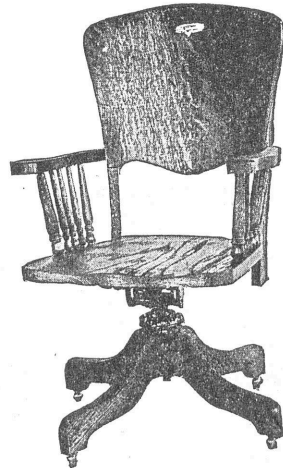
**No. 37—Teacher's Chair**  
Price \$3.90



**No. 3—Teacher's Chair**  
Price \$5.80

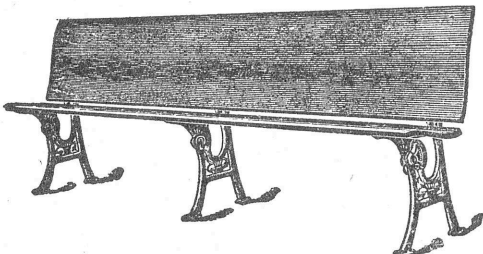


**No. 4—Teacher's Chair**  
Price \$13.75



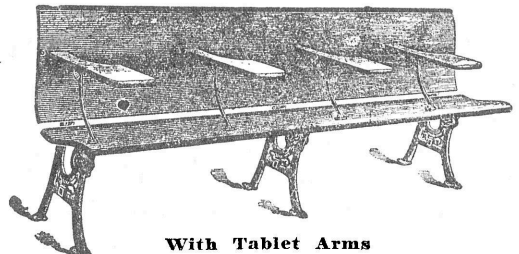
**No. 5—Teacher's Chair**  
Price \$18.00

## FOLDING RECITATION SEATS



6 feet long .....	\$12.25
8 feet long .....	14.50
10 feet long .....	17.25

## FOLDING RECITATION SEATS



**With Tablet Arms**

6 feet long .....	\$14.50
8 feet long .....	18.25
10 feet long .....	20.75

*MORE WORK AND BETTER WORK WITH GOOD EQUIPMENT*

# TEACHERS' DESKS



## TEACHER'S SANITARY DESK

Size 26" x 42"

An exceptionally fine Teacher's Desk. Designed to meet a growing demand for a Sanitary Desk.

Made of Selected Ash or Elm, solid Top, Three Side Drawers, One Centre Drawer.

For Schools wishing a better quality of Desk we can supply this Desk in Solid Oak.

No. 10—Ash or Elm,  
Each .....\$24.50

No. 11—Solid Oak,  
Each .....\$31.50



No. 12—Sanitary Desk  
Size 26x42 inches

## TEACHER'S SANITARY DESKS No. 12—Sanitary Desk

In response to a demand for a low-priced Teacher's Desk we are now offering our new Teacher's Sanitary Desk No. 12 which fully answers all requirements of the average Teacher's Desk at a very moderate cost.

This Desk has two large top drawers which give ample book space. The top gives a generous writing surface.

Made in Elm or Ash with Golden Oak Finish.

Price, each ..... \$14.50

## TEACHER'S SANITARY DESK No. 3-S

An exceptionally fine Teacher's Desk. Designed to meet a growing demand for a Sanitary Desk.

Made of Selected Ash or Elm, solid Top, Three Side Drawers, One Centre Drawer.

Price, Ash or Elm .....\$30.00

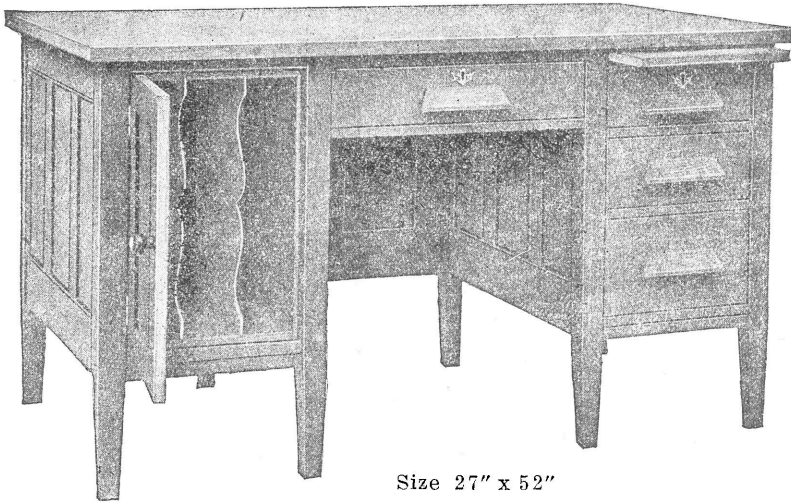


Size 28" x 48"

No. 3-S

WHEN WE SPECIFY ASH OR ELM WE SHIP





Size 27" x 52"

**TEACHER'S  
SANITARY  
FLAT TOP DESK  
No. 21**

Four Large Drawers.  
Made in Selected Ash  
or Elm.

Finished in Light Oak.  
Sanitary Style.

Special Compartment  
for Large Books and  
Records.

Writing Shelf.

Price ..... \$33.00

**TEACHER'S  
SANITARY  
FLAT TOP DESK  
No. 22**

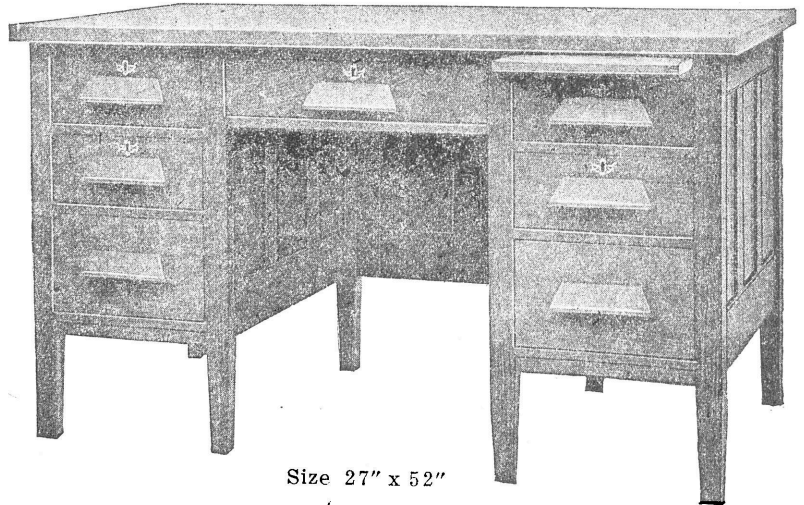
Seven Large Drawers.  
Five Locked Drawers.  
Writing Shelf on Right  
Side.

An excellent Desk for  
Principal's room or for  
Office use.

Made in Ash or Elm  
with Golden Oak finish  
or in Solid Oak.

No. 22—Ash or Elm with  
Golden Oak Finish,  
Each .....\$33.00

No. 23—Solid Oak,  
Each .....\$41.50



Size 27" x 52"

**TEACHER'S  
TABLE**

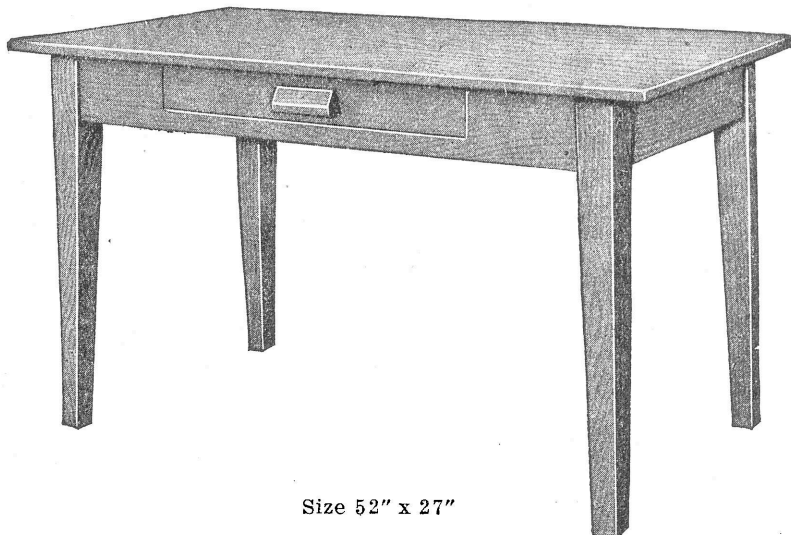
Very Strongly Built.

Large Top. One Large  
Drawer.

Shipped Knocked down.

An Ideal Article of  
Furniture, where an in-  
expensive desk is re-  
quired.

Price ..... \$10.00

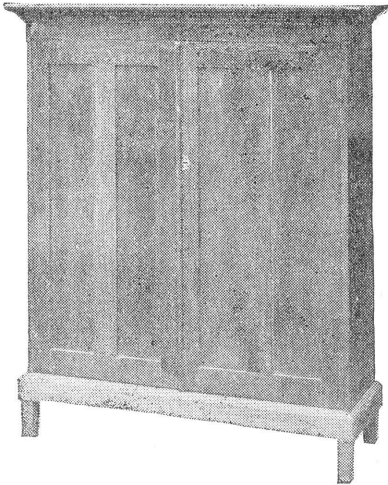


Size 52" x 27"

WHICH EVER IS IN STOCK WHEN ORDER IS RECEIVED

## Book Cases

Hardwood



### No. 1—BOOK CASE

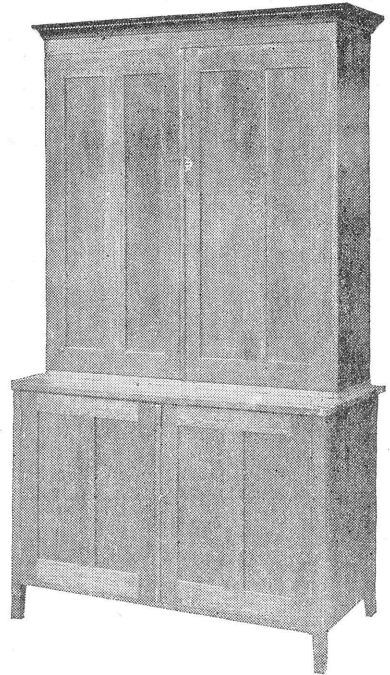
Glass Doors with Lock.  
Golden Oak Finish.  
Height 50 inches.  
Width 40 inches.  
Depth 11 inches.

Price ..... \$26.25

### No. 2—BOOK CASE

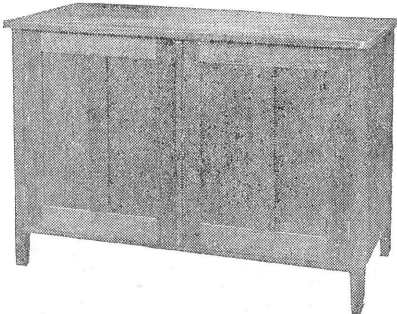
Similar to No. 1 but with Solid Wood Doors instead of Glass, as per cut.

Price ..... \$24.25



### COMBINATION BOOK CASE AND CUPBOARD

Either No. 1 or No. 2 Book Case may be used as the upper section.  
Price, with No. 1 Book Case \$45.00  
Price, with No. 2 Book Case 43.00



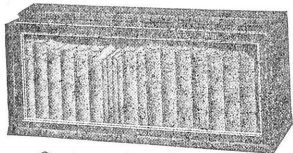
### SCHOOL CUPBOARD

Height 30 inches.  
Width 42 inches.  
Depth 18½ inches.  
Will accommodate Globe and other smaller Supplies.  
Price ..... \$18.50

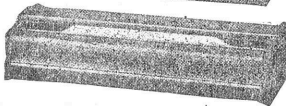
## Macey Sectional Book Case



Top Section



Book Section



Base Section

All Sections 34 inches Wide.

Every Unit of Macey Book Cases is a solid unit which is always ready to be put in place and does not require to be put together after you get it like some makes of sectional book case units.


This is one reason why Macey Book Cases give such universal satisfaction.

This shows the Unit Idea as applied to


### MACEY STANDARD BOOK CASES

You can start in with these three sections and insert extra Book Sections between the top and base as required. No need to buy any greater Book space than you need to start with—that's the beauty of the Unit Idea.


No. 10 Top Section 

No. 23 Book Section 


Inside Height, 8½ inches.  
Inside Depth, 9½ inches.

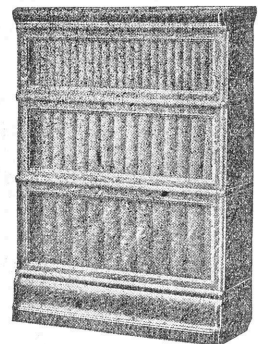
No. 3 Book Section 

Inside Height, 10¼ inches.  
Inside Depth, 9½ inches.

No. 4 Book Section 

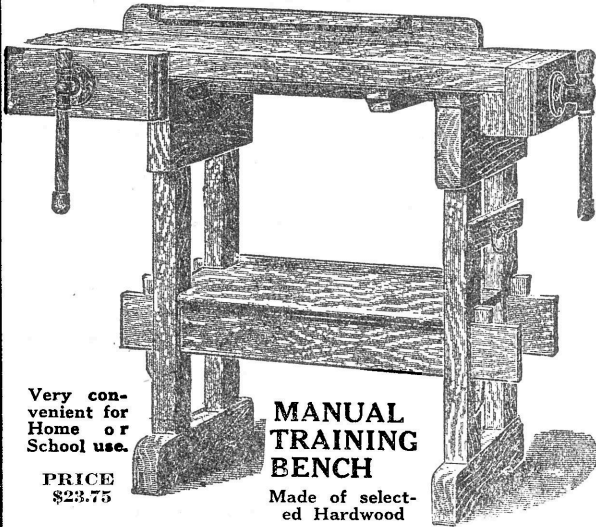
Inside Height 12½ inches.  
Inside Depth, 9½ inches.

No. 13 Base Section 



Complete Stack Consisting of Top, Base and 3 Book Sections .....	\$34.50
Book Sections, Each .....	8.30
Top Sections, Each .....	4.80
Base Sections, Each .....	4.80

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

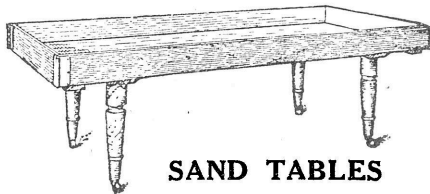


Very convenient for Home or School use.

PRICE \$23.75

**MANUAL TRAINING BENCH**

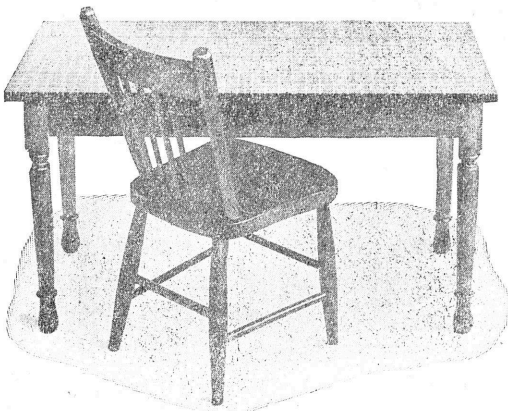
Made of select-ed Hardwood



**SAND TABLES**

The Table is strongly made of well seasoned wood. It is six feet long by 30 inches wide and 24 inches high from floor to top of tray. The tray is four inches deep, lined with zinc, joints all leaded, painted and shellacked.  
Price, ..... \$30.00

**KINDERGARTEN TABLE and CHAIR**



**TABLE—**

Made of hardwood with Top lined accurately in Inch Squares. Score marks can never be erased. Perfectly smooth for writing. This is an exceptionally strong Table. Shipped K.-D. in compact form. Made in two sizes 36 inches and 72 inches long.

18 x 36-in. Table ..... \$ 4.95  
18 x 72-in. Table ..... 9.30

**KINDERGARTEN CHAIR—**

Plain, strong hardwood Chair. Golden finish.

Price, each ..... \$1.25

**MANUAL TRAINING SUPPLIES**

The following sets of Manual Training Supplies are based on the specifications for Manual Training equipment which we are constantly receiving. The tools are of standard make, and guaranteed by the manufacturer to be made of first-class materials and free from defects in manufacture.

**Set No. 01**

**General Tools for Six Students**

- 1 Set Solid Center Genuine Irwin Auger Bits, ((9 Bits).....\$8.50
- 1 Only 8" Stanley N.P. Ratchet Brace 2.45
- 1 " Rose Countersink ..... .25
- 1 " Screw Driver Bit ..... .20
- 1 " 9" Draw Knife ..... 1.75
- 3 " No. 64 Spoke Shaves @ .35c... 1.05
- 1 " 26" 6 pt. Royal Saw ..... 2.85
- 1 " 22" 10 pt. Royal Saw ..... 2.50
- 1 " No. 110 Coping Saw ..... .60
- 12 " Coping Saw Blades ..... .25
- 1 " 10" Half Round Cabinet Files .65
- 3 " 2 1/4 x5 Cabinet Scrapers @ .35c 1.05
- 1 " 24x16 Steel Square No. 14..... 3.00
- 6 " Carriage Maker's Clamps @ \$1.50 ..... 9.00
- 1 " 7x2x1 India Oil Stone ..... 3.00
- 1 " 13A Copperized Steel Oiler... .40
- 2 " 3 ft. Eccentric Steel Bar Clamps @ \$4.25 ..... 8.50

\$46.00

**Set No. 02**

**Individual Tools for Each Bench**

- 1 Only 14" No. 5 Bailey Jack Plane...\$6.00
- 1 " 10" No. 2 S. & D. Back Saw... 3.00
- 1 " 13 oz. 2B Nail Hammer..... 2.00
- 1 " 6" No. 20 Try Square ..... .90
- 1 " No. 61 Marking Gauge ..... .20
- 1 " 2 ft. No. 68 Rule ..... .30
- 1 " 3/8" B.E. Leather Tip Socket Chisel ..... .85
- 1 " 3/4" B.E. Leather Tip Socket Chisel ..... .95
- 1 " Sloyd Knife ..... .80
- 1 " 3x5 No. 1 Round Hickory Mallet ..... .80
- 1 " 1338x2 Bench Brush ..... .90
- 1 " No. 252x6 Screw Driver..... .30

\$17.00

**Set No. 03**

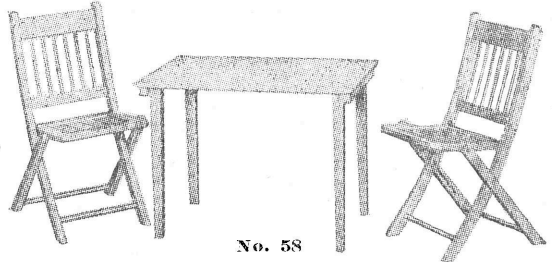
**Wood Turning Tools.**

- 1 Only 3/8" Tanged Chisel .....\$ .40
- 1 " 3/4" Tanged Chisel ..... .60
- 1 " 1/4" Tanged Gouge ..... .55
- 1 " 5/8" Tanged Gouge ..... .60
- 1 " 1/2" Parting Tool ..... .50
- 5 " L.T. Chisel Handles @ 35c... 1.75

\$4.40

**FOLDING KINDERGARTEN SETS**

Set consists of one No. 56 Table and two No. 49 chairs.



No. 58

Finish—Natural.

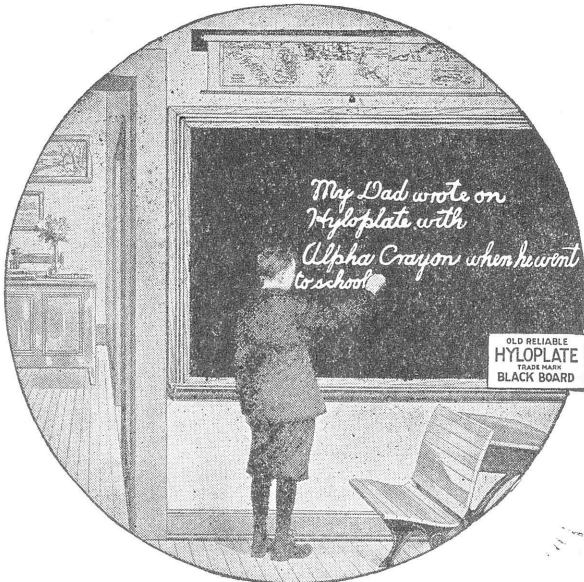
The special feature in connection with this set is that the chairs and table can be folded up when not in use.

Strong and well made. Size of Table, 18 inches wide, 26 inches long 20 inches high. Height of chair seat from floor 12 inches.

Price per Set, 1 table and 2 chairs..... \$7.00  
Price for Table only..... 3.00  
Price for Chair only, each..... 2.25

**TRAIN THE BOY'S HAND AS WELL AS HIS MIND**





OLD RELIABLE

**"Thirty Years Reputation Behind It."**  
**"OLD RELIABLE" HYLOPLATE** needs no introduction or description. School Boards have been buying it for over thirty years. It is now better than ever.

The same positive ten-year guarantee still goes with every foot we sell. We take all the risk of defects and no questions asked.  
**Black, per Sq. Ft. .... 37 1/2c**

Fraction of a foot charged as a full foot. Made only 3, 3 1/2 and 4 feet wide, but in any length up to 12 feet.

**"HYLOPLATE"** Blackboard may be cut with an ordinary saw.

Be sure to specify **HYLOPLATE** by name this year above all years. The **velvet writing surface** is most economical in the use of **crayon** and is erased completely with a minimum of effort and eraser wear. One-third of a century of service is the record of "Old Reliable" **HYLOPLATE** Blackboard and is assurance of its sterling worth.

**HYLOPLATE** never sweats, never gets greasy. It is sanitary. It has a uniform dead jet **BLACK** elastic velvet writing surface that is not noisy when written upon and that does not chip, crack or "spider check." Any kind of chalk or crayon may be used.

**HYLOPLATE** costs little if any more than blackboards with a less enviable record for satisfactory performance. It is economy to buy the "Old Reliable."

**HYLOPLATE** is carried in stock in our three warehouses and is always available for immediate shipment.

There is no breakage in transit and the freight is little.

**HYLOPLATE** is easily installed by anyone who can use a saw and hammer, on any sort of a wall; even on bare studding. Full directions accompany each shipment.

**THE MANUFACTURER'S GUARANTEE**

Genuine trade-marked **HYLOPLATE** is guaranteed by the manufacturers to give entire satisfaction and for ten years or more of school-room use. The guarantee is liberal and leaves entirely to purchaser the question of whether the blackboard is satisfactory and as represented.

To secure this liberal guarantee and the protection it affords, all you need to do is to make sure that your order has been filled with genuine Hyloplate. There is only one **HYLOPLATE** Blackboard. The name is registered as a trade-mark, and is die cut into the back at frequent intervals. None but genuine **HYLOPLATE** may be legally offered as such. The guarantee covers genuine Hyloplate, but does not protect you on any blackboard accepted as **HYLOPLATE** or "the same as **HYLOPLATE**," on which the words "**TRADE MARK HYLOPLATE**" do not appear. Look for the name.

**MOYER'S HYLOPLATE MOULDINGS**

This moulding should be used in all cases to insure the best results from "Hyloplate".

Full instructions for putting up go with every shipment of "Hyloplate".

**PRICE FOR MOULDINGS**

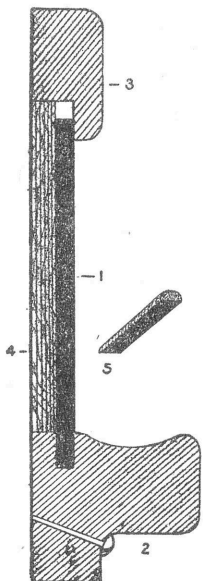
**Chalk Trough**—For Bottom of Board and to hold Chalk and Erasers. Per lineal Ft. .... 10c

**Trim**—Moulding for Top and Ends. Per Lineal Foot.... 08c

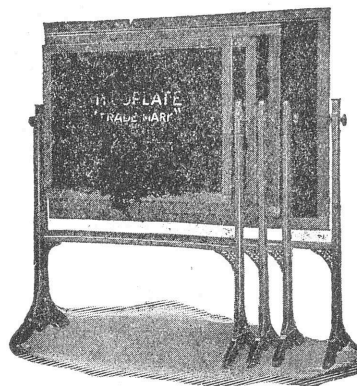
**Back Stripping**—Between "Hyloplate" and Wall. Per strip 05c

**Half Round**—For Covering Joints Per Foot ..... 03c

When ordering, just say: "**SEND MOULDINGS REQUIRED, AND WE WILL DO THE REST.**"



**STYLE "D" REVERSIBLE BLACKBOARDS**



Made of Genuine double thickness "Hyloplate", slated on both sides. Solid oak frame, in natural finish. Can be reversed instantly, or easily taken apart.

The hand screws at the side act as pivots and permit the Board being fastened at any angle.

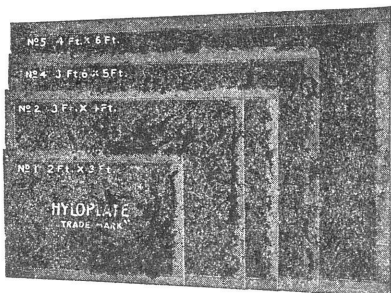
When ordering give size as well as number.

No. 1D—3	x4	feet	\$30.00
No. 2D—3	x4 1/2	feet	33.25
No. 3D—3 1/2	x5	feet	35.25
No. 4D—4	x6	feet	40.50

OLD RELIABLE HYLOPLATE—THE STANDARD BLACKBOARD

**FRAMED BLACKBOARDS**

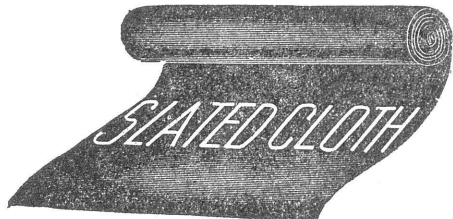
Made of Extra Thickness of "Hyloplate"  
Finished on Both Sides—Hardwood Frame



No.	Size	Price
1.	2 x 3 feet	\$ 7.50
2.	3 x 4 feet	11.75
3.	3 x 4 1/2 feet	13.25
4.	3 1/2 x 5 feet	15.60
5.	4 x 6 feet	20.00

STYLE B.  
Music Lines or Staff Extra.

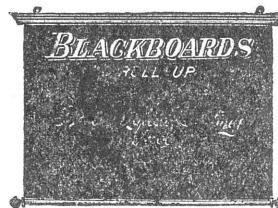
**SLATED BLACKBOARD CLOTH**



For making additional Blackboards, Small Spaces and for Temporary Blackboards.  
Black, 36" wide, slated one side, per lin. yd. \$1.50  
Black, 48" wide, slated one side, per lin. yd. 2.00  
Green, 36" wide, slated one side, per lin. yd. 2.00  
Green, 48" wide, slated one side, per lin. yd. 2.50

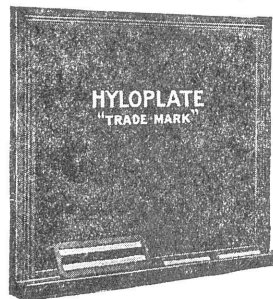
**ROLL BLACKBOARDS**

OF SUPERIOR QUALITY SLATED CLOTH



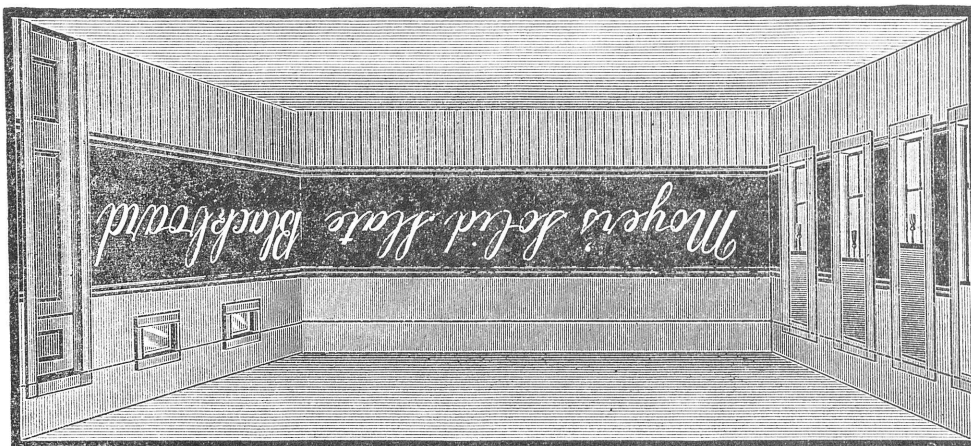
No.	Size	Finished on Two Sides
2.	3 x 3 feet	\$2.50
3.	3 x 4 feet	3.25
4.	3 x 5 feet	4.00
5.	3 x 6 feet	5.00
6.	4 x 4 feet	4.00
7.	4 x 5 feet	5.00
8.	4 x 6 feet	6.00

**SCHOOL AND TOY BLACKBOARDS**



No. 1—15 x 18 inches	\$1.60
No. 2—18 x 24 inches	1.75
No. 3—21 x 30 inches	2.35
No. 4—24 x 36 inches	2.50
No. 5—36 x 48 inches	5.75

**Moyer's Solid Slate Blackboards**



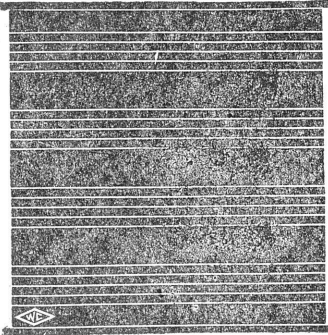
We assert without fear of successful contradiction, that **MOYER'S Solid Slate Blackboards** manufactured from No. 1 Pennsylvania Slate, and Hand Shaved as we finish them, are more satisfactory to use in the School Room, last longer and are cheaper by one-half in the long run than any other Slate Blackboard on the market.

We guarantee all our boards to arrive at purchaser's freight station in good order, and will replace free of charge any board broken in transit, provided a written certificate of such breakage is furnished us, signed by the freight agent at receiving point, and setting forth size of board or boards broken.

36 inches wide, per square foot.....	65c	48 inches wide, per square foot.....	65c
42 inches wide, per square foot.....	65c	54 inches wide, per square foot.....	70c

IF IT'S SCHOOL EQUIPMENT WE HAVE IT

**MUSIC CHARTS**



On best quality Slated Cloth, double faced.  
 Lines white on one side only.  
 4 staves of 5 lines each.  
 No. 3M—Size 4x3 feet. Each..... **\$7.00**

**BLACKBOARD CHALK CRAYONS**  
**Waltham White Crayons**



Per Gross Box ..... **45c**

**Waltham Yellow Enameled Crayon**

Per Gross Box ..... **50c**

**"Hygieia" Dustless Crayon**



Per Gross Box ..... **80c**

**"Alpha" Dustless Crayon**



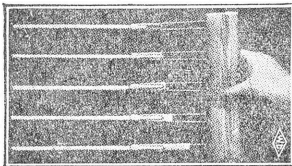
Per Gross Box ..... **80c**

**Colored Crayon—Best No. 1**

Per Gross Box, No. 510 ..... **\$3.00**  
 Per Half Gross Box, No. 520 ..... **1.50**  
 Per Box, Two Dozen Crayons, No. 570..... **.75**  
 Per Box, One Dozen Crayons, No. 530..... **.40**

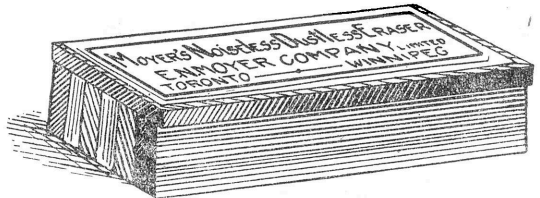
See Pages 76 and 77 for Crayons

**RAPID BLACKBOARD LINER**



For ruling Blackboard quickly and accurately for Music and Penmanship.  
 Price, each ..... **.75**

**BLACKBOARD ERASERS**  
**Moyer's Noiseless and Dustless Eraser**



Made entirely of the best wool felt firmly glued to wood block, consequently it always retains its shape and wearing quality. No thread or stitches to become loose. No hard substance to injure Blackboard. Absolutely noiseless and the wearing depth is five times greater than that of ordinary Erasers.

Per dozen in box ..... **\$2.75**  
 Price, each ..... **.25**

**The Andrew's Dustless Wool Felt Eraser**



This Eraser is made of wool felt, so applied that the rubbing is done by the ends of the fibre, consequently the Board is cleaned more thoroughly and the wearing quality of the Eraser increased. It gathers and holds dust and is cleaned by rapping on a board or hard surface.

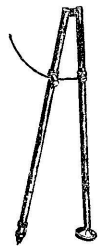
Per dozen in box ..... **\$1.65**  
 Price, each ..... **.15**

**BLACKBOARD CRAYON COMPASSES**

**Crayon Compass No. 1**

Legs 18-in. long. Solid mahogany with adjustable holder. Rubber foot on a Ball joint to protect Blackboard.

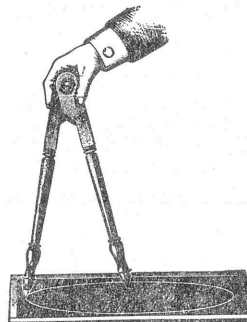
Price, each ..... **\$2.00**



**Crayon Compass No. 3**

Made of Maple, with rubber foot, adjustable Crayon Holder. Extra strong and substantial. Longer than most compasses of similar style. The screw adjustment at the top works perfectly and holds compasses at the spread desired.

Price, each ..... **\$1.00**



**LIQUID BLACKBOARD SLATING**



For re-finishing old Blackboards or for making new Blackboards on Wood or Plaster, for temporary use.

For the Best Permanent Blackboard buy "OLD RELIABLE HYLOPLATE." Liquid Slating is supplied in Black.

**PRICES**

	Black
Per Pint .....	<b>\$1.50</b>
Per Quart .....	<b>2.50</b>
Per Half-Gallon .....	<b>4.00</b>
Per Gallon .....	<b>8.00</b>

One Quart should cover 60 square feet with Three Coats

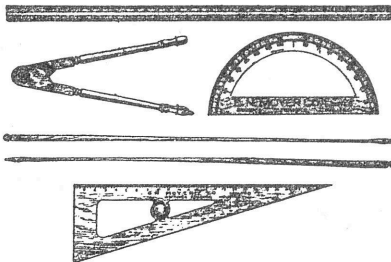
**SLATING BRUSHES**

To get the best results in applying "Liquid Slating" we recommend our special Slating Brushes.

Best Quality Bear's Hair Brushes

3 inches, wide, each .....	<b>\$1.00</b>
4 inches wide, each .....	<b>2.25</b>
5 inches wide, each .....	<b>3.00</b>

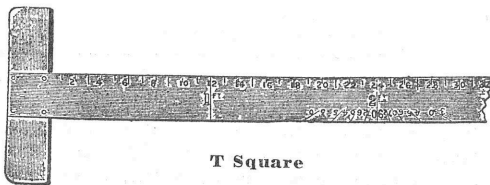
**BLACKBOARD GEOMETRY SET**



Protractor, 15 1/4 inches. Triangle, 24 inches. Pair of Compasses. Two Pointers. Straight Edge. More Pieces than any other set.

Complete ..... **\$5.00**

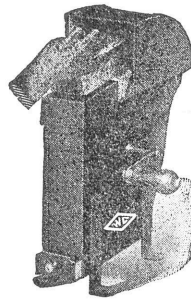
**GEOMETRICAL INSTRUMENTS**



T Square

Straight Edge, 36" with handle .....	<b>\$.65</b>
T-Square, graduated .....	<b>1.00</b>
Protractor, graduated .....	<b>.90</b>
Compass, No. 1 .....	<b>2.00</b>
Compass, No. 3 .....	<b>1.00</b>
Metric Ruler, 1 metre .....	<b>.75</b>

**THE NEW SANITARY ERASER CLEANER**



The New Sanitary Eraser Cleaner solves the problem of eraser cleaning. The illustration shows the simplicity of operation, but it does not show the satisfactory and sanitary method of disposing of the dust.

Briefly, the machine consists of a strong revolving fibre brush mounted on a cold rolled steel shaft running in brass bearings. Brush and bearings are encased in a neatly enameled galvanized hood. The eraser is inserted on an adjustable apron. A slight pressure on the eraser and a few turns of the crank thoroughly cleans any size, style or kind of eraser. The dust is carried around by the brush and deposited in the bottom drawer (see illustration) in which a little water has been placed.

There is nothing to get out of order. The machine is strongly built of best materials and will last indefinitely.

**Sanitary**—The cleaner is **NOISELESS** and **DUSTLESS**. All dust goes into the drawer at the bottom. A little oil or water is kept in the drawer to keep the dust from scattering.

**Convenient**—This apparatus takes little room and is strong and durable. It should be screwed securely to a board and the erasers from one room at a time cleaned. It can be used either in the school room or in the basement and will last a long time.

**Economical**—The machine will add life to the erasers as it does away with the old way of rapping them on hard surface to get the dust out of them.

Weight being only 7 lbs. "The New Sanitary" can be sent by Parcel Post. Postage extra. Price, each ..... **\$12.75**

**BLACKBOARD POINTER**



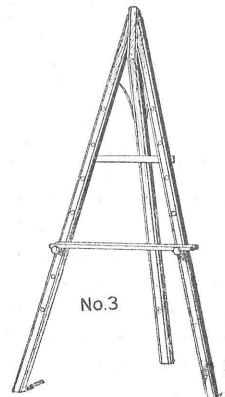
Made of Hardwood, Rubber Tipped. Screw eye in handle for hanging up. Price, each **25c**; Five for **\$1.00**; Per dozen, **\$2.40**

**BLACKBOARD EASEL**

Height to top, 72 in.  
 Height to lowest adjustment, 18 in.  
 Height to highest adjustment, 50 in.  
 Number of Adjustments, 7.  
 Spread of feet at bottom, 28 in.  
 Finish, None.  
 Weight, each 20 lbs.

Has loose adjusting pins and shelf on which blackboard rests. Suited to blackboards 3 feet 6 inches in width.

Price, each ..... **\$4.00**



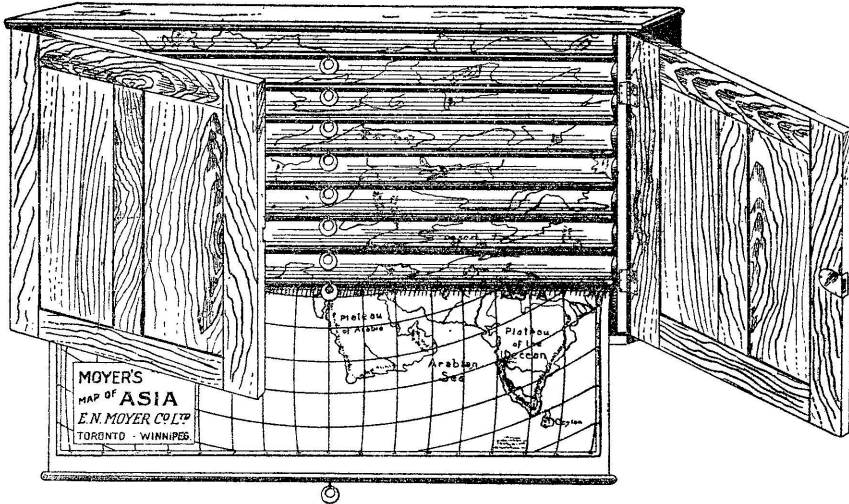
*WE ARE SPECIALISTS IN SCHOOL EQUIPMENT*



# MAPS AND MAP CASES

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Drawn and Lithographed by Geo. Philip & Son, Ltd., London, England



Only Maps described below will fit this Cabinet

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BRITISH ISLES  
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EASTERN HEMISPHERE

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MANITOBA, 41 x 72 in.  
SASKATCHEWAN, 41 x 72 in.  
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Single Maps—Mounted with Plain Wooden Rollers at top and bottom ..... \$ 5.25

Single Maps—Mounted on Spring Roller with Portable Board and Hangers (this style preferable), each ..... 7.00

See Bottom of Page 27 for illustration of Spring Roller Mounting

### NEW EMPIRE SERIES MAPS IN CASES

#### MAP CASES WITH MAPS

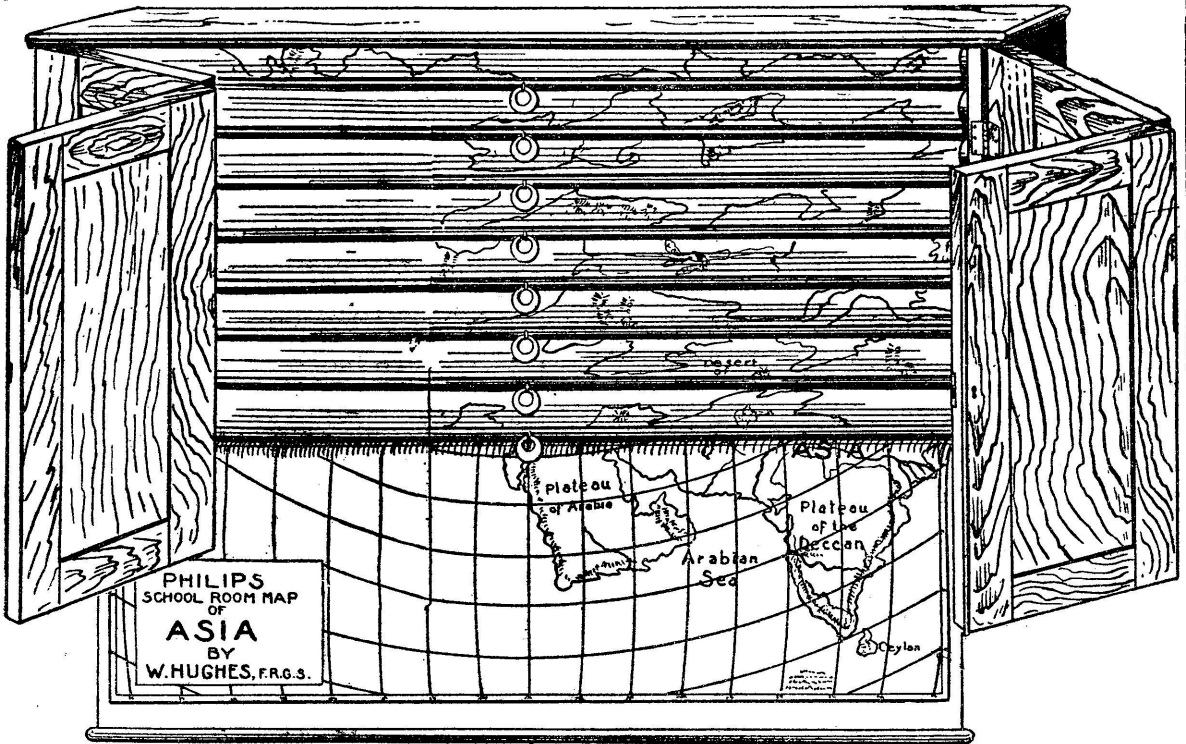
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LARGE SCHOOL



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	EUROPE	UNITED STATES	IRELAND	
	ASIA	MERCATOR WORLD	INDIA	
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See Bottom of Page 27 for illustration of Spring Roller Mounting

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A New Series of Four Maps, especially suited to class-room work. The large distinct lettering and well defined boundary lines are features that will be appreciated by all. Rivers are boldly traced in black and mountains in shades of gray. Latin text.

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Size, 80 x 80 inches.

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WITH NAMES

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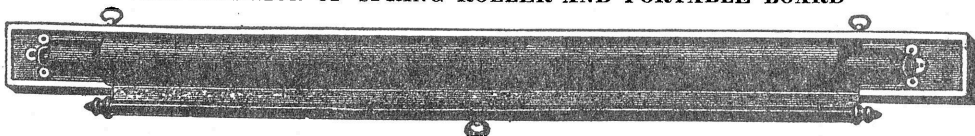
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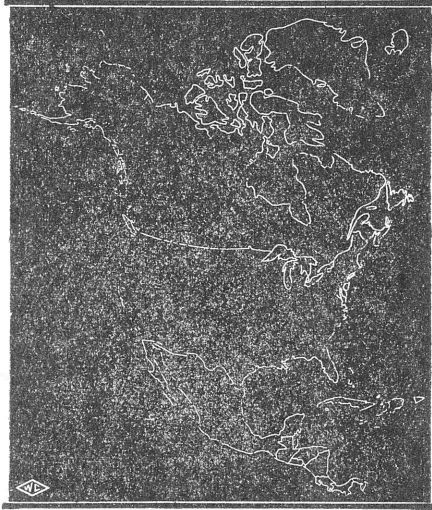
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W 9	Eastern Hemisphere	50x60
W10	Eurasia	60x50
W11	Europe	60x50
W13	North America	50x60
W15	Oceania	60x50
W17	Palestine	50x60
W18	South America	50x60
W20	Western Hemisphere	50x60
W24	United States	60x50
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## Blackboard Maps

(Map Building Sheets)

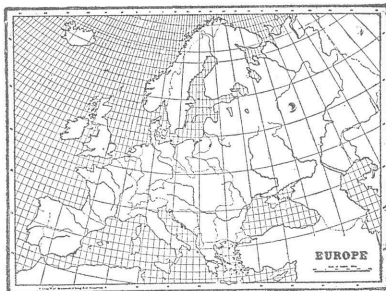
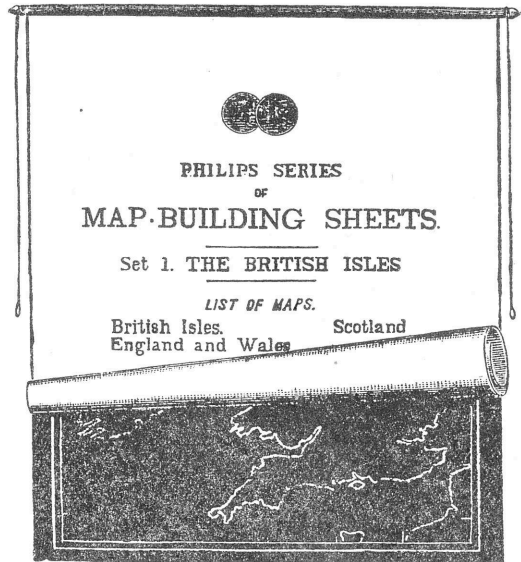
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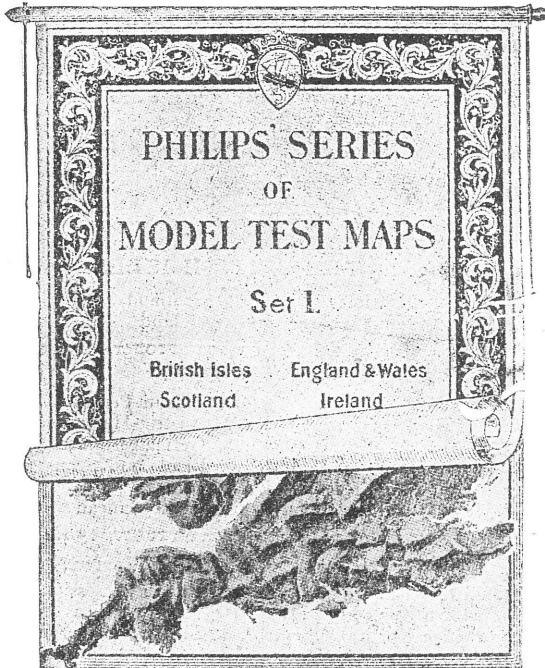
These maps are lithographed (not printed) on a good quality of bond paper, carefully selected to take ink or colored crayons readily. Lithographed Desk Maps are superior to printed ones because no impression is made in the paper. In printing, the map outlines are impressed in the paper, breaking the surface fibre, thus making pen work a source of annoyance.

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Scotland	Africa
Ireland	South Africa
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Austria-Hungary, Italy, and Balkan Peninsula	North America
	British North America and United States
	Australia and New Zealand

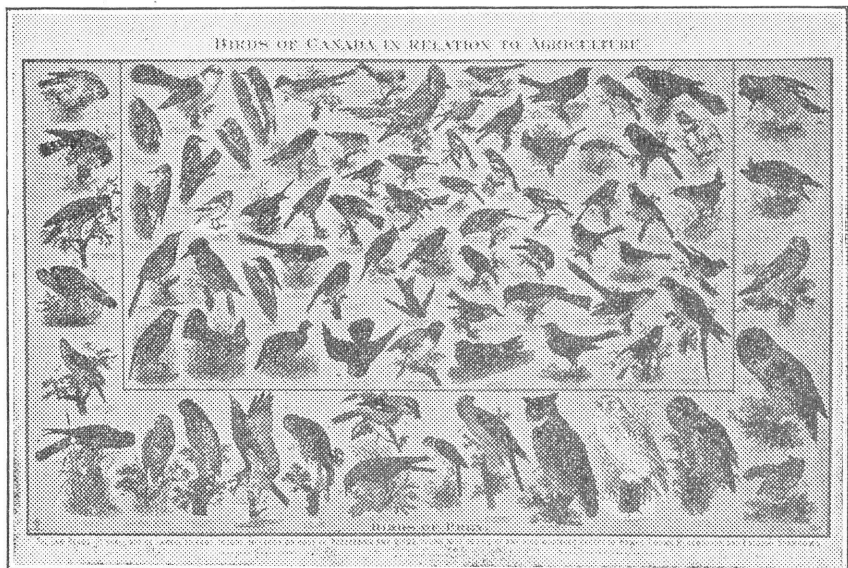
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Both Common and Scientific Names printed under each bird.

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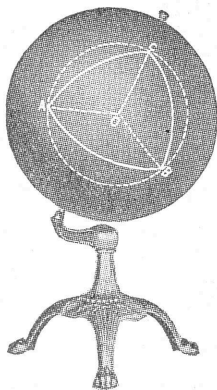
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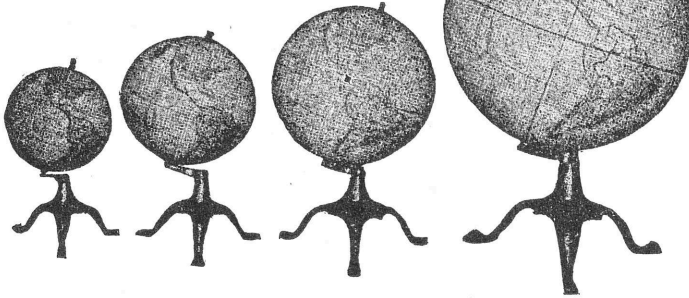
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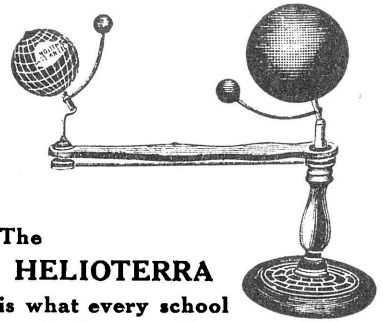
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It is easily seen by the students in all parts of the room.

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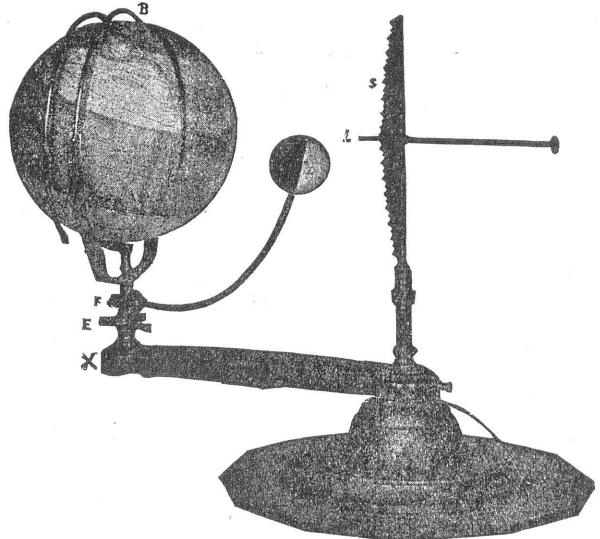
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  5. Why is it that in some parts of the Arctic regions there are nearly six months of day and six months of night?
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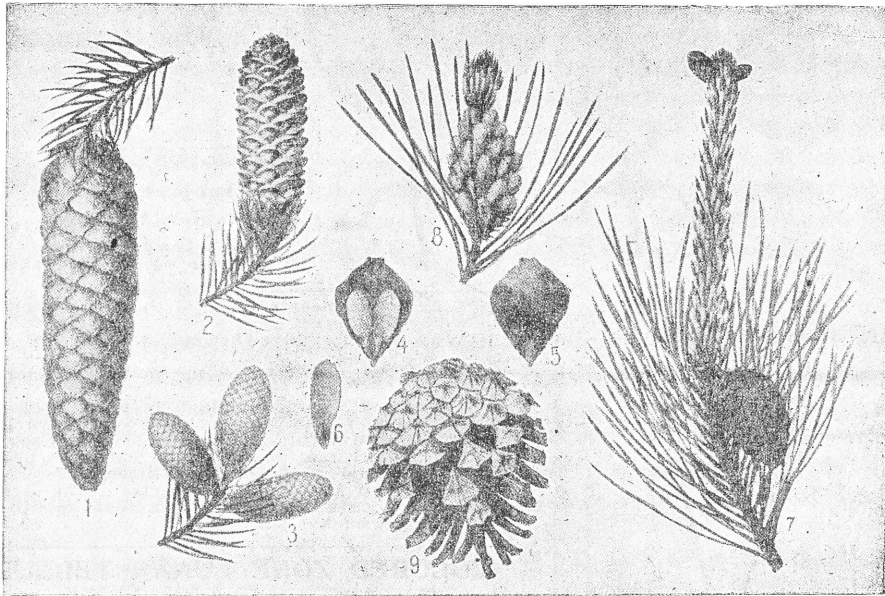
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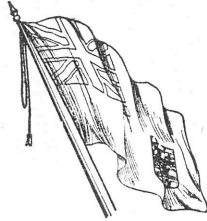
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*SCHOLARS SHOULD KNOW SOMETHING OF NATURAL HISTORY*

# FLAGS

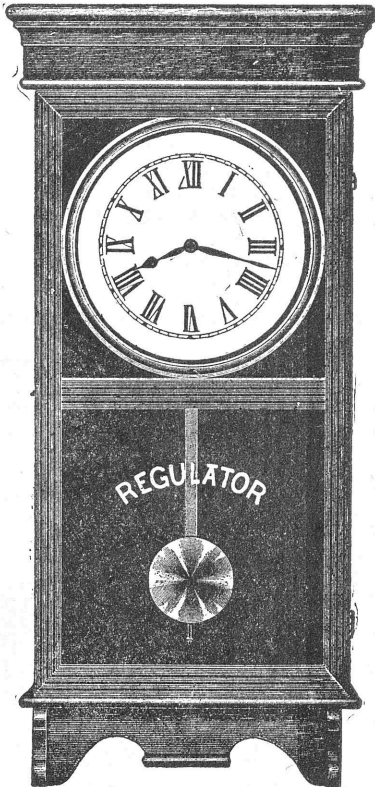
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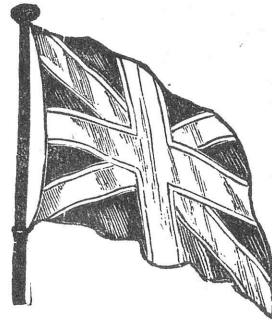


Large, beautifully finished, an excellent time-keeper. A very fine addition to any School equipment. Eight Day.

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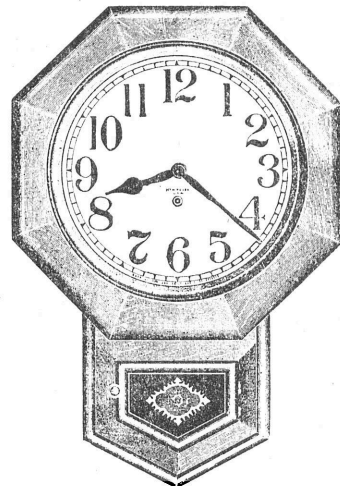
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7½ feet long .....	10.25
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All Wool Bunting Sewn Flag, 3'x1½'..... \$2.00



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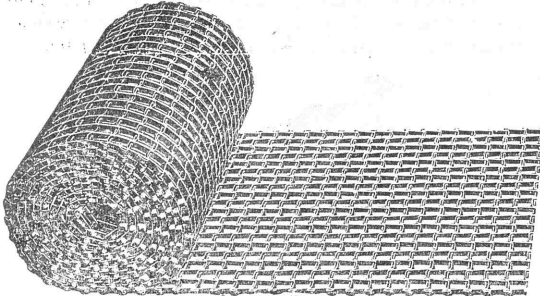
Accurate time-keeper. Beautifully finished. Eight day, Octagon.

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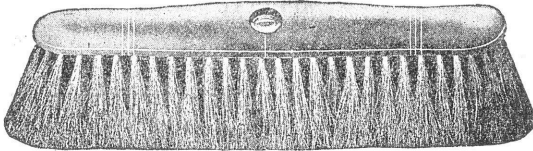
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FLOOR BROOMS**

## SANITARY SWEEPING COMPOUND

A Sweeping Compound and a disinfectant. It gathers up minute particles of dust that would be left untouched by ordinary sweeping methods.

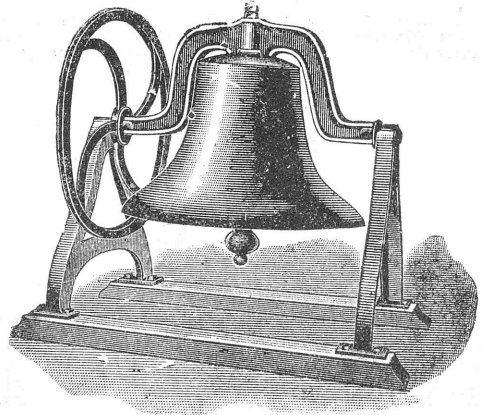
It contains antiseptic oils that purify the air and leave a pleasant odor.

### PRICES

Per Drum, 70 lbs. ....	\$ 4.00
Per Barrel, 150 lbs. ....	7.25
Per Barrel, 250 lbs. ....	11.50
Per Can, 5 lbs. ....	.50

(6 Cans for \$2.50)

## BELLS SCHOOL TOWER BELL



No. and Diam. in inches	App. Weight Complete	Price
20	160 lbs.	\$35.00
22	210 lbs.	40.00
24	265 lbs.	45.00
26	345 lbs.	65.00
28	420 lbs.	95.00
30	540 lbs.	108.00

A 24-in. Bell may be heard in all parts of the average School District.

WRITE FOR OUR  
COMPLETE  
BELL CATALOGUE  
DESCRIBING  
A FULL LINE OF  
SCHOOL AND CHURCH  
BELLS

## PURE BELL METAL HAND BELLS

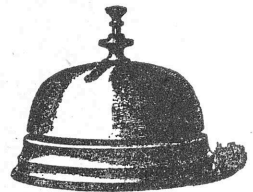
Highly Polished and Enameled Handles.

No. 8—4 inch .....	\$ 2.00
No. 10—6 inch .....	3.90



## DESK BELL

Pure Bell Metal  
No. 720 ..... 60c  
No. 770 ..... 70c  
Nickel Plated.



## REGULATION STRAP



15 inches long ..... .35c

SEE PAGE 42 FOR FLOOR OIL

# Weights and Measures

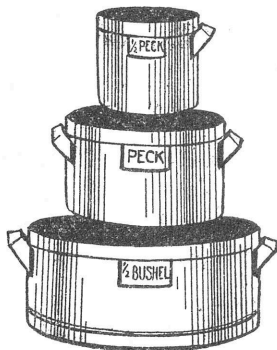
## LINEAR MEASURES

66 Foot Tape Line, Yard Stick, Foot Rule.	
Price, Set Complete .....	<b>\$1.75</b>
Tape Line .....	<b>1.15</b>
Yard Stick .....	<b>.65</b>
Foot Rule .....	<b>.10</b>

## LIQUID MEASURES

Set consists of Pint, Quart, and Gallon Measures, Government stamped. Strongly made.

Per Set, Complete .....	<b>\$3.00</b>
Pint Measure .....	<b>.75</b>
Quart Measure .....	<b>1.00</b>
Gallon Measure .....	<b>1.50</b>



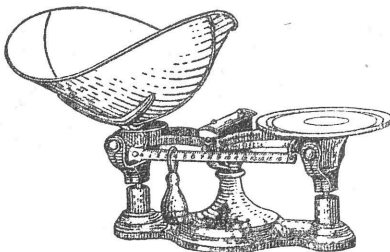
## DRY MEASURES

Set consists of Half Peck, Peck, Half Bushel Measures. Iron Bound, Govt. Stamped.

Set, Complete **\$3.40**

Half Peck Measure .....	<b>\$ .75</b>
Peck .....	<b>1.25</b>
Half Bushel .....	<b>1.50</b>

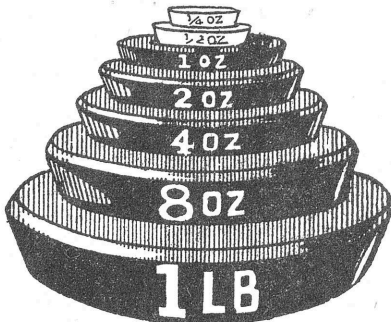
## STANDARD SCALES with WEIGHTS



Government Certificate.

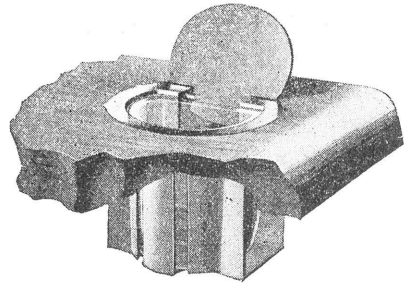
1/4 -oz. to 10 lbs.—Per Set.....	<b>\$11.40</b>
1/4 -oz. to 4 lbs.—Per Set.....	<b>9.00</b>

## SET OF WEIGHTS



1/4 -oz. to 1 lb.—Per Set .....	<b>\$2.50</b>
---------------------------------	---------------

## INK WELLS FOR SCHOOL DESKS



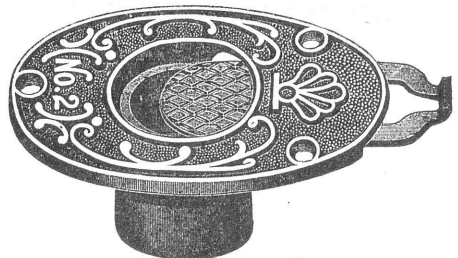
Steel Casing fits Hole in Desk Top 1 1/8" in. dia. Price, Complete i.e.,

Steel Casing and Glass, per doz.....	<b>\$4.00</b>
Each, Complete .....	<b>.35</b>
Glasses, only per doz. ....	<b>1.00</b>

This is the Ink Well used in our Empire School Desks.

When ordering Glasses for this Inkwell specify "Cleveland No. 2" Inkwell Glasses as used in New Empire School Desks.

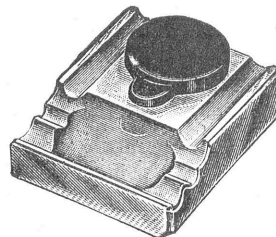
## SLIDE INK WELLS



Fits any desk. Metal case with Slide Top. Price, each, complete glass and casing..... **\$ .50**  
Per dozen .....

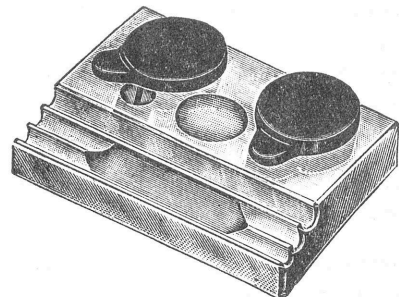
Per dozen .....	<b>5.70</b>
Glasses only, per doz. ....	<b>1.00</b>

## VICTOR INK WELLS



A slight turn of the cover exposes only The Dipcup, leaving the main Ink Reservoir covered and protected at all times.

Single Inkstand, No. 25. Price.....**\$2.00**



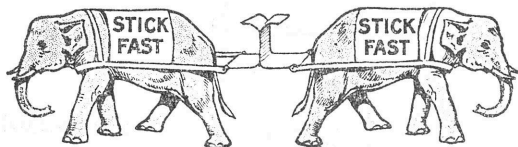
Double Inkstand, No. 35. Price.....**\$3.50**

**"SERVICE" OUR MOTTO**





# PASTE and MUCILAGE



## “STICK-FAST” DRY PASTE

A high grade Paste Powder which mixes readily with cold water. Unexcelled for winter use. The cheapest way to buy Paste.  
Per Pound Package ..... .30c

## DENNISON'S PASTE

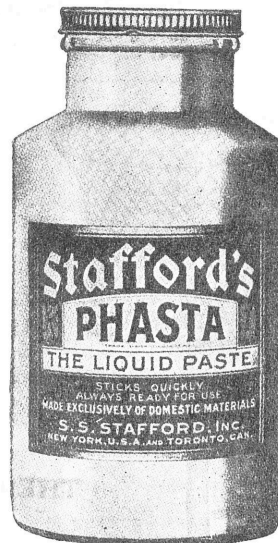


Paste—Per Tube ..... \$ .15  
Mucilage—Per Tube ..... .20  
Glue—Per Tube ..... .20

## STIXIT



Per Tube ..... Each .20  
Half Pint Can ..... Each .50  
Pint Can ..... Each .90  
Quart Can ..... Each 1.50  
Gallon Can ..... Each 4.75



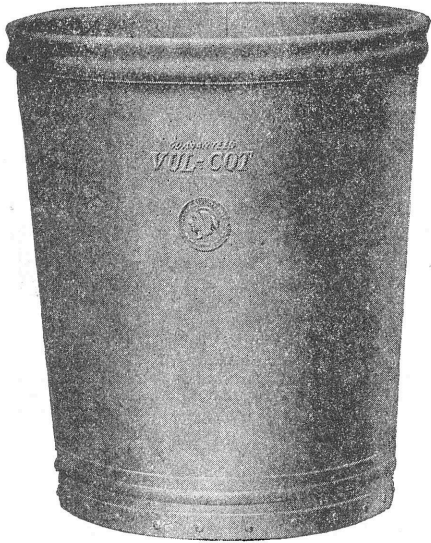
## “PHASTA” PASTE

**The Liquid Paste That's Different.**  
Is always the perfect consistency for immediate use. Sticks quicker than hard paste or mucilage, and will never dry out or harden in stock.

**Prices**  
No. 1140—Pin Sealed Tubes, each ..... .20  
No. 1139—128-oz. Crock ..... 3.75  
No. 1134—16 oz. Jar, with Screw Cap..... .85  
No. 1133—32-oz. Jar, with Screw Cap..... 1.40

“QUALITY FIRST”

**WASTE BASKETS**



**"Vul-Cot" No. 2**

The best School Waste Basket. Strong, light, serviceable, almost wear proof. No projections to catch clothing or mar furniture or walls.

Price ..... \$2.50

**No. 72—Double Wire Basket**

1 1/4-in. Mesh. Smooth Ring.

Price ..... \$1.50

**No. 72—Coppered Ring**

Has a coppered ring around centre to strengthen it.

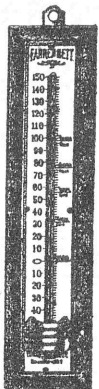
Price ..... \$1.50



**SINGLE WIRE WASTE BASKETS**

Best quality Silver finished Wire.

Price ..... \$1.00

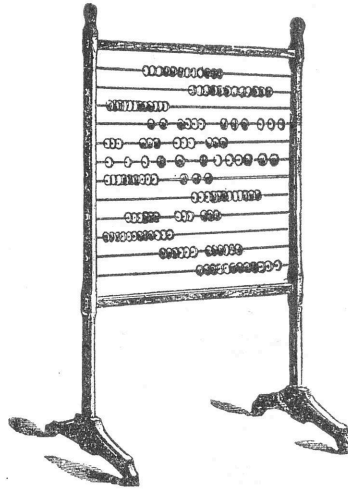


**THERMOMETERS**

A very fine accurately registering Spirit Thermometer. Specially adapted for School use.

Price ..... .75c

**NUMERAL FRAMES**



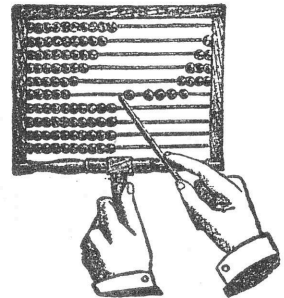
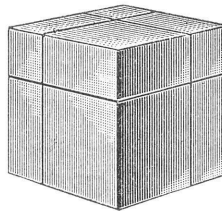
**High Stand  
144 Ball**

Can be seen from all parts of the room.

Price \$8.50

**Hand Numeral Frame**

144 Ball Size...\$1.50



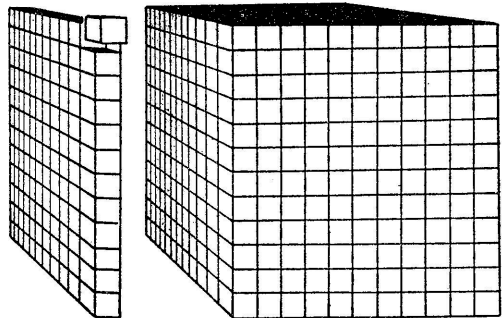
**CUBE ROOT BLOCKS**

Made of carefully selected hardwood.

Solid Cube in this Set is 2 inches square with the completed cube 3 inches.

Price ..... .20

**SQUARE AND CUBIC MEASURE**



\* A 12-inch Cube accurately marked for teaching Square and Cubic Measure.

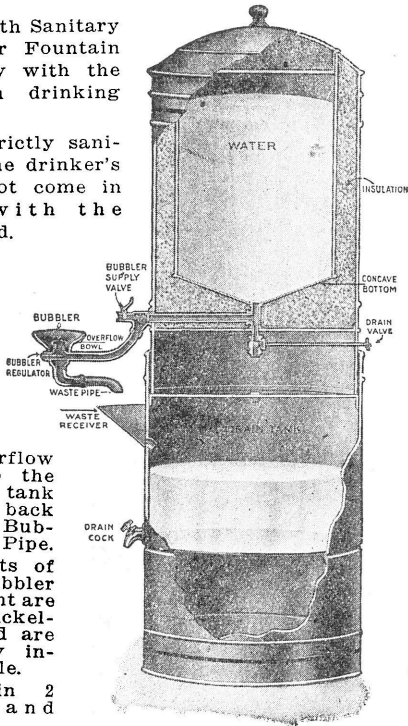
Price ..... \$3.00

**PRICES DO NOT INCLUDE CARRYING CHARGES**

### SMITH SANITARY BUBBLER FOUNTAIN

The Smith Sanitary Bubbler Fountain does away with the common drinking cup.

It is strictly sanitary as the drinker's lips cannot come in contact with the metal feed.



All overflow runs into the drainage tank and not back into the Bubbler Feed Pipe.

All parts of the Bubbler Attachment are heavily nickel-plated and are practically indestructible.

Made in 2 Sizes—9 and 18 Gallon.

Capacity .....	9 gal.	18 gal.
Height from Floor .....	55 in.	59 in.
Outside Diameter .....	14 in.	18 in.
Inside Diameter .....	11 in.	15 in.
Price—9 Gallon .....	\$43.50	
18 Gallon .....	53.00	

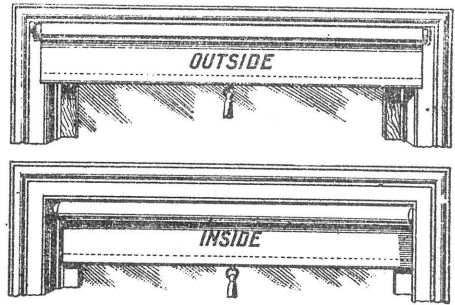
(The 9 gallon size is recommended for Rural Town or Village School.)



### WATER COOLER

3 Gallon. Heavy Insulation to keep water cool. Covered. Beautifully enameled. With Tap—  
Price each \$9.40

### WINDOW SHADES



Our Window Shades are made of No. 1 Quality Cloth "Green or Cream or Green on one side and Cream on the other" and are very durable.

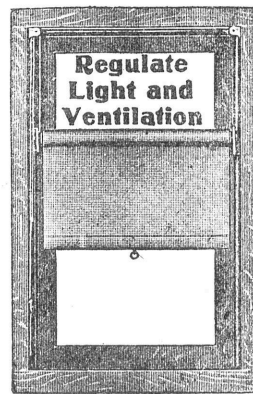
When ordering be sure to state the exact width and length of cloth allowing one foot in length greater than the window frame. Rollers will be 1-in. longer than width of cloth.

State also whether shades are to hang inside or outside the sash. Outside shades are advisable. Be sure to state Color.

Prices charged will be current market prices on date of shipment.

**IMPORTANT**—As all our shades are made to your order we can not accept any returns.

### WINDOW SHADE ADJUSTERS



are for Lowering and Raising the Shade Roller to any part of window, placing Light and Ventilation under perfect control. The Light as you want it—the Shade where you want it.

Used in connection with ordinary Blinds.

Each set consists of pair of Brackets, Cord, Cord Holder and two strips of Moulding.

In ordering, state whether your Blinds are inside next the window or outside on the casing.

Price per set as listed above.....\$2.00

This Price does not include the Blind.

WE SELL FROM COAST TO COAST



# Imperial Cleaner—For Paint Renovating

A commodity which saves you painters' bills means money and labor saved—inconvenience and delay eliminated.

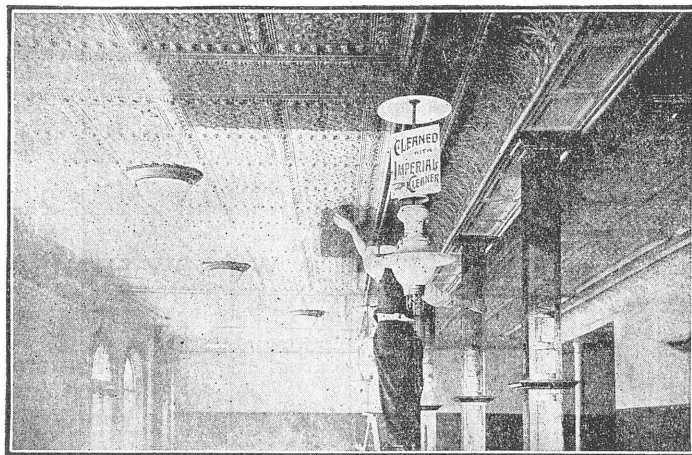
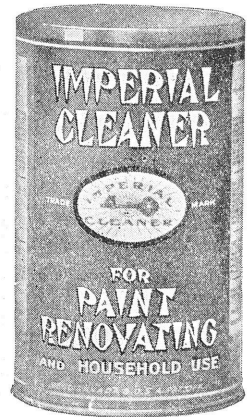
Wherever modern standards of real cleanliness prevail Imperial Cleaner for painted surfaces and other uses admits no equal. It is prepared instantly by adding to cold or warm water—easily applied as per simple directions on the can, will not injure your hands, will not deteriorate.

Cleans and renovates, **DESKS, BENCHES, CHAIRS, PEWS AND ALTARS—PAINTED SURFACES, ENAMEL WOODWORK, METAL CEILINGS, BURLAP, GOLD-LEAF AND ALL DECORATION.**

For first-hand facts, get the goods, give it a thorough trial, demonstrate to yourself its real and true merit and see how it has been worth while.

To be without it is to miss more than you may realize—**Order today.**

Per Package ..... \$0.35



The Cleaned Part is Just Like New

## RENUOL

(PRONOUNCED RE-NEW-ALL)

Cleans and Restores the Finish of all Varnished Surfaces. Use it on Floors, Woodwork, Furniture, Pianos, Phonographs, etc. Fine for Automobiles. It will make Your Old Car look like New. Makes Dusting Easy and Effective.

When using Renuol on floors, tables or other large horizontal surfaces much time may be saved by pouring the polish directly on the surface and then spreading evenly with the cheese cloth. For polishing floors this method should always be used to avoid the mop absorbing too large an amount of Renuol. Our patent pour regulator on sizes from 8 ozs. to 32 ozs. makes this method of application possible.

**FOR OIL OR DUST MOP**—Shake bottle and pour Renuol freely on any oil or dust mop or directly on the floor and use in the usual way to clean and polish your floors.

**FOR AUTOMOBILES**—Renuol should be applied either with cheese cloth or a spray gun and then rubbed dry with clean dry cheese cloth. If a spray gun is used keep contents well shaken while using. Use it on your leather seat cushions and top. Do not apply when car is standing in sun.

**FOR DUSTING**—The use of soap, water or a dry cloth in dusting will in time destroy the finish of varnished surfaces. A few drops of Renuol on your dust cloth will remove stains and dust and renew the finish of your furniture at the same time.

To operate pour regulator on sizes from 8 ozs. to 32 ozs.; turn black top metal ring left to open—right to close. The flow may be controlled by placing finger on air-vent.

Per bottle, 8 ozs..... 45c      16 ozs..... 75c



IT PAYS TO THOROUGHLY CLEAN UP, REGULARLY

The disinfecting of every school room will be more efficient and complete if you use

# IZAL

The Modern High-Power Germicide.  
IZAL DISINFECTANT FLUID

is used in Schools all over Great Britain and Canada for washing and disinfecting Class Rooms. Floors Cupboards, and Cloak Rooms. It is being

### Used and Endorsed by

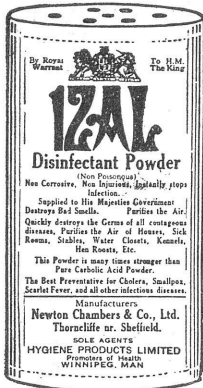
The Provincial Boards of Health of Manitoba, Saskatchewan, Alberta, and British Columbia.

The Winnipeg Board of Health;

The Brandon Board of Health;

The Winnipeg School Board.

- 1 Pint ..... \$ .95
- 1 Quart ..... 1.90
- 1/2 Gallon ..... 2.85
- 1 Gallon ..... 4.90



### IZAL POWDER

Should be used in Pit Closets, Garbage Cans and other Receptacles where refuse is contained. It is so much more effective and cheaper than Chloride of Lime.

Full directions for use on every package.

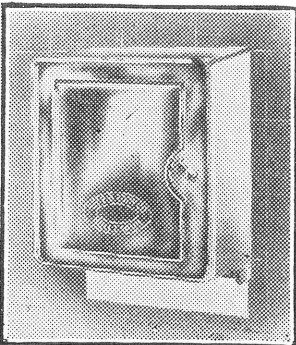
- 1/2 doz. Sifters ..... \$1.25
- 1 doz. Sifters ..... 2.40

### ONLIWON TOILET PAPER

- Per Package ..... .20
- Carton of 8 pkgs. .... \$1.50
- Carton of 16 pkgs. .... \$3.00
- Case of 100 pkgs. .... \$18.50
- Oliwon Toilet Paper Fixture ..... \$1.60

### OVAL AND ROUND TOILET PAPER

- 5 OZ. ROLLS
- 12 Rolls for.. \$1.10
- Case of 100 Rolls ..... \$8.75
- Oval Holder ..... .60
- Round Holder ..... .25



### SANITARY TOWELS



Every child should have a clean sanitary towel.

The common towel collects germs and helps to spread disease.

It is conceded that the use of linen towels in schools is a menace to health.

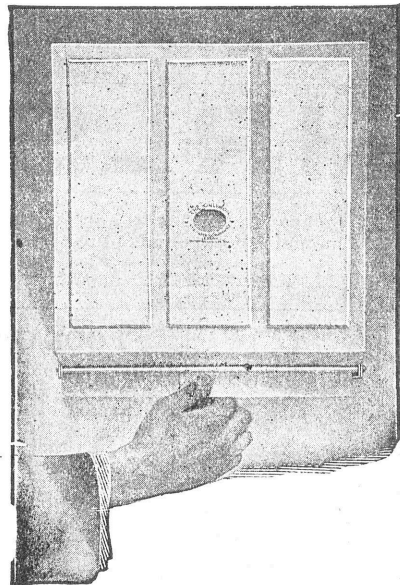
Our system solves the problem of the unsanitary towel by providing a perfectly clean, fresh towel for every pupil.

Sanitary Towels are supplied in rolls.

- One Roll and One Holder ..... \$1.25
- Five Rolls and One Holder ..... 3.50
- Separate Rolls ..... .60
- Each Roll holds 150 Towels.
- Size of Towel, 11 1/2 x 18 inches.

Case of 25 Rolls ..... 10.00

### FOLDED TOWELS



"Oliwon" are folded flat and contained in an attractive White Enameled Cabinet. They are interfolded to allow one towel to be taken out at a time, each towel removed bringing the next into place.

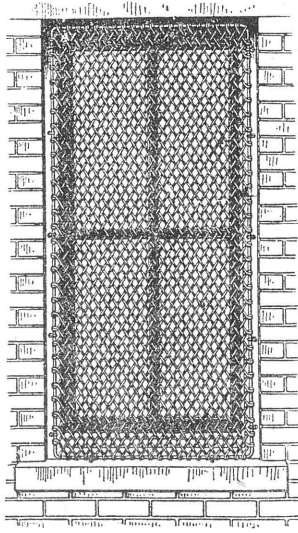
#### PRICES

- "Oliwon" Cabinets, Each ..... \$3.75
- Package of 150 Towels ..... .50
- Dozen Packages ..... 5.50
- Case, 25 Packages ..... 11.25

**DESTROY GERMS—USE DISINFECTANT AND INDIVIDUAL TOWELS**

# Wire Window Guards

## For Permanent Protection



Avoid damage by accident or otherwise. No repairs, no broken windows. Prevents tramps and other undesirable persons from entering building through windows. Made to Order. Any size and shape to fit the window.

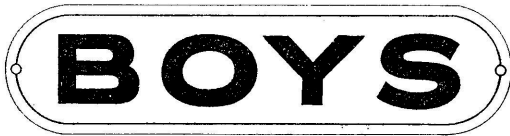
Round Iron Frame 3/8" Diameter Galvanized Wire No. 12 with 1 1/4" Mesh, painted any color.

Window Guard may either go on outside of Frame or inside of jamb as may be desired. We recommend the former method with a lap of about one inch on all sides which means that the Guards should be 2 inches wider and 2 inches higher than the size of opening.

In every case the measurements received by us will be taken to mean the extreme outside dimensions the Guards are to be.

Price, 50c per square foot.

### ENAMELED SIGNS



Size 10 inches by 2 1/2 inches.

White Enamel background, blue letters and outline.



Size 10 inches by 2 1/2 inches.

White Enamel background, blue letters and outline.

Price, each ..... \$1.00

### FLOOR OIL

To Keep Dust Down

- 1 Gallon Boxed, as per cut, each **\$1.90**
- 1 Four Gallon, Boxed Can .....**\$6.00**
- 1 Gallon in Plain Can .....**\$1.75**
- 4 Gallons in Plain Can .....**\$5.60**



### FLOOR OILER

Price, each .....\$3.35

Extra Felts, each ..... 1.00

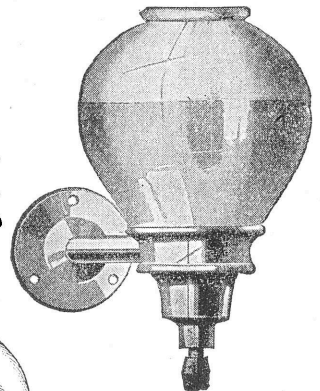


### LIQUID SOAP AND CONTAINERS

#### Peer Type Container

Simple, Fool-proof, and Strong.

Price, .....\$3.50



#### Tilting Type

Price .....\$5.00

### HALL'S DISPENSER

### MOYER'S BEAVER BRAND PURE LIQUID SOAP

The Purest Soap in most Convenient Form made from Potash and Pure Vegetable Oils. Absolutely neutral and harmless to the skin. Put up in convenient containers at reasonable prices as follows:—

- 1 Quart Tins, each ..... **\$0.95**
- 1/2 Gallon Tins, each ..... **1.60**
- 1 Gallon Tins, each ..... **2.65**

KEEP DOWN THE DUST

# FIRE EXTINGUISHERS

## THE "Absolute" FIRE EXTINGUISHER

Established 1905.

These "ABSOLUTE" Fire Extinguishers do not deteriorate through age, having been used on fires successfully after they had been hanging on walls for over twelve years. There is no danger of poisons or gases from their use nor of injuries to the person through explosion as with some kinds of Extinguishers. They will not injure the most delicate fabrics. The "ABSOLUTE" will remain good for a lifetime. You may never have a fire but you are liable any time to be visited with this calamity. Of the many thousands of the "Absolute" manufactured and used we have never had a complaint. For chimney fires the "Absolute" stands alone.

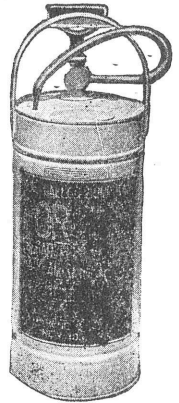
We have testimonials from scores of people and firms, who have put out fires with the "Absolute" in houses, blocks, autos, etc.

The Greater Winnipeg Mutual Fire Insurance Co. will make a reduction of 5 per cent. in its rates where the "Absolute" is used.

Price, ..... \$4.75



This five gallon Pump Tank made by the Pyrene Manufacturing Co., is especially adapted for use in unheated buildings or outdoors but is equally efficient protection in all large buildings, warehouses, etc., heated or unheated. Where there is danger of freezing Pyrene Freeze-Proof is used. The Pump Tank is extremely simple—fill it and pump; its five gallon capacity is ample to extinguish a good sized fire. The double acting pump throws a powerful, steady stream approximately 50 feet. The force of this stream will beat its way through the flames and soak the burning material. This increases the fire fighting efficiency of the Pump Tank. The supply of water or non-freezing solution can be quickly renewed during operation eliminating delay in recharging.



### SPECIFICATIONS

Weight of Pump Tank empty—13 lbs.  
 Weight of Pump Tank Filled—52½ lbs.  
 Diameter—9½ inches.  
 Height over all—27¼ inches.  
 Length of Hose—2 feet.  
 Internal diameter of hose—¾ inch.  
 Nozzle outlet.—⅝ inch.

Construction of tank—24 U. S. Gauge Galvanized iron, coated with asphaltum to resist corrosion, painted red on outside with attractive instruction plate.

Price ..... \$20.00  
 Pyrene Freeze-Proof, 20 lbs. for ..... 2.00

## "PYRENE" FIRE EXTINGUISHER



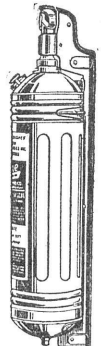
This is something that every school should have. The container is a double action Pump and can be used by any lady school teacher or youngest pupil.

It puts out any kind of fire, whether from gasoline, oils, chemicals, etc.

**A "Pyrene" will not freeze.**

Lives and property very often could be saved by having a "Pyrene" handy when the fire breaks out.

Price, Complete ..... \$12.00  
 Chemical cans also be supplied for re-filling without buying new Extinguisher.



## MOYER'S SAFETY FIRST AID KITS

"First Aid" work should be taught in every School. It may mean untold benefit to some one in the District.

Accidents at school, at home, on the farm, are of frequent occurrence. The right thing done at the right time may easily prevent serious results.

Burns, scalds, cuts, sprains, fractures, etc. should have immediate attention before a doctor can arrive.

Let the boys and girls learn this at school.

Put our "Safety First" Aid Kit in your School. It will be the best investment you ever made.



- 1 Bottle Alcoholic Sol Iodine
- 1 Bottle Boracic Acid
- 1 Bottle Aromatic Spirits Am.
- 1 Bottle Castor Oil
- 1 Jar Burn Ointment
- 1 Z.O. Adhesive Plaster
- 1 Roll Metal Sprint Bandages
- 1 Glass Vial
- 1 Eye Dropper

- 1 Test Tube
- 6 Wooden Splints
- 1 Pair Tweezers
- 1 Pair Scissors
- 8 Pkgs. Plain Gauze
- 6 Pkgs. Absorbent Cotton
- 4 Wooden Applicators wound with Cotton

- 1 Book "First Aid to the Injured."
- 2 Pkgs. Gauze Bandages, 3-in. by 5 yards.
- 4 Pkgs. Gauze Bandages, 2-in. by 5 yards.
- 6 Pkgs. Gauze Bandages, 1-in. by 5 yards.
- Price ..... \$9.50

SAFETY FIRST



### DE LUXE STANDARD SCALES

**With Improved Measuring Device**

An excellent scale of compact design and sturdy construction that assures absolute accuracy and durability. The simplicity of its mechanism, absence of loose weights to tempt youngster hands, and the minimum amount of floor space which it requires, makes the DE LUXE STANDARD an ideal scale for the weighing of children and adults.

Attractively finished in our permanent heavy enamel—in silver gray color. Highly nickeled beam, poises and measuring device.

A self-locking balance ball makes it impossible for children to throw the scale out of balance; each DE LUXE Scale is tested for accuracy from every point on the platform; our lock-lever system permits no part to get out of adjustment when the scale is moved about, and the DE LUXE covers a minimum of floor space.

Our measuring device (an exclusive departure) will instantly and accurately measure the tallest adult or the smallest child.

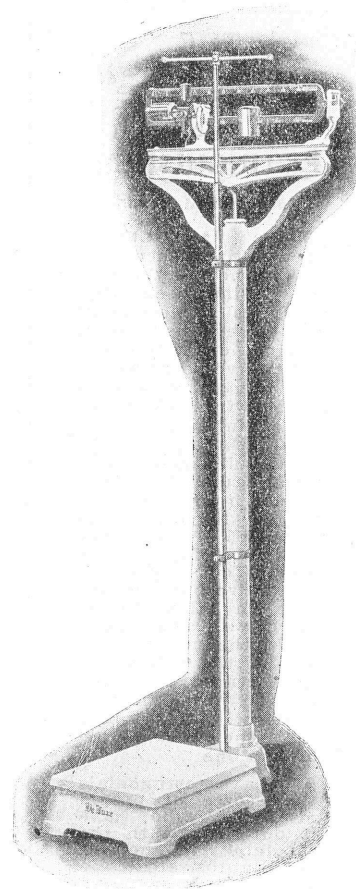
Thousands of the DE LUXE are in use wherever health is considered; fills a definite need in schools, hospitals, the home, etc., to perfection.

Beam Capacity, 300 lbs. x ¼ lbs.

Platform Size, 11 x 14 in.

Measuring Device, 2 ft. 6 in. to 6 ft. 6 in. by ¼ inches.

No 103 With measuring device...\$59.00



## NURSES' SUPPLIES AND EQUIPMENT

1 Office Desk (See page 16 and 17 for cuts and description) .....	
1 Office Table (See Page 17 for cut and description) .....	
1 De Luxe Standard Scale with measuring Rod, (See above cut and description) .....	<b>59.00</b>
1 Cupboard for Supplies No. 2 (See Page 18 for cut and description) .....	
1 Couch No. 250, Solid Oak, Fumed Finish, upholstered in Brown Fabrikoid Leather .....	<b>40.00</b>
2 Chairs No. 37 (See Page 15 for cut) .....	
1 One Drawer Oak Card Cabinet No. 461, for 4x6 Cards with one Index .....	<b>9.00</b>
1 Two Drawer Oak Card Cabinet No. 462, for 4x6 Cards, with one index.....	<b>11.50</b>
1 Moyer's First Aid Kit, (See cut and description on Page 43) .....	<b>9.50</b>
1 White Enamel Pitcher, No 15.....	<b>2.20</b>
2 White Enamel Wash Basins, No. 32 @ \$1.00 .....	<b>2.00</b>
1 White Enamel Pail, No. 110.....	<b>2.45</b>

Absorbent Cotton, 2 oz. pkgs. ....	<b>.25</b>
Absorbent Gauze, 2oz. pkg. ....	<b>.35</b>
Cotton Bandages, 1 inch .....	<b>.15</b>
Gauze Bandages, 2 inches .....	<b>.20</b>
Gauge Bandages, 3 inches .....	<b>.35</b>
Adhesive Plaster, package 1-in x 1 yard	<b>.25</b>
1 oz. Collodion Flex. ....	<b>.25</b>
1 4 oz. Bottle Hydrogen Peroxide .....	<b>.25</b>
1 2 oz. Bottle Tincture Iodine .....	<b>.30</b>
1 4 oz. Bottle Castor Oil .....	<b>.30</b>
1 Measuring Glass .....	<b>.30</b>
1 Eye Dropper .....	<b>.10</b>
1 2 oz. bottle Spirits Ammonia .....	<b>.25</b>
1 Tube Boracic Ointment .....	<b>.30</b>
1 Pkg. Boracic Acid, 4 oz. ....	<b>.15</b>
1 4 oz. bottle Lysol .....	<b>.40</b>
4 oz. Green Soap .....	<b>.30</b>
1 oz. Oil Cloves .....	<b>.60</b>
Triangular Bandage, each bandage .....	<b>.35</b>
Applicators, each package .....	<b>.25</b>
Surgical Scissors, per pair .....	<b>1.10</b>
Medium Dressing Forceps, per pair.....	<b>1.10</b>
Small Instrument Dish, white enamel, 8 inch each .....	<b>1.25</b>

**YOUR NURSE CANNOT DO HER BEST WITHOUT SUITABLE EQUIPMENT.**

# DRAWING MODELS

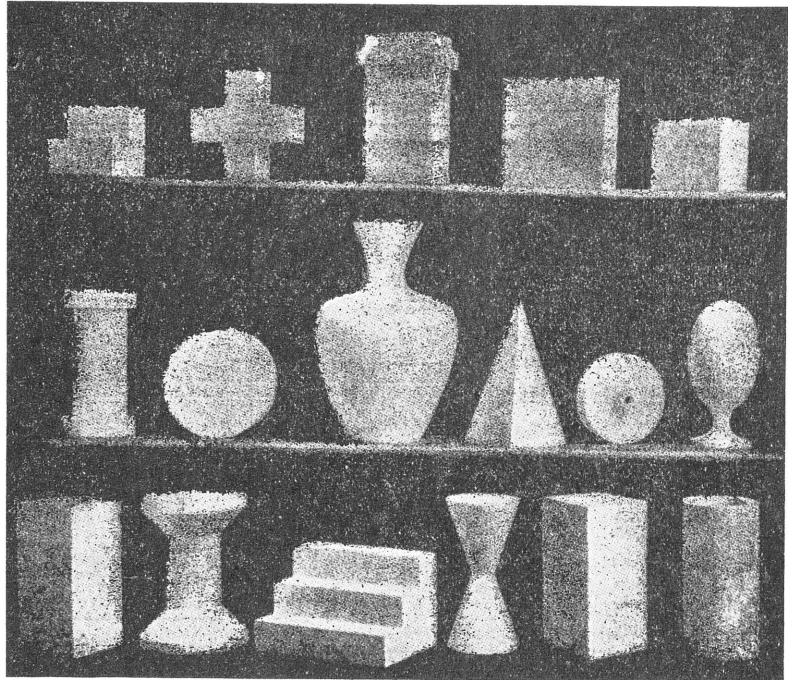
## Set No. 1— 19 Models

Sizes 4, 6, and 8-in.  
Cube, Square, Plinth,  
Oblong Block, Square  
Prism, Cir. Plinth, Cubical  
Steps, Flight Steps,  
Cross, Double Cone,  
Hollow Cylinder, Hollow  
Flanged Cylinder, Chim-  
ney Model, Egg and Egg  
Cup, Spool, Square Py-  
ramid, Frame A, Frame  
B, Bracket Model, Vase.  
Complete in Hinged  
box ..... \$33.00

## Set No. 2— 13 Models

Sizes 4x8 in.  
Cylinder, Cube, Cone  
Sphere, Vase, Hemis-  
phere, Square Prism  
Rt. Ang. Triangular  
Prism, Equ-Triangular  
Prism, Square Pyramid,  
Equ-Triangular Pyram-  
id, Ovoid, Ellipsoid.  
Complete in Wooden  
Box ..... \$18.00

The Best School Set.

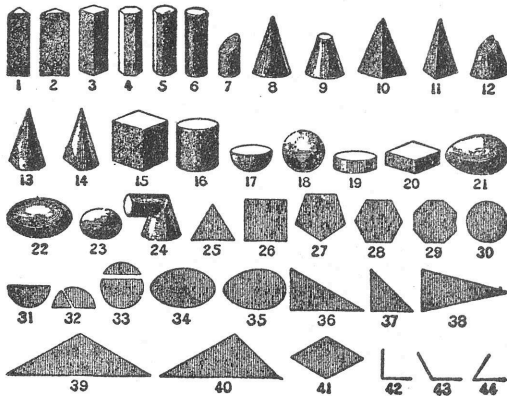


## Set No. 3—9 Large Models

Sizes 6-in. and 6 x 12-in.

Cone, Cube, Cylinder, Hexagonal Prism,  
Square Prism, Hexagonal Pyramid, Square  
Pyramid, Round Plinth, Square Plinth.  
Complete in Box—Sliding Cover.....\$35.00

## Set No. 4—44 Pieces "MOYER'S SPECIAL SET"



Solids, Surfaces, and Angles in this set are  
exceptionally well made and well finished. Very  
convenient for Arithmetic, Drawing or Geo-  
metry.

Put up in Handsome Cherry Finished Box.  
Per set, Complete ..... \$4.00

## Set No. 5—9 Large Models

Sizes 12-in. and 8 x 12-in.

Cube, Square Prism, Square Pyramid, Hexa-  
gonal Prism, Square Plinth (Preceding 5 models  
Skeleton Form), Sphere, 12-in.; Cylinder, 8 x 12  
in.; Cone, 8 x 12-in.; Circular Plinth, 8 x 12 in.  
(Last 4 models solid.)

This is a very fine set, made of selected  
wood and painted dull white.

Price, Complete ..... \$35.00

## PICTURES

### King George V.—Queen Mary

This pair of pictures is very suit-  
able for any School room. They are  
excellent reproductions and are beauti-  
fully framed, with glass.

Per Pair ..... \$10.00

IF IT'S SCHOOL EQUIPMENT—WE HAVE IT

# Enamelware and Hardware



## WATER PAIL 10 Quart Size

Best White Enamel-  
ed or Imperial En-  
ameled.

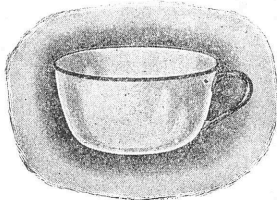
No. 110  
Each  
Imperial Grey .. \$1.40  
White Enamel .. 1.85

**COAL HOD**  
Large Size  
Heavy Japanned  
Metal  
Price, each .....\$1.00  
Heavy Galvanized  
Iron  
Price, each ..... 1.25

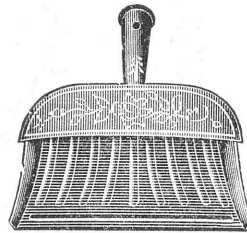


## ENAMELED DRINKING CUP No. 10 Good Size

Scotch Grey—  
Each ..... .25  
Per doz. .... 2.75  
White Enameled  
Each ..... .35  
Per doz. .... 4.00



CUP HOOKS, Brass, No. 412, 1-in. per doz..... 40c



## A Very Fine Japanned Covered Dust Pan

Most suitable for  
schools.  
Price, each ..... 40c



## WASH BASIN

14 inch—Best Imperial Enameled, each..... 65c  
14 inch—White Enameled, each ..... 90c

## SOAP DISH

Each school should have  
two.

Grey Enameled, each 35c



PURE CASTILE SOAP. Per cake..... 5c  
Per dozen cakes ..... 50c

## SCHOOL BROOMS

We can supply a High Grade Broom made  
from the best Broom Corn and securely tied.

PRICE, each ..... \$1.10

## SCHOOL HAMMER NOT A TOY

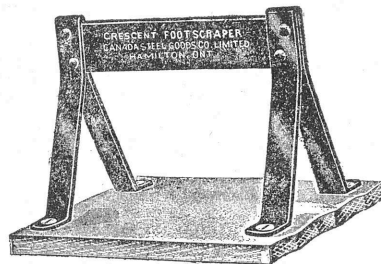


No. 21S—Hammer, each .....\$1.25

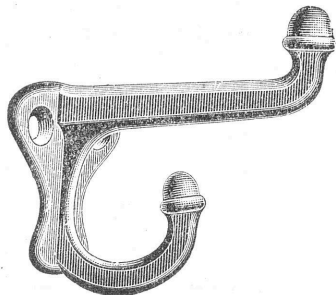
## SCREW DRIVER VERY HANDY

8 inches long. Each ..... 60c

## FOOT SCRAPER



Very Strong. Each ..... 60c



## COAT AND HAT HOOKS

Wire, Copper  
finish, 3in.  
Per doz. .... .35  
4 doz. for .. 1.20  
Iron, No. 21,  
3 in.  
Per doz. ....\$1.00  
4 doz. for... 3.50

FIRST IN QUALITY AND SERVICE

## Athletic Goods

Football is rapidly coming into favor as the most popular school sport. This is due to the fact that the equipment is not expensive and also much pleasure and physical benefit may be had by few or many players.

We have recently arranged for the distribution of a line of famous English Footballs and Basket Balls that are in use in practically every part of the British Empire where football is played.

These Balls are manufactured especially for us in England. Only the very finest quality of cowhide is used in the cases and they are fully guaranteed to retain their shape in all climates.

The bladders are made by a special process which renders them more serviceable under hard usage than ordinary rubber bladders. They are made of special football rubber.

### MOYER'S "OFFICIAL" FOOTBALL Globe Non-Tear No. 206A5



**Official**—In this football the highest mark of perfection in football manufacture has been reached. Every ball is handsewn and only the very finest English super-quality cowhide and specially prepared football rubber are used.

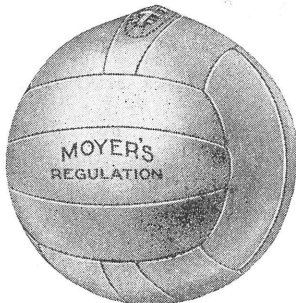
This is a twelve panel pattern with patent non-tear opening. It is the

official football for international matches. Standard size and fully guaranteed Made in England.

No. 206A5—  
Official Football, complete, postpaid..... \$7.00  
Extra Bladders, Finest Football Rubber, postpaid ..... 1.00

### MOYER'S "REGULATION" FOOTBALL Cliff No. 207B5

**Regulation**— This is an 18 panel football, having opening in centre of panel rather than in the seam. Regulation size, handsewn, high grade English cowhide and best quality football rubber bladder. The ball for school match play. Made in England.



No. 207B5—  
Regulation Football, complete, postpaid \$6.50  
Extra Bladders ..... 1.00

### MOYER'S "SPECIAL" National No. 205D5



Moyer's "Special"

**Special and Junior**—Two eight panel balls. Good quality cowhide, handsewn. The "Special" is a full size ball, very suitable for small schools.

**Moyer's Special**—  
Complete, postpaid ..... \$4.35

Extra bladders, postpaid .... \$1.00

### MOYER'S "JUNIOR" National No. 205D3

The "Junior" is a smaller ball for beginners and smaller children or for home use. The same quality bladders as used in our "Official" and "Regulation" Balls. Made in England.

**Moyer's Junior**—  
Complete, postpaid ..... \$3.75  
Extra bladders, postpaid .... .85c

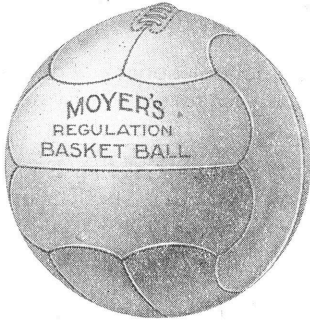


Moyer's "Junior"

For Up-To-Date  
PLAYGROUND EQUIPMENT  
SEE Pages 51, 52 and 53.  
MADE IN CANADA

GOOD RECREATION AIDS STRENGTH OF MIND AND BODY

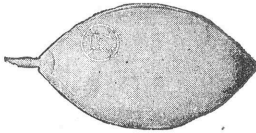




**MOYER'S "REGULATION" BASKET BALL No. 12**

Our "Regulation" (Globe No. 234B) Basket Ball is a 12 panel ball, made of high grade English cowhide, hand sewn, regulation size. Made in England in the same factory, as our foot-balls. This ball will give excellent service and retain its shape till worn out. Fully guaranteed. It is not only the best but also the cheapest basket ball on the market.

"Regulation" Basket Ball, complete No. 234B—Postpaid.....\$7.25  
 Extra Bladders for Basketballs. Each postpaid..... 1.25

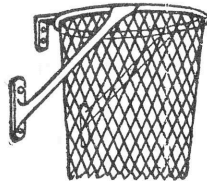


Best Grade Rubber Foot Ball Bladders.

No. 5—Each .....\$1.00  
 No. 3—Each ..... .85

**BASKET BALL GOALS**

No. 6 Made of wrought Iron extra strong braces, 6-inch extension. Per pair \$10.00



**BASKET BALL SUNDRIES**

No. OH. Bladder Each.....\$1.25  
 Basket Ball Goal Nets. Per Pair .....\$1.25  
 Basket Ball Score Book, Each .....\$1.00  
 Basket Ball Guide Book, Each.....\$0.25

**TENNIS BALLS**

The New Reach Tennis Ball is made in 2 pieces and inflated without the use of a plug as used in The Old Style 4-piece ball. They positively stand up better and last longer than the old style.

Price, Each ..... \$0.60  
 Per Dozen ..... 7.00

**HIGH BOUNCE TOY BALL**

Made of White Rubber and Canvas. Similar in appearance to a Tennis Ball. Very lively.

Just the Ball for Boys and Girls at School, at Home or at Picnics.

Price, each ..... \$0.25  
 Per Dozen ..... 2.50

**HAND BALLS**

Climax Hand Ball. Black. Size 2 1/4 in. Solid Rubber Very lively. May be used either indoors or on the playground.

Price, each .....\$0.65



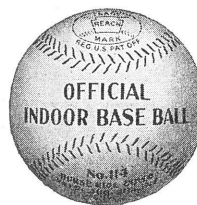
**INDOOR BASEBALLS**

Reach Indoor Base Balls are made under patent construction methods which assure durability and retention of shape.

Reach Official Indoor Base Balls. Oil Tan White Horsehide Cover.

Reach Patent Construction. (Pat. Aug. 11, 1914.)

No. 112. Official. 12-inch .....Each \$2.00  
 No. 114. Official. 14-inch .....Each 2.25



**PLAYGROUND BALLS**

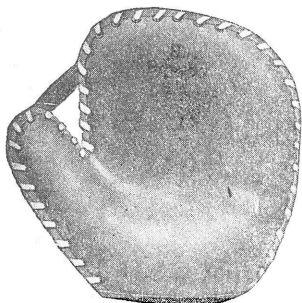
Reach Playground Base Balls are made in Official and Regulation grades. The same care as to details of materials and construction as applied to Indoor Base Balls.

Reach Official Playground Balls, White Horsehide Cover, Hand-stitched, Outseam Model. Patent construction.

No. P12. Official. 12-inch .....Each \$2.25  
 No. P14. Official. 14-inch .....Each 2.50

**OUR SPORTING GOODS ARE OF THE BEST QUALITY**

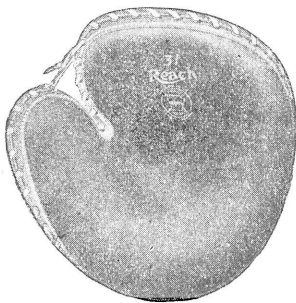
# BASEBALL MITTS AND GLOVES



No. 4S

**FIRST BASE MAN'S MITT**

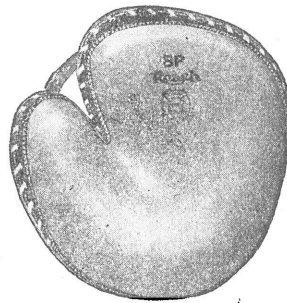
No. 4S.—“Reach Special” Brown Reaco Calfskin. One piece face. Hinge Pad. Leather. Laced. Medium padding with deep pocket.  
Each .....\$8.50



No. 31

**CATCHER'S MITT**

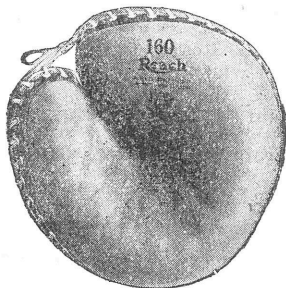
No. 31—Professional Model. Moulded Face. Made entirely of Brown Tan Leather. Good Padding, leather laced.  
Each .....\$8.00



No. BP

**CATCHER'S MITT**

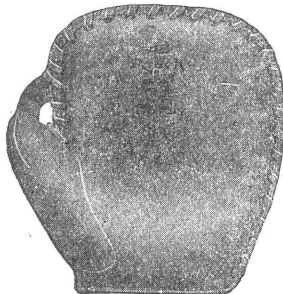
No. BP.—Made with Olive Horsehide face and fingers. Black Mitten leather back and strip. Large Model. Leather laced.  
Each .....\$6.50



New No. 150

**CATCHER'S MITT**

No. 150 Made of Wine Tan Leather with Black leather strip. Full leather laced. Wine color Binding. Well padded with deep pocket.  
Each .....\$4.00



No. 4B

**FIRST BASE MAN'S MITT**

No. 4B.—Hinge thumb Model Olive Reaco Grain Leather. Black leather binding. Leather laced. Adjusting strap on thumb.  
Each .....\$6.00



No. R

**FIRST BASE MAN'S MITT**

No. R.—Grabber Model. Made with Brown Mitten leather Face. Back and lining of brown tan leather. Full size. Leather laced.  
Each .....\$4.00

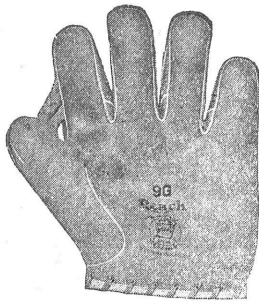
## FIELDERS' GLOVES

The Reach Line is composed of models endorsed by the leading players. The patented “Diverted Seam” prevents ripping of the seams between the fingers. The specially tanned glove leathers used in construction and the skillful arrangement of paddings and linings enable us to produce a soft pliable glove ready for use. All gloves made in rights and lefts.



New No. 02

No. 02—Selected Brown Reaco Leather. Full leather lining. Laced at wrist. Leather bound and welted. A model approved by good players everywhere.  
Each .....\$7.00



No. 9G

No. 9G—Fine Brown Tan Leather. Laced at wrist. Welted. Full leather palm lining. A very popular glove.  
Each .....\$4.50

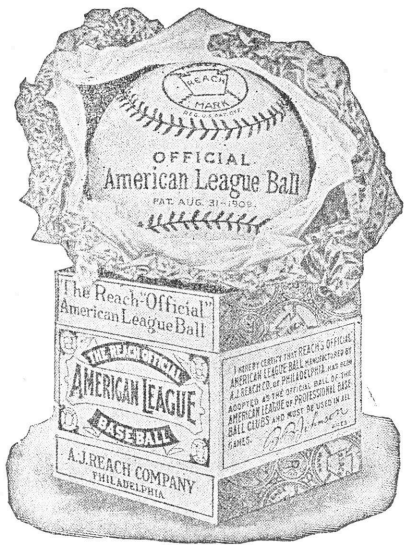


New No. 10G

No. 10G—Made of Black Tan Leather. Palm leather lined. Duplicate model of higher grade. Each .....\$2.75

ENCOURAGE HEALTHY SPORT

# BASEBALL GOODS



The Reach "Official" American League Ball

## The Cork Centre Ball

Patented August 31, 1909. Registered United States Patent Office

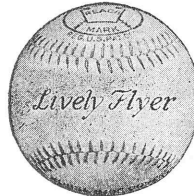
USED EXCLUSIVELY BY THE AMERICAN LEAGUE

No. 0. Official American League, each.....\$2.25

The individual quality of this Ball is so well known to the entire Base Ball World that detailed description is unnecessary. Exact conformity with official specifications makes it Official for all games. Guaranteed to last a full game of nine innings and give entire satisfaction.



**No. 4A**  
**No. 4A.** Superior League. Regulation size and weight. Carefully constructed of durable materials. Horsehide Cover. Each .....\$1.00



**No. 9X**  
**No. 9X.** Lively Flyer. Junior size and weight. Horsehide Cover. Made of good lively material. Each .....\$0.50



**No. 8**  
**No. 8.** Cock of the Walk. Regulation size. Waterproof Cover. A good practice ball. Each .....\$0.35

## BASEBALL BATS

The material from which Reach Bats are made is selected by experts who know that the quality and durability of the finest article depend upon their judgment.

Only second growth straight-grained ash is used, thus assuring extreme durability.



No. 106—"World's Series" Bat,

### FLAME BURNT FINISH-TAPED HANDLE

No. 106—Each .....\$2.50  
 No. 82—White Ash Burnt Finish, each.....\$1.25

Occasionally during the Season, the demand for a particular style of Bat is very heavy. In cases where stocks become exhausted, we will use our best judgment in making selections rather than delay our customers during a short season.

## INDOOR BATS

These are smaller in size and are intended for use with Indoor Balls and Playground Balls.

They are regulation size, weight and length.

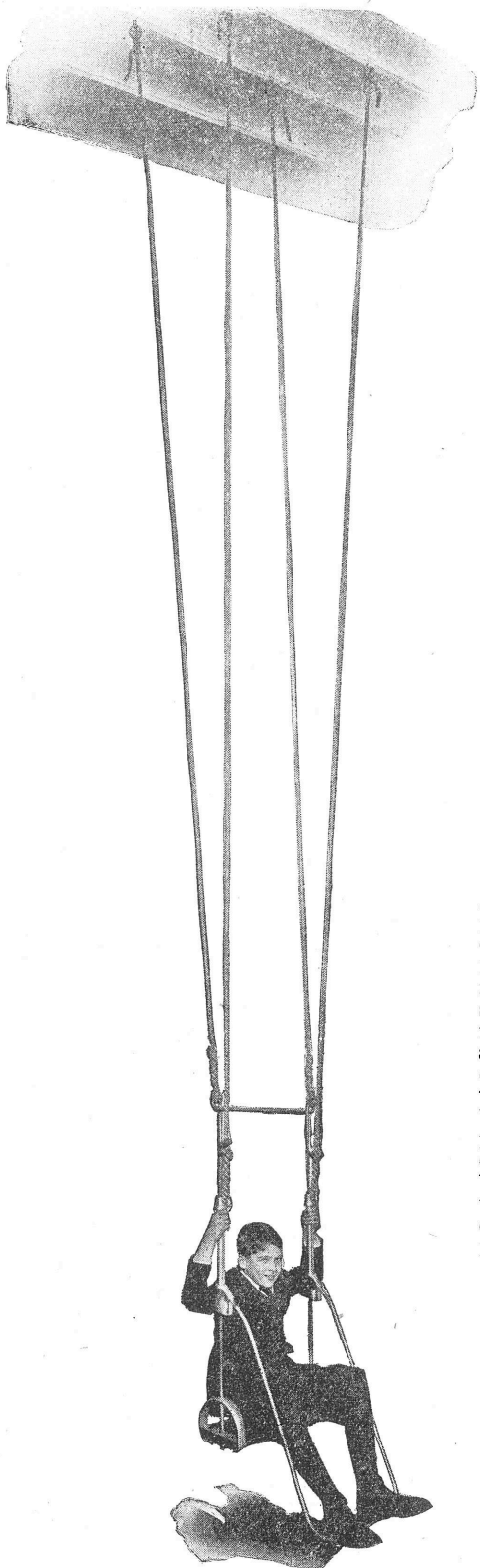


No. 0—Regulation Selected ash, burnt and burnished Taped Handle. Each.....\$1.75



No. 3—Similar to No. 0—Plain Handle .....\$1.25

WE ARE SPECIALISTS IN SCHOOL EQUIPMENT



## The Exerswing

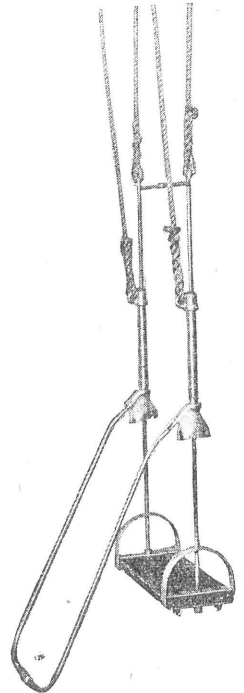
Introducing the EXERSWING. The child operating the sliding grips and the pumping foot rail is the secret of its locomotion. The children "go wild over it." No shuffling of the feet and wearing out of shoes on the ground.

### THE EXERSWING INDOORS

Mothers will not object to having the EXERSWING hung in a doorway, sun porch, playroom, basement or attic, because it is an attractive piece of furniture. It affords healthful, wholesome recreation for the children. It is fun to play indoors.

### THE EXERSWING OUT OF DOORS

The most prominent feature of EXERSWING, as its name implies, is the daily exercise encouraged while at play. The perfectly normal athletic development of the arms and legs with simultaneously measured stroke, is recognized by physical experts as the most perfect exerciser ever devised for the symmetrical development of every muscle in the body. The exhilarating, vigorous, pumping and stroking movement of the arms and legs induces deep breathing and an exuberant spirit, that stimulates the blood's circulation, and produces a glow of perfect health, life and color.



### "STANDARD" EXERSWING

Built to meet the requirements of the home. Seat-board 18 inches wide. Polished Aluminum Grips, and cold-rolled steel foot-rail adjustable to children of from three to twelve years of age. All metal parts are weather proofed. Hanging supports are of best Manilla Rope and seats of seasoned lumber painted Vermillion red. The "STANDARD" EXERSWING is tested to carry 1,500 pounds.

Price, Standard Exerswing ..... \$12.00  
 Price, Playground Special Exerswing ..... 24.00

**NO OTHER SWING LIKE THE EXERSWING**



# “Moyer” Steel School Playground Equipment

MADE IN CANADA

The Maple Leaf is waking up. She realizes that Uncle Sam is getting ahead in one great branch of School Activity, viz. The Playground

Wellington said that Waterloo was won on the playing fields of England and observers of human kind recognize the value of a healthy body as a foundation to a healthy and educated mind, just as Wellington did more than a century ago. In Canada greater attention is now given to scientific playground administration, not only in the large centres but in the small.

We have arranged to furnish a line of MOYER “CANADIAN MADE” PLAYGROUND EQUIPMENT, built like Canada is being built, solidly and well, and with the life experience behind each design that gives assurance of safety—first to the little citizens who will enjoy its use and profit by it.

## BUILT FOR WEAR AND TEAR

All the supports of Moyer Equipment are of heavy tubular steel coupled together with massive fittings and coated with olive green preservative.

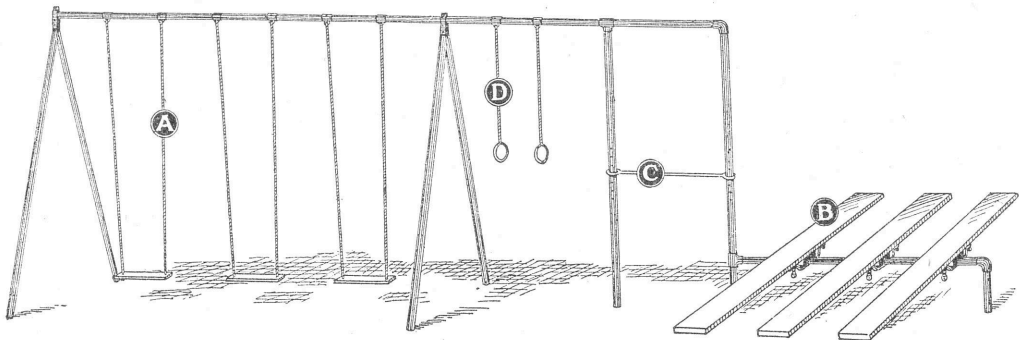
All the fittings of Moyer Equipment are rugged, noiseless and antifriction.

All the Hanging Supports of Moyer Equipment are of best manilla rope spliced by experts and of ample size.

All the Seats of Moyer Equipment are of seasoned lumber with rounded edges and hard oil finish.

All Moyer Equipment is accompanied by clear instructions as to the erection at the playground.

## STANDARD MOYER PLAYGROUND SETS



### Selections to Suit all Pockets

- (A) The Swing.
- (B) The Teeter.
- (C) The Horizontal Bar.
- (D) The Flying Rings.

For example a Set may consist of 3 A's, 3 B's, 1 C and 1 D, or 6 A's, 3 B's, 2 D's, or any other combination of these four units.

We give below some favorite selections from which to choose to guide the intending purchaser.

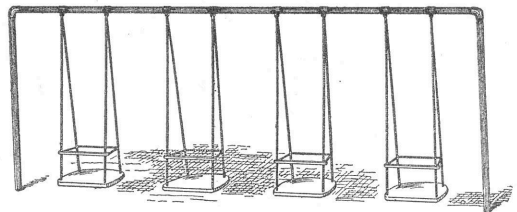
On account of the variety of conditions under which Playground Equipment is bought and used—for little schools, for big ones, by Trustees with one idea, by Trustees with another, for wealthy District and for poor ones, a large variety of Outfits is essential.

All the variety is secured by grouping on standard frames made shorter or longer—to suit the quantity of apparatus purchased, the following units in numbers of one or more:—

<b>Number 1</b> 2 Swings A 2 Teeters B 1 Horiz. Bar C 1 Fly Ring D <b>Price complete \$295.00</b>	<b>Number 2</b> 3 Swings A 2 Teeters B 1 Horiz. Bar C 1 Fly Ring D <b>Price complete \$326.00</b>
<b>Number 3</b> 4 Swings A 3 Teeters B 1 Horiz. Bar C 1 Fly Ring D <b>Price complete \$383.00</b>	<b>Number 4</b> 6 Swings A 3 Teeters B 1 Horiz. Bar C 1 Fly Ring D <b>Price complete \$448.00</b>
<b>Number 5</b> 2 Swings A 2 Teeters B 1 Horiz. Bar C <b>Price complete \$223.00</b>	<b>Number 6</b> 3 Swings A 2 Teeters B 1 Horiz. Bar C <b>Price complete \$255.00</b>

<b>Number 7</b> 4 Swings A 3 Teeters B 1 Horiz. Bar C <b>Price complete \$294.00</b>	<b>Number 8</b> 6 Swings A 3 Teeters B 1 Horiz. Bar C <b>Price complete \$375.00</b>
<b>Number 9</b> 2 Swings A 2 Teeters B <b>Price complete \$175.00</b>	<b>Number 10</b> 3 Swings A 2 Teeters B <b>Price complete \$207.00</b>
<b>Number 11</b> 4 Swings A 3 Teeters B <b>Price complete \$242.00</b>	<b>Number 12</b> 6 Swings A 3 Teeters B <b>Price, complete \$307.00</b>

## MOYER BABY SWINGS



Baby Swings are always separate from Standard Sets and should be placed in a corner of the playground away from the Apparatus for the larger children.

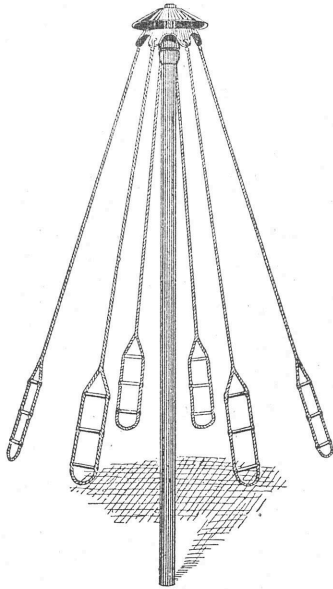
These swings can be had in sets of from two to six swings on the same frame.

All Baby Swings are 6' 6" high above grade, have heavy tubular frames, silent hangers, manilla rope supports, arm chair, hard oiled wooden seats with sliding guard rail.

Two Seat Outfit, .....	\$ 56.00
Four Seat Outfit .....	102.00
Six Seat Outfit .....	152.00

The EXERSWING puts the final touch on The EXERSWING these combinations ask for

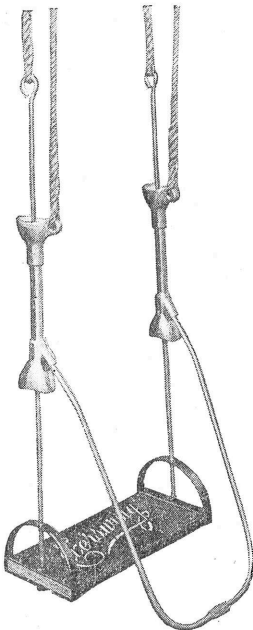
HEALTHY BODIES MAKE HEALTHY MINDS

**MOYER GIANT STRIDES**

The Giant Stride is a source of endless delight to children but they must be made very strongly to be both safe and always in working order.

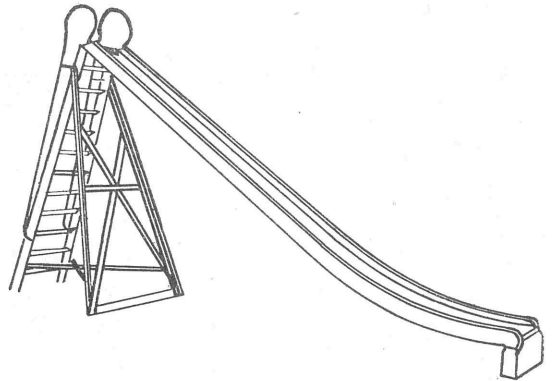
We furnish them 14' 0" high above grade with four to six ladders of stout manilla rope with hardwood rungs. The revolving head is ball bearing protected from the weather, perfectly safe and noiseless.

Giant Stride, 6 ladders, 275 lb. Wt. ....\$102.00  
Giant Stride, 4 ladders, 250 lb. Wt. .... 90.00

**"PLAYGROUND SPECIAL" EXERSWING**

Built especially to meet extreme abuse and the heavy duty required of playground equipment in the school yards, parks, summer resorts, health institutions and gymnasiums. Seat-board 20 inches wide. Strong aluminum grips, and heavy cold-rolled steel foot-rail adjustable to accommodate adults as well as children. Entire construction is built strong and durable, furnished with galvanized steel cable. The "Playground Special" EXERSWING is tested to carry 5,000 pounds.

Price Playground Special Exerswing \$24.00

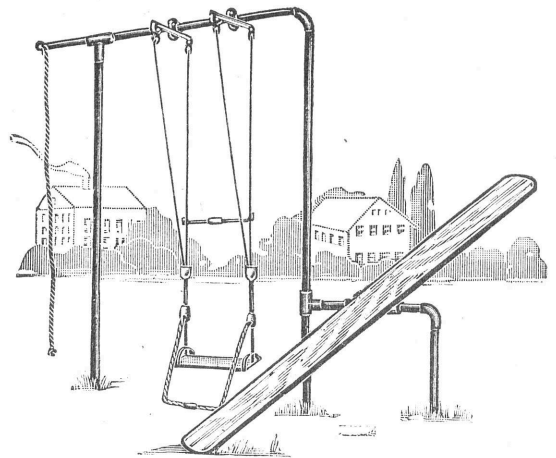
**PLAYGROUND SLIDE**

Slide is 8' high, 16' long. Sliding Board and sides are made of polished rock maple. Inclined steps easy to ascend. Steel handrail arched above the top step. Finish dark green. Shipped knockdown, erection instructions furnished. No special tools or skill required to assemble.

Approximate Weight 450 lbs.  
Price complete \$115.00

**THE EXERSWING ON THE PLAYGROUND**

The EXERSWING is the center of attraction on the playground. The exhilaration of this self-propelling swing is registered instantly on the happy faces of the children as they securely rise higher and higher. The glow of gentle, yet complete, exercise, the rush of cool air as they swiftly ride to and fro, leaves nothing to be desired, and keeps a "waiting list" where two or more are gathered for play and recreation. For it recreates as it gives real pleasure, swinging to health with a new sensation, creating a desire for more and more rides on this latest addition to Playground Equipment.



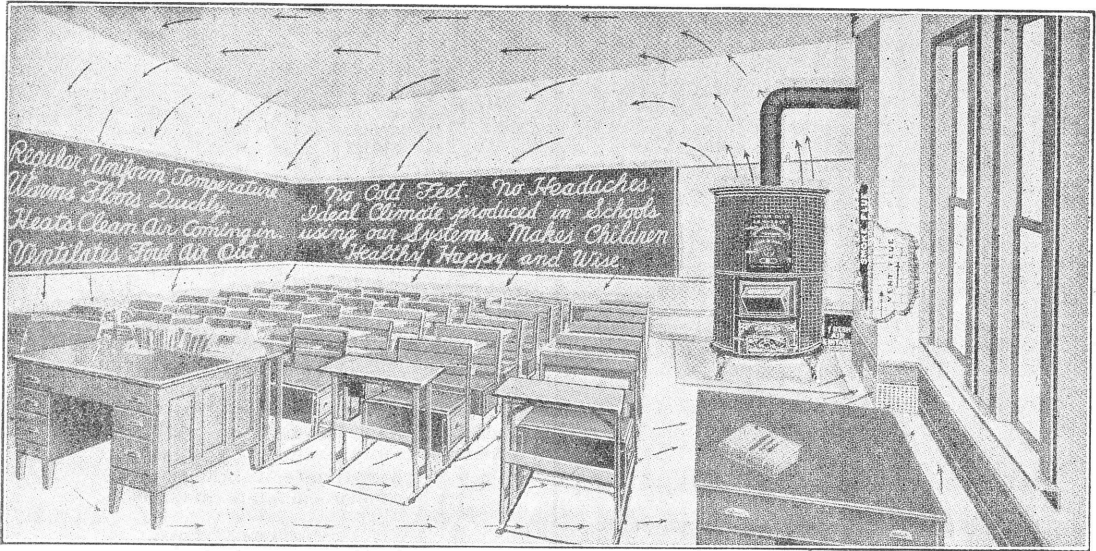
The Exerswing will prove to be the Center of Attraction in all playgrounds, and may be combined with other equipment.

Price Complete \$94.00

**THE EXERSWING ENCOURAGES EXERCISE WHILE AT PLAY**

# Moyer's "Clean Air" System

A "Clean Air System" Health Resort, Comfort and Ideal Climate



## THIS PICTURE REQUIRES THOUGHT—MERE WORDS FAIL

A photograph of a School Room using a **MOYER CLEAN AIR SYSTEM**, supplying fresh, balmy, clean air; God's most generous gift to mankind. We are just beginning to value properly its relation to better school work, to comfort, preservation of health and mental vigor, and life itself.

Not a question of money alone but your duty to the children first.

1. Warms floor and room quickly.
  2. Gives air, clean, warm and balmy.
  3. Ventilates out the cold, foul air.
  4. Gives same comfort, far and near.
  5. Means fuel economy.
  6. Is pleasing in appearance and ornamental.
  7. Saves doctor bills and janitor service.
  8. Is simple and scientifically constructed.
  9. Prevents headaches, colds, coughs, catarrh, bronchitis, pneumonia, consumption, and other foul air diseases.
  10. Gives ideal climate for health, happiness, comfort and insures first class school work.
- A **Clean Air System** is ideal, compared with a stove for school use.

### An Invitation to You—

To safeguard the children's health. It is the community's wealth. Upon the welfare of the children depends the future welfare of the nation.

### It's Up to You

**Clean Air — Warms Quickly. Heats Evenly. Insures Superior School Work and Perfect Comfort.**

**When You Consider MOYER QUALITY**

**Our Prices are Lowest**

## STANDARD Dimensions, Heating and Ventilating Power and Weights

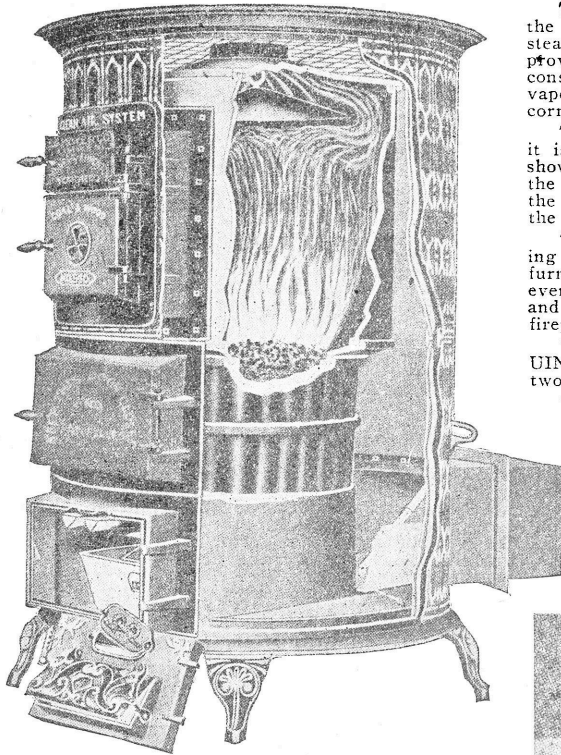
"CLEAN AIR SYSTEM" NUMBERS .....	535C	536D	540E	542F
Height of Heater, (Floor to Top) .....	63	66	66	63
Depth of Firepot .....	14	15	15	15
Diameter of Firepot, (Exact inside size).....	18	20	22	24
Diameter of fire chamber and Radiator Body, inside.....	22	26	30	36
Diameter of Heater Jacket, (Outside).....	36	40	43	48
Size of Smoke Pipe Connections.....	8	8	8	8
Size of Feed Doors .....	11 x 14	11 x 14	11 x 14	11 x 14
Standard { Heating and } Capa-   Changing 15 minutes, cu. ft.....	7,000	10,000	14,000	20,000
{ Ventilating } city   air every 7½ minutes, cu. ft.....	5,000	7,000	9,500	14,000
Computed weight of "CLEAN AIR SYSTEM" .....	800	1,000	1,200	1,400
Prices .....	\$195.00	\$205.00	\$225.00	\$250.00

**The IDEAL System for Rural Churches, Community Halls and Lodge Rooms**

Write for full particulars giving us the size and layout of your building.

**THE PROBLEM OF GOOD VENTILATION IN WINTER SOLVED**

## Moyer's "Clean Air" System of Heating and Ventilating



The heavy boiler plate used in the heater drum is extended from 3 to 7 inches away from the firepot on all sides, depending upon the size of the heater, and in this way gives twice as much radiating surface, since the burning flames and fuel do not come in close contact with the drum it will last four times as long and the joints will remain air tight, so the fire can be controlled DAY and NIGHT.

The Standard Jacket is made of heavily embossed material, which will not rust or injure, and presents a beautiful appearance.

The inside lining is made of blue steel and asbestos paper with 1-inch air space between inner and outer jacket, so that no heat can radiate through.

The cheap polished or planished steel jackets coming down to the floor are not desirable as they rust and discolor badly and radiate too much heat for comfort nearby, and are unsanitary; as you cannot sweep or clean under them. They are much cheaper, but we do not recommend them to give satisfaction.

Our increased radiating surface gives more heating power than any other heater and will therefore warm the schoolroom twice as quickly in the morning, and use less fuel through the day.

Our descriptive catalog will give you all the information you desire in detail, and convince you that STANDARD QUALITY represents the BEST IN EVERYTHING.

**QUALITY GOES IN BEFORE THE NAME MOYER GOES ON.**

The log cabin era is past, with the chinks supplying the fresh air and the fireplace carrying off the foul air. Instead we now build practically air-tight buildings and must provide an inlet and an outlet for changing air, which we constantly require. The soft balmy air is provided by our vapor pan which keeps the water boiling and supplies the correct amount of humidity, always.

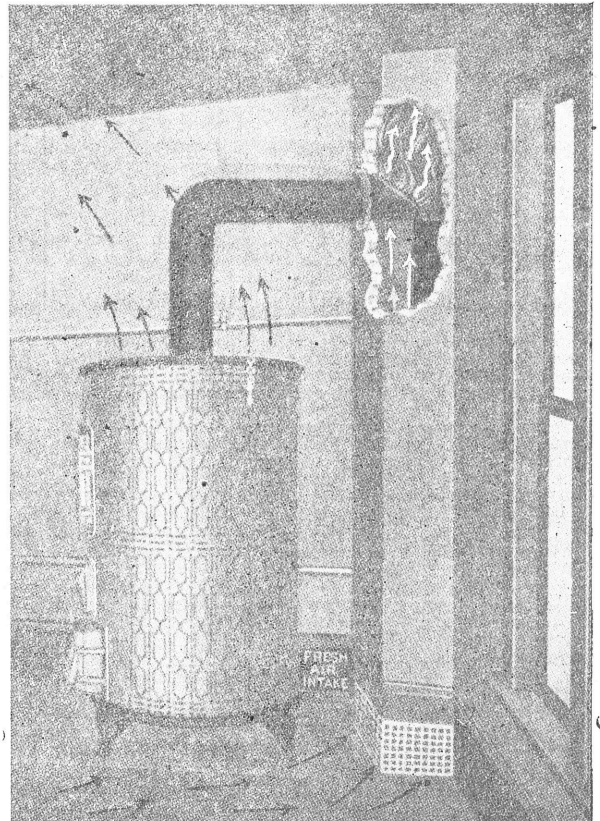
The MOYER'S CLEAN AIR SYSTEM is on legs, so that it is sanitary and can be cleaned and swept underneath, as shown on this page. The ash pit and pan is large and roomy, the inside air control doors with lever attached, show how the inside air is reheated over night or closed off during the school day and the fresh air used alternately.

The TWO-PIECE FIRE POT, showing the Non-Cracking Joint, is an extra heavy, corrugated firepot—found by furnace manufacturers to be the most durable construction ever made. The non-cracking joint allows for expansion and contraction and cannot crack or burn out, as you know firepots do in stoves and all other room heaters.

The MOYER'S CLEAN AIR SYSTEM is the only GENUINE SCHOOL ROOM FURNACE on the market having a two-piece firepot.

The grate, then the firepot, and next the body of a stove or heater gives out first. We use nothing but the very best material throughout and guarantee our grates will not burn out if the ashes are kept away, as they are fully twice as heavy as the grates in other furnaces. The FIREPOT in the MOYER'S CLEAN AIR SYSTEM is GUARANTEED for five years, which no other firm can afford to do.

**MADE ON HONOR**

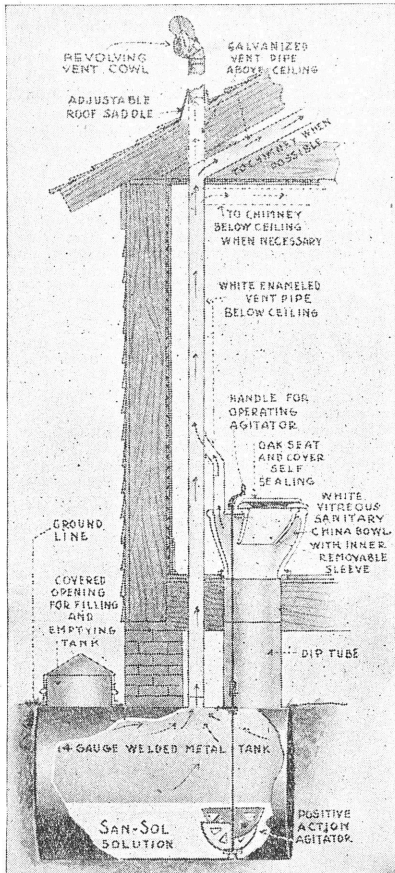


**TRUE ECONOMY IS TO BUY THE BEST**



# Waterless Sanitary Chemical Toilets

**A Complete System of Private Sewage Disposal for Waterless and Sewerless Buildings.  
Clean, Odorless, Inexpensive. Easily Installed in any Building.**



Single Bowl Ground Floor Installation.  
(Sectional View)

**The Sanitary Bowl**—The Bowl is made of the best white vitreous china, perfectly glazed and absolutely impervious to moisture.

The Inner Removable Sleeve is a special feature of our Toilets. It is so constructed as to prevent soiling of the Bowl itself, and to clear the walls of the Dip Tube, thus confining the soiling to a very limited space easily accessible for cleaning. Hence, these Toilets may be kept in perfect sanitary condition with the least possible effort.

**The Seat**—The Seat is made of heavy solid oak, semi-saddle, non-split construction, finished in golden oak.

**The Dip Tube**—The Dip Tube with Funnel connects the Bowl with the Sewage Tank. It is covered with a special preparation to prevent rusting and corrosion, making it practically everlasting.

## The Sewage Tank

The Tank for the sewage is cylindrical in shape, is made of No. 14 gauge especially prepared iron, having a high degree of purity, thus resisting to a maximum both rust and the effects of chemical action within the Tank.

All joints are firmly welded by the oxy-acetylene or electric processes, thus making every joint 100 per cent tight.

Both inside and outside of the Tanks are covered with a preservative preparation which, together with the chemical, San-Sol, which is in itself a preservative of metal, makes the Tanks last almost indefinitely.

The Tank for a single Bowl unit has a capacity of about 120 gallons. Tanks for Multiple Installations are made proportionately larger, depending upon the number of bowls to be provided for.

## The Cleanout Opening

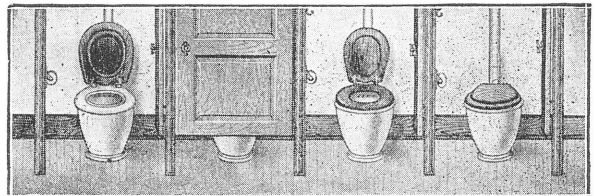
Each Tank is provided with a Manhole or Cleanout Opening, 14 inches in diameter, with suitable cover. The collar on the Cleanout Opening is three inches high. Where the Tank is submerged below the surface of the ground more than three inches, the Collar should be extended. Extra charge is made for such extension, the amount of the charge depending upon the length of the extension required.

## The Agitator

The Positive Action Agitator is the most efficient and effective agitator ever produced. It is operated by simply moving a small crank handle horizontally back and forth above the Seat. It is easily installed and so simple in its mechanism that it can not get out of order. The horizontal rotary action of the large perforated blades in the Tank prevents the sewage from piling up below the Bowl and makes it possible for the chemical to promptly come in contact with all parts of the sewage.

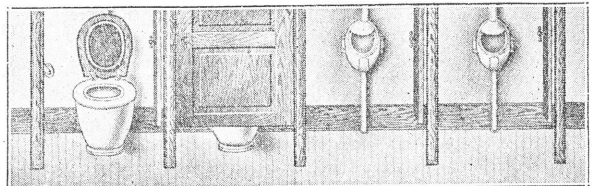
## Multiple Installations

Multiple installations are used where two or more Bowls are to be provided for either sex.



**A MULTIPLE INSTALLATION**  
In this case Four Bowls are installed on a  
Quadruple Size Tank.

In such cases, two or more Bowls are placed on Tanks of double, triple or quadruple size. Two or more such batteries may be joined together to provide any required number of Bowls. By the use of Multiple Installations the results of unequal usage of the different bowls are equalized.

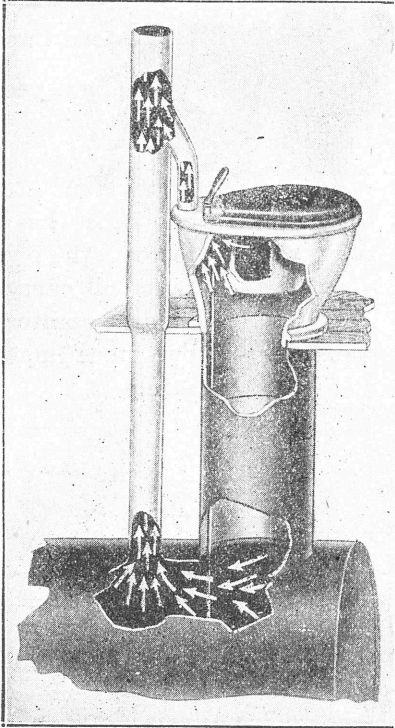


**A MULTIPLE INSTALLATION**  
In this case Two Bowls and Two Urinals are  
installed on a Quadruple Size Tank.

**FOR SCHOOLS WITHOUT WATER THIS SYSTEM IS THE BEST**

## The Ventilating System

The Ventilating System is a most important feature of any Chemical Toilet and to this we have given special attention. Our long experience in ventilating school buildings has enabled us to solve this problem by the practical application of scientific principles.



### THE VENTILATING SYSTEM

Sectional View showing how the Main Vent Pipe connects direct with the Tank, and thus removing promptly all obnoxious gases.

The main Vent Duct is connected direct with the Tank where the obnoxious gases originate because of the action of bacteria and the chemical.

A secondary Vent Pipe at the top of the Bowl back of the Seat connects with the main Vent Duct at an angle of 45 degrees and promptly removes any gases that may originate in the Bowl, or that may find their way there through the Dip Tube at such times when the main Vent Duct connecting direct with the Tank may be over-crowded, which, however, rarely occurs.

The Vent Ducts should be connected with the chimney wherever a chimney is accessible without having too long a horizontal stretch of pipe.

When the chimney is not accessible for this purpose, the Vent Duct may be run up through the roof emerging as near the ridge as possible.

A special Vent Cowl at the top of the Vent Pipe utilizes the air currents to induce positive ventilation at all times.

### Emptying of Tanks

The Sewage Tanks may be emptied in any one of several ways, as local conditions and circumstances may make most practical and convenient. Following are the most common:

**Dipping:** The simplest way is to dip the contents of the Tank out through the manhole by means of a common pail or other suitable vessel.

**Pumping:** By this method the contents of the Tank are removed by means of a common Plunger Sewage Pump or by means of a large suction pump.

**Draining:** By this method the contents of the Tank are drained into a sewer or cesspool, or leaching pool. In this case the Tank is provided with a Drain Plug and Nipple to which a four-inch soil pipe or common sewer tile leading to a cesspool, sewer or leaching pool may be connected. This method of emptying the Tank is the best and most convenient way and is particularly recommended for use in Multiple Installations or for Single Installations where a cesspool can be provided. The additional cost of providing a cesspool at the time the Toilets are installed is nominal.

### Equipment Furnished

The following standard equipment is furnished with a Single Bowl System and is usually sufficient to make the installation on the ground floor to a one-story building:

- 1 Bowl, best white vitreous china with special sanitary removable inner sleeve.
- 4 Screws, nickel plated for fastening Bowl to floor.
- 1 Seat with Cover, solid oak, non-split construction, golden oak finish.
- 1 Dip Tube, 2½ feet in length.
- 1 Funnel to connect Dip Tube with Bowl.
- 1 Sewage Tank, about 126 gallons capacity, made of No. 14 gauge specially prepared and coated iron, oxy-acetylene welded, provided with cleanout opening and cover.
- 1 Sewage Pump, 5½ ft. long, or tank may be equipped with 4-inch drain plug with nipple as purchaser may specify.
- 10 Feet Galvanized Vent Pipe, 4 inches in diameter.
- 13 Feet White Enameled Vent Pipe.
- 2 Adjustable Elbows in case Vent Pipe is connected with chimney, or
- 1 Vent Cowl and Roof Saddle in case Vent Pipe passes out through the roof independent of the chimney.
- 1 Drum San-Sol.
- 1 Toilet Paper Holder.
- 1 Roll Toilet Paper.

The above equipment has been found to be ample for complete installation in an average one-story building.

If the installation is irregular so that an extra long Dip Tube or an extension of Cleanout Collar, or more than a total of 23 feet of Vent Pipe is required, extra charge is made for such extra equipment actually furnished.

For Multiple Installations equipment is sent accordingly.

Price, per Unit ..... \$135.00

### The Chemical, San-Sol

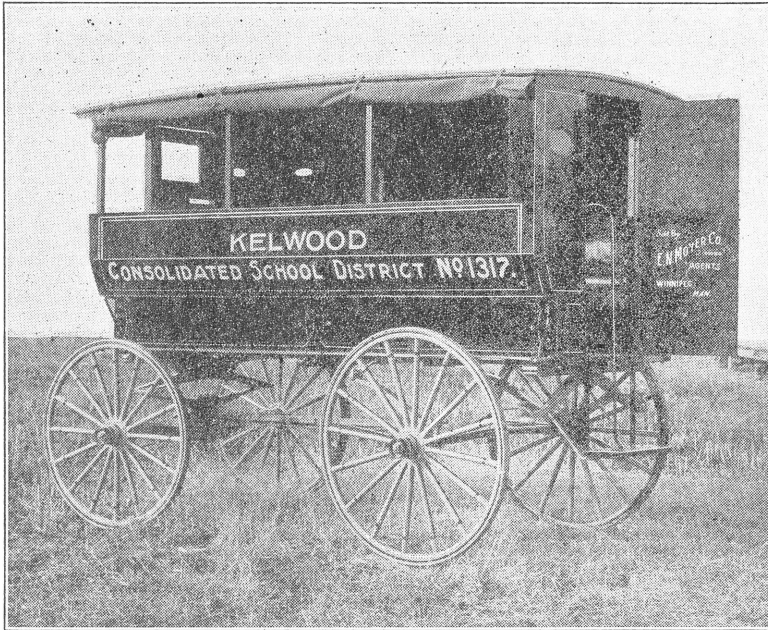


San-Sol is a powerful chemical which promptly destroys all germ life and in connection with the Agitator, disintegrates the solid portions and the toilet paper. It is put up in containers, each constituting a charge for a single Bowl Tank.

Price, per Drum ..... \$4.50

THIS IS "THE" SYSTEM FOR RURAL SCHOOLS

# LAWRIE SCHOOL VANS



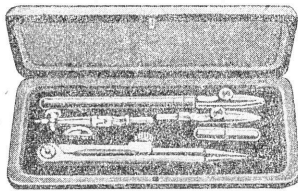
Interior View

Speak for themselves  
 125 Sold in  
 Western Canada  
 in one year

The manufacture of hundreds has perfected the vehicle that will carry your children **comfortably**, but more important, **safely**.

Write for prices

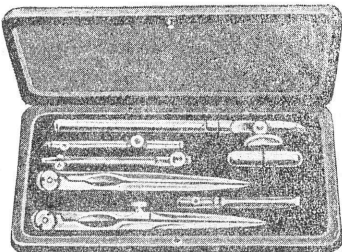
## MATHEMATICAL DRAWING SETS



**No. 4M994**  
 An exceptionally low priced, yet well made set of imported instruments. The set contains one 3 3/4 inch compass with pen and pencil attachment one 4 1/2-inch ruling pen, case for leads and one key for adjusting compass.

Put up in a neat black case, lined with cloth. Equipped with sliding catch lock. Approximate size of case, 5 1/2 x 2 1/2 x 1/2 in. Shipping weight, 7 oz.

**No. 4M994—Price, per set ..... \$2.00**



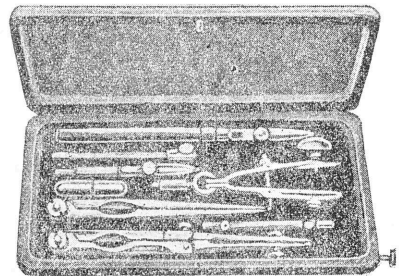
**No. 4M998**  
 An imported set of instruments, nickel finish. Set consists of one 4-in. divider, one 4 1/2-inch compass with lengthening bar

and pen and pencil attachments, 5-inch ruling pen with black metal handle, case for leads and key for adjusting instruments. Put up in an attractive black case. Equipped with sliding lock. Approximate size, 6 1/2 x 3 1/4 x 1/2 inch. Shipping weight, 9 oz.

**No. 4M998 Price, per set.....\$4.00**

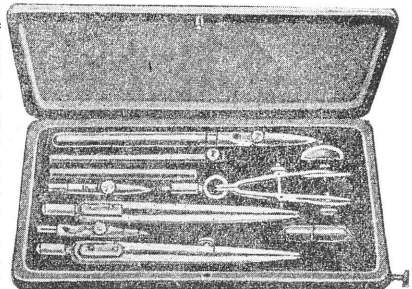
**No. 4M996**—An imported set of drawing instruments, nickel finish. Contains one divider, one adjustable compass, 4 1/2 inches long, with lengthening bar, and pen and pencil attachments, bow pen 5-inch ruling pen with black metal handle, case for leads and key for adjusting instruments. Put up in a black case, cloth lined. Equipped with sliding lock. Approximate size of case, 6 1/2 x 3 1/2 x 1/2 inch. Shipping weight, 9 oz.

**No. 4M996—Price, per set ..... \$6.00**



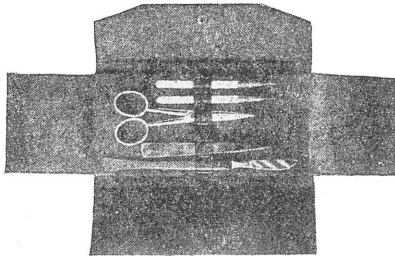
**No. 4M997**—A set consisting of 4 3/4-inch divider, one adjustable 4 1/2-inch compass, one adjustable lengthening bar 3 1/2 inches long, one pen and pencil attachment, one bow pen, one 5-inch ruling pen with black metal handle, one extra 3-inch metal handle and case for leads. A practical and moderately priced set. Nickel finish. Put up in a black case, cloth lined. Equipped with sliding lock. Approximate size, 7 x 3 3/4 x 1/2 inch. Shipping weight, about 9 oz.

**No. 4M997—Price per set..... \$10.00**



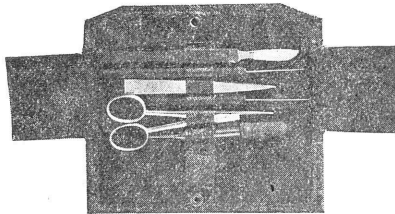
PRICES SUBJECT TO CHANGE WITHOUT NOTICE

# DISSECTING SETS AND MAGNIFIERS



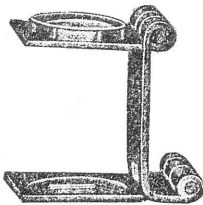
**No. S290**—Leatherette case, flannel lined, contains Scalpel, Forceps, Scissors, and two needles with adjustable bone handles.

Price ..... **\$3.00**



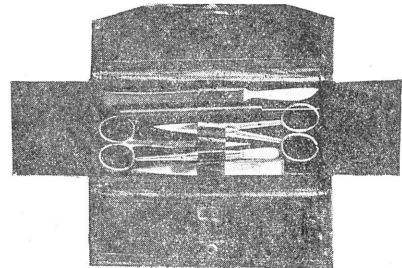
**No. 051**—In Leatherette Case, containing 1 Scalpel, 2 Dissecting Needles, 1 Pair Forceps, 1 pair best Steel Scissors with 2 in. blades, 1 round Form Cover Glass.

Price complete ..... **\$2.85**



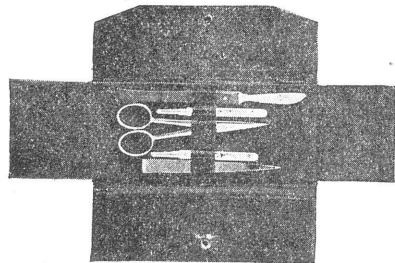
**No. S048**—Linen Tester or Thread Counter, employed in Beginner's Classes, and for a variety of purposes. The double convex lens is mounted at a distance above the base equal to its focal length. Square opening  $\frac{1}{2}$  inch diameter.

Price ..... **\$0.75**



**No. 100**—In strong Leatherette Case containing 1 Scalpel, 1 Dissecting Needle, 2 Pair Steel Scissors, 2 Pair Forceps.

Price complete ..... **\$5.00**

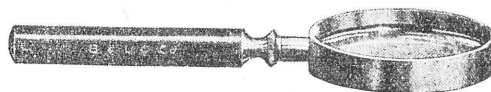


**No. 70**—In strong Leatherette Case containing 1 Scalpel, 2 Dissecting Needles with bone handle, 1 Pair best Steel Scissors, 2 in. blades, 1 Pair Forceps.

Price complete ..... **\$2.60**



**No. 8052**—Tripod Magnifier. This Magnifier is of sufficient power for elementary biological work, and because of its large clear field is quite widely used for dissections. Consists of two double convex lenses, separated by a diaphragm in a mounting which screws up and down in the brass frame for focussing. Price..... **\$1.25**



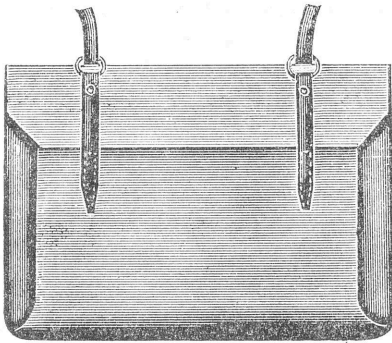
**No. S030**—Reading Glass unsurpassed in optical properties, design and workmanship. Ebonized wood handle, with nickel plated rim. Lenses are accurately ground of clear, white optical glass and highly polished.

Diameter of Lens 2 inches..... **\$0.75**  
Diameter of Lens 3 inches..... **2.00**

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

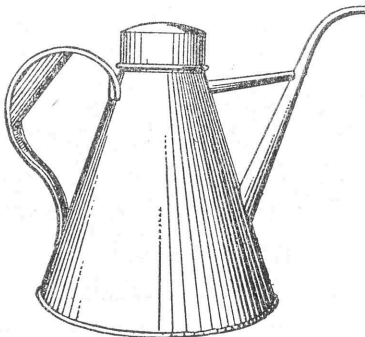


**SCHOOL BAGS**



- No. 1—Black Fabrikoid, size 12 inches..... \$1.00
- No. 2—Black Fabrikoid, size 13 inches..... 1.15
- No. 3—Black Fabrikoid, size 14 inches..... 1.25
- No. 4—Genuine Leather, size 12 inches..... 1.35
- No. 5—Genuine Leather, size 13 inches..... 1.45
- No. 6—Genuine Leather, size 14 inches..... 1.75

**INK WELL FILLER**



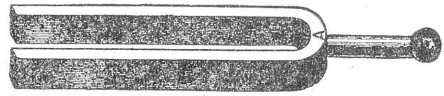
Made of Copper. Should last a lifetime.  
Price ..... \$3.50

**TUNING FORK**



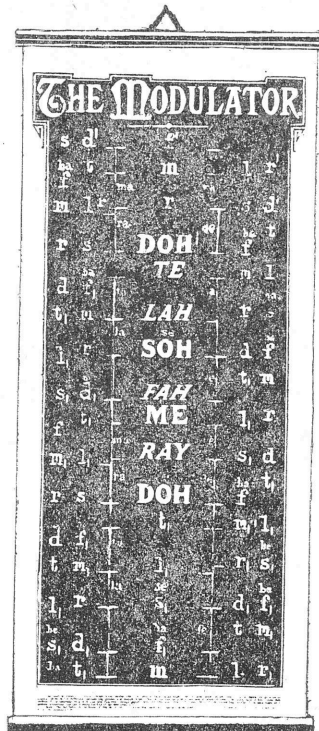
- No. 3200—Fork A. 4 3/4 inches long..... .60
- No. 3202—Fork C. 4 3/4 inches long..... .60

**TUNING FORK**



- No. 3206—Fork A, heavier than No. 3200.... \$1.25
- No. 3208—Fork C, heavier than No. 3202.... 1.25

**MODULATOR**



Tonic Sol-Fa System. Mounted on cloth with wooden Rollers Top and Bottom.

Price ..... \$1.50

**THE "REQUISITE" NATURE STUDY BOX**

Contains:—

- 1 Powerful Microscope.
- 1 Dissecting Needle.
- 1 Special Knife.
- 1 Glass Tablet.
- 1 Pair Tweezers.
- 1 Note Book, ruled and plain, for Writing and Sketching.
- 1 Compartment with cork strip for keeping Specimens.

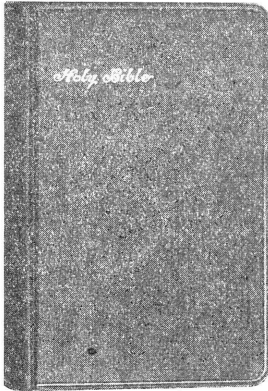
**Price Complete, \$1.00**



*MUSIC IN THE SCHOOL IMPROVES DISCIPLINE*

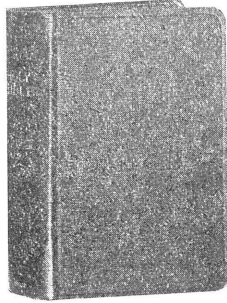
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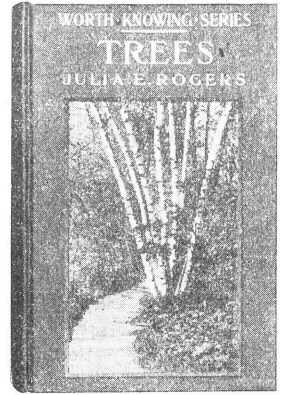
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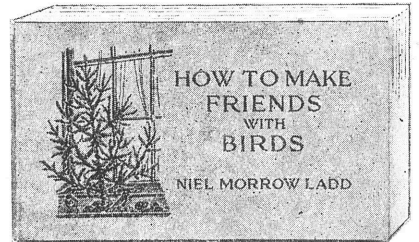


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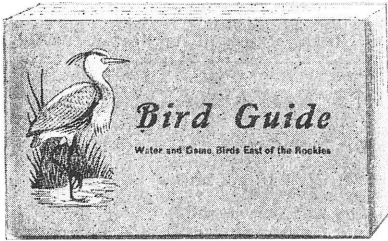
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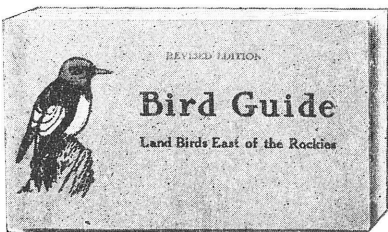


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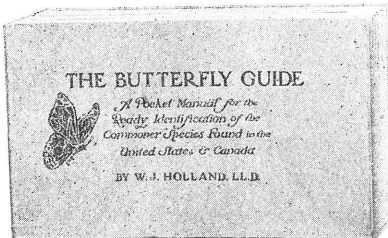
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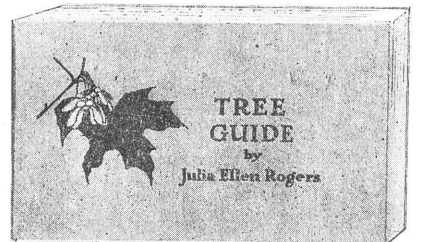
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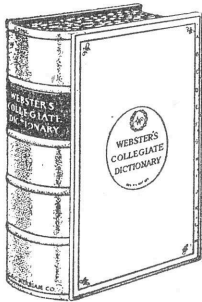


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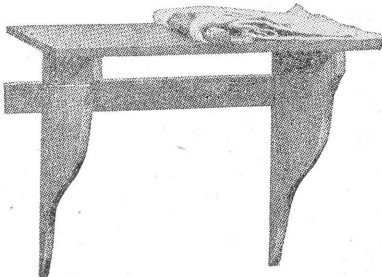
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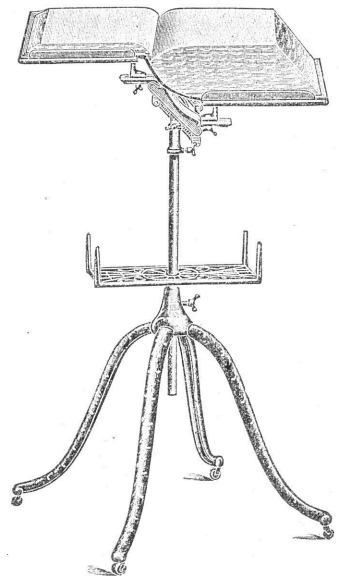
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**Moratorium**, Delaying, Extending, Postponing, Staying.

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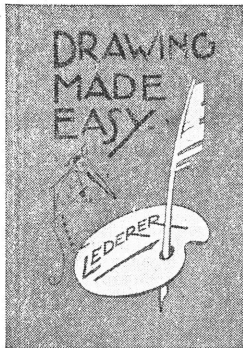
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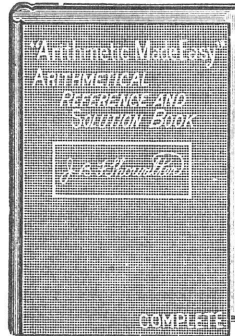
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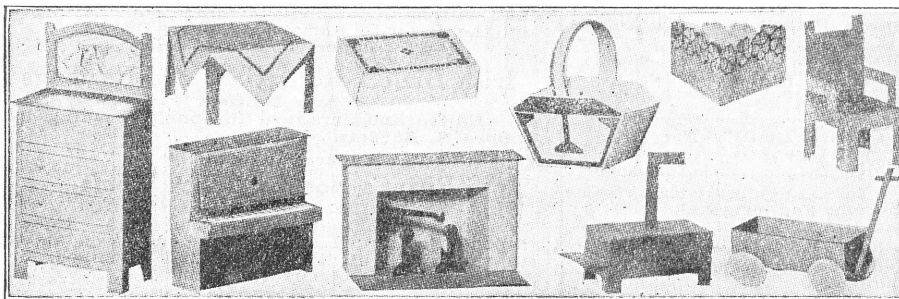
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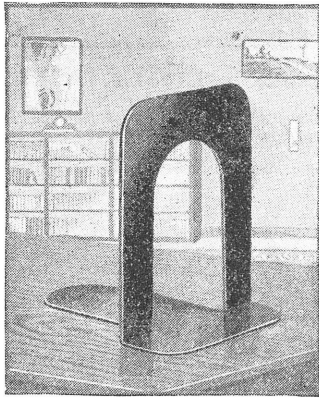
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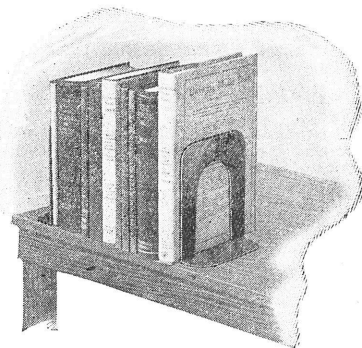
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| Bull Dog, The                                      | Singing in the Rain              |
| Can a Little Child Like Me                         | Snow Bird, The                   |
| Carry Me Back to Old Virginny                      | Song of a Thousand Years         |
| Catch the Sunshine                                 | Speed Away                       |
| Cheer, Boys, Cheer                                 | Spring, The (Round)              |
| Christmas Carol, Sears                             | Stars of the Summer Night        |
| Christmas Carol, Neal                              | Old Black Joe                    |
| Christmas Song, Adam                               | Old Folks at Home                |
| Christmas Song, Hunter                             | Old Oaken Bucket, The            |
| Christmas Time is Come Again                       | Old Santa Claus                  |
| Whip-poor-will Song, Work, for the Night is Coming | Onward, Christian Soldiers       |
| Woodman Spare That Tree                            | Peace on Earth                   |
| Years of Peace                                     | Quilting Party, The              |
|  | Rainy Day, The                   |
|  | Raise Your Hands                 |

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**Character of Contents.** Great care has been exercised that only the choicest and most approved selections should appear in this book, with the result that a rare collection of entertainment materials is presented. A large number of selections appear for the first time in a general collection, as they are protected by copyright and could be used only by consent of author or publisher.

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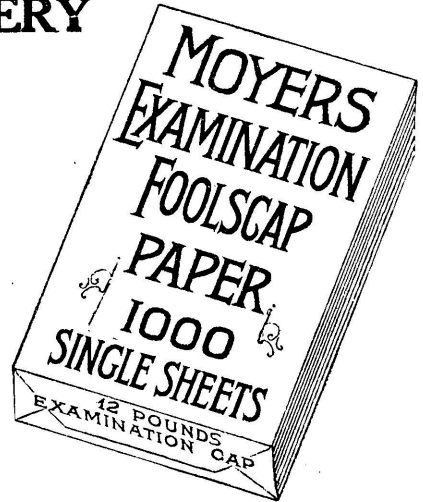
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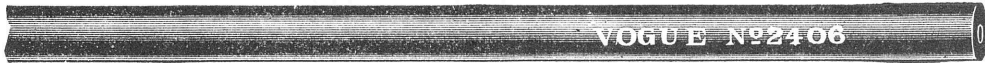
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SEE PAGES 70, 71, 72, and 73 FOR PENS AND PENCILS





**“VOGUE”**



A fine School Pencil with Wedge Rubber Eraser Cap. A good pencil with a good eraser.  
**Per Doz. with Eraser** .....50c      **Per Gross, with Eraser** .....\$5.00  
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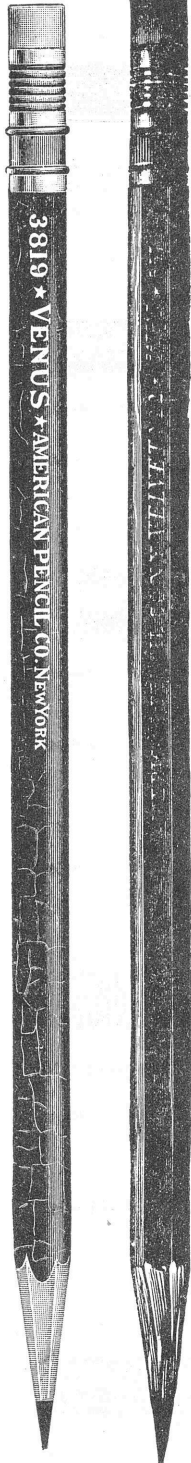


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SEE PAGE 78 FOR DRAWING PAPER



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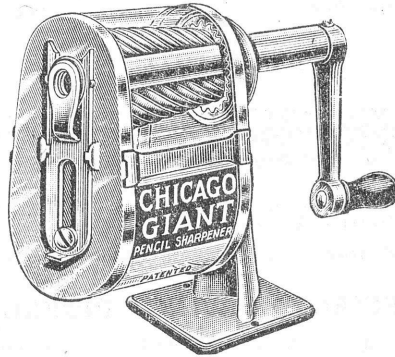
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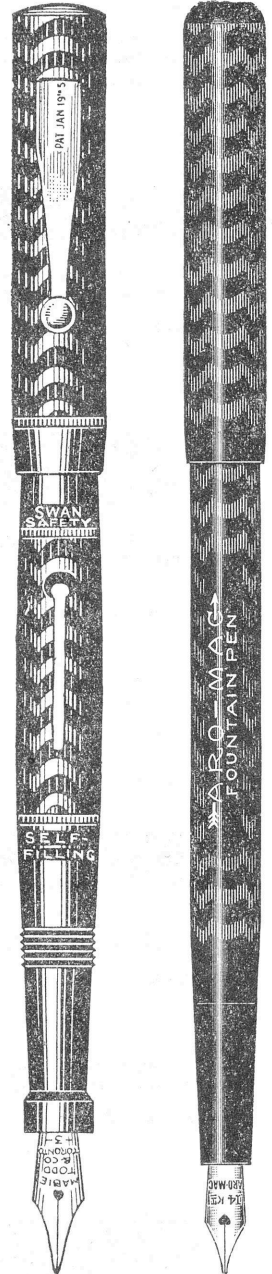


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“Swan”

Aro Mac

**Venus**      **Velvet**  
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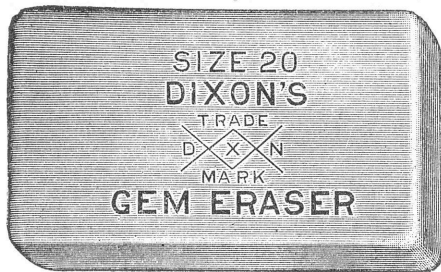
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A very fine red rubber, soft, pliable and durable.



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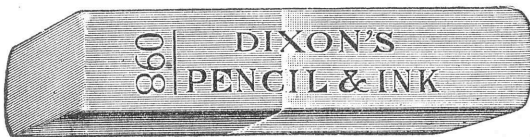


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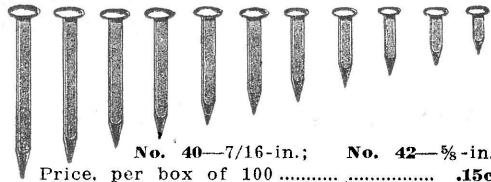
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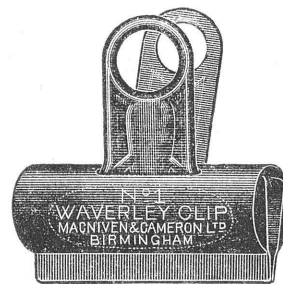
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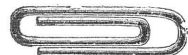


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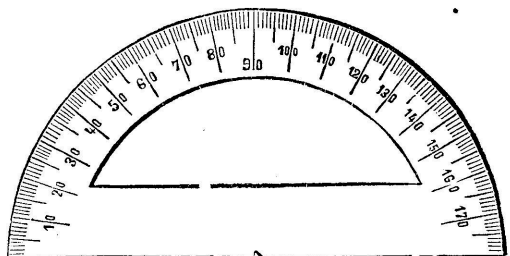
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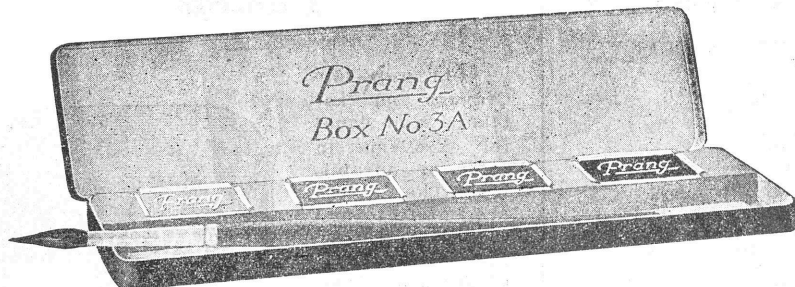
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# Art Materials—Water Color Boxes



## Prang Water Color Box No. 33

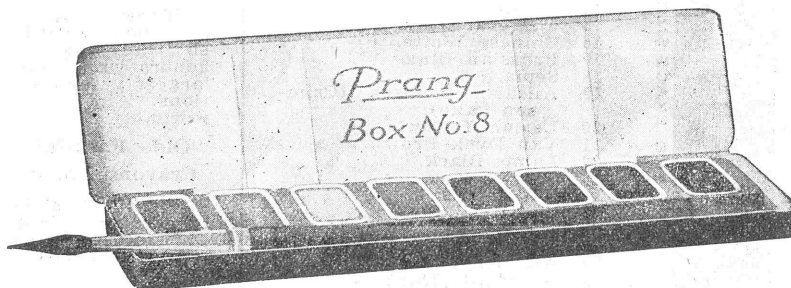
Contains the three Primary Colors and 1 Cake of Black, and 1 Brush No. 7. A larger box than No. 1.

Price, complete each .....40c

## Prang Water Color Box No. 8

Contains 8 half pans of semi-moist colors—Carmine, Gamboge, Ultramarine, Orange, Standard Green, Violet No. 2, Warm Sepia, Charcoal Gray, One No. 7 Camel's Hair Brush.

Price, complete .....50c



## Prang Water Color Box No. 1

Four Color Box containing 1 Cake Ultramarine, 1 Cake Carmine, 2 Cakes Mineral Yellow with Quill Brush. A cake of black may be substituted for one cake of yellow.

Per Box .....\$0.40

## Prang Water Color Box No. 5

Contains 4 whole pans semi moist Colors—Ultramarine, Gamboge, Carmine and Black, and 1 No. 7 Camel's Hair Brush.

Price, each .....\$0.50

## Prang Water Color Box No. 16

Contains 16 half pans of semi-moist Colors and 1 No. 7 Brush.

Price, each ..... \$1.25

## REFILLS—For Water Color Boxes



Cakes for Nos. 1 and 3A—  
Per dozen, in Carton .....\$0.50

Half Pans of Semi-Moist Colors for Boxes Nos. 8 and 16—  
Per dozen, in Strips ..... .50

Whole Pans of Semi-Moist Colors for Box No. 5—  
Per dozen Pans ..... .75

See Moist Water Colors on page 76—as same Colors are supplied for refills for boxes No. 8 and 16 only.

## THE HIAWATHA PAINT BOX

Non-Poisonous Water Colors.



Telescope Pasteboard box, outside Printed in Two Colors. Size of Box 10 1/2" x 7" x 3/4".

Contents 12 Dry Cakes 7/8" dia., 1/8" thick, as follows: Dark Green, Vermillion, Burnt Sienna, Light Green, Orange, Ultramarine, Prussian Blue, Black, White, Two Water Pans.

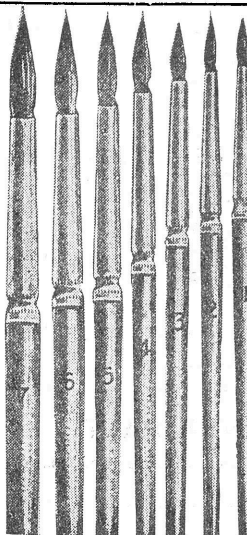
One No. 4 Quill Brush with Detachable Handle. An Ideal Gift for the Boy or Girl. Price ..... 35c

## WATER COLOR BRUSHES

- No. 1—Each .....\$0.08
- Per doz. .... .90
- No. 2—Each ..... .09
- Per doz. .... 1.00
- No. 3—Each ..... .10
- Per doz. .... 1.00
- No. 4—Each ..... .10
- Per doz. .... 1.00
- No. 5—Each ..... .13
- Per doz. .... 1.20
- No. 6—Each ..... .15
- Per doz. .... 1.50
- No. 7—Each ..... .15
- Per doz. .... 1.50

## JAPANESE BRUSHES

Each .....\$0.15  
Per doz. .... 1.50



SEE PAGES 88, 89, 90, 91 and 92.

**MOIST WATER COLORS  
IN TUBES**

Inexpensive but reliable Moist Water Colors, put up in collapsible tubes. Supplied in 29 colors.



- Give name of color as well as number.
- 1 Light Red.
  - 2 Vermillion.
  - 3 Carmine.
  - 4 Gold Ochre.
  - 5 Gamboge.
  - 6 Orange.
  - 7 Ultramarine.
  - 8 New Blue.
  - 9 Hooker's Green, No. 1
  - 10 Hooker's Green, No. 2
  - 11 Payne's Gray.
  - 12 Warm Sepia.
  - 13 Burnt Sienna.
  - 14 Violet.
  - 15 Charcoal Gray.
  - 16 Chinese White.
  - 17 Prussian Blue.
  - 18 Sepia.
  - 19 Alizarin Crimson (Crimson Lake)
  - 20 Lemon Yellow.
  - 21 Van Dyck Brown.
  - 22 Lamp Black.
  - 23 Ivory Black.
  - 24 Yellow Ochre.
  - 25 Cobalt Blue.
  - 26 Sap Green.
  - 27 Chrome Yellow.
  - 28 Alizarin Scarlet.
  - 29 Standard Green.

**PRICE**

Per Tube .....20c

**LIQUID TEMPERA COLORS**

**Single Tubes**

Collapsible tubes—permanent white, raw sienna, burnt sienna, carmine, vermilion, crimson, madder (dark), English red (light), Van Dyck brown, neutral gray, ivory black, ultramarine, Prussian blue, cobalt blue, chrome yellow (light), Chrome yellow (dark), Indian yellow, cinnabar green (light), cinnabar green (dark), emerald green.

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(In 2-oz. Bottles—12 Colors)

Light Red, Dark Red, Black, White, Light Green, Dark Green, Yellow, Orange, Light Blue, Dark Blue, Lavender, Brown.

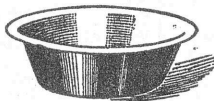
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(Waterproof—Jet Black)

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**ENAMELED WATER CUPS**



**Bronze Water Pans—**  
Each .....10c Per doz. ....\$1.00

**Green Enameled Water Pans—**  
Each .....15c Per doz. ....\$1.50

**GOLD AND SILVER PAINT**

Excellent quality and permanent brilliancy. Mixed with water only.

Per Pan .....\$0.10

**Art Crayons and  
Pastels**

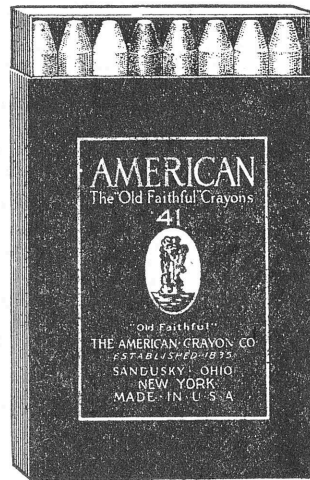
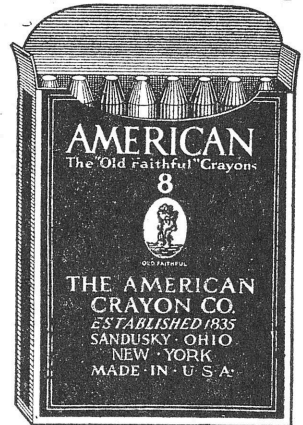
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Crayons and Pastels have no equal for excellence in color or durability. The colors are perfect and the packages are specially prepared for school use.

These crayons have been awarded the highest honors at the largest expositions in the world.

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Crayons No. 8**

Eight Pastels in cardboard box. This is the ordinary school box.

Per Box .....\$0.15  
Per Doz. .... 1.50  
Per Gross Crayons, one color ..... 2.00



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Eight Colors (larger than No. 8), in strong lift up covered box.

Per Box.....\$0.20  
Per Doz..... 2.25  
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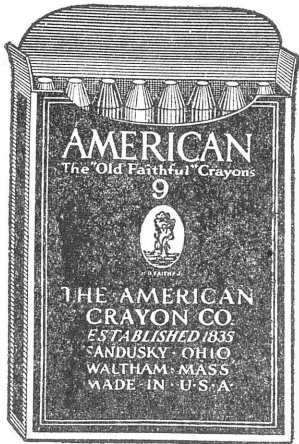
**"Old Faithful"  
Pastel No. 1047**

16 Colors Good School Pastels in Cardboard Box. Big Value.

Per Box .....\$0.25  
Per Doz. .... 2.75



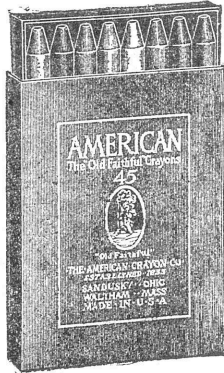
*BETTER VALUE—GREATER VARIETY*



**"Crayograph"  
No. 9**

A pressed crayon in which the fixative is mixed with the ingredients. Work done with these crayons does not need "fixing."

Eight colors in cardboard box.  
Per Box .....\$0.10  
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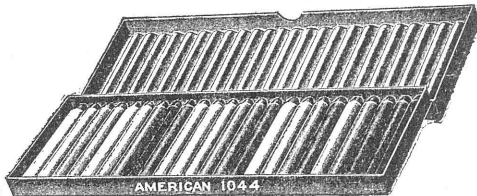


**"CRAYOGRAPH"  
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8 Colors. Another "Fixed" Crayon. Larger sticks than No. 9. Put up in an attractive, heavy cardboard box.

Per Box .....\$0.20  
Per Doz. .... 2.00  
Per Gross Crayon.  
One Color ..... 2.25

**"Old Faithful" Pastel No. 1044**



24 Colors Pastels of finest quality. For High School Students, Teachers and Professional Artists. In Patent Box to protect individual crayons.

Per Box .....\$0.50  
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WAX CRAYON  
No. 30**

The Best Wax Crayons on the market. Adopted by more schools than any other crayon. Eight colors of exceptional quality.

Per Box .....\$0.10  
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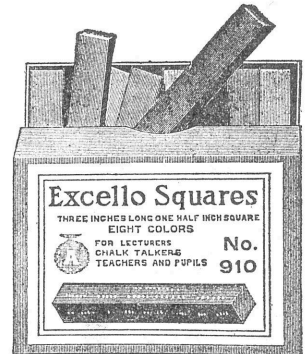
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**COLORED CHALK CRAYONS  
For Blackboard and Lecturers' Use.  
"Excello" Squares No. 910**

A great favorite among teachers for lecturing and blackboard work.

This box contains 8 sticks of lecturers' crayons 1/2x3-in., including the following colors: ultramarine, orange, violet, yellow, green, umber and black.

Price, per Box 75c



**Colored Chalk—Best No. 1**



These crayons are soft in texture and produce beautiful, soft, pastel-like effects. They can be made permanent with a fixative the same as pastels. A great variety of tints of these colors can be secured by mixing with ordinary white. The colors blend perfectly. Packed in the following assortments.

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Per Box, Two dozen Crayons, No. 570..... .75  
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**Colored Chalk in Solid Colors No. 530**

Red, Orange, Yellow, Green, Blue, Violet and Black in boxes of 1 Doz. Sticks.

Price, per Box ..... \$0.40

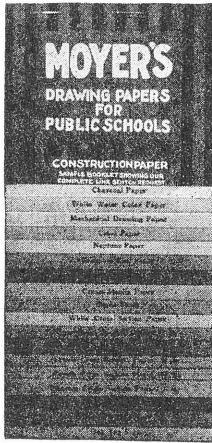
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For use with Charcoal and Pastel Drawings to prevent smearing.

Per 2-oz. Bottle ..... \$0.35

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## CREAM MANILLA PRACTICE PAPER

A good quality paper for Practice Work.

- Pkgs. of 100 Sheets, 6x 9 inches..... \$0.20
- Pkgs. of 100 Sheets, 9x12 inches..... .40
- Pkgs. of 500 Sheets, 6x 9 inches..... .90
- Pkgs. of 500 Sheets, 9x12 inches..... 1.80

## GREY MANILLA PRACTICE PAPER

**BOGUS PAPER**

- Pkgs. of 100 Sheets, 6x 9 inches.....\$0.20
- Pkgs. of 100 Sheets, 9x12 inches..... .40
- Pkgs. of 500 Sheets, 6x 9 inches..... .90
- Pkgs. of 500 Sheets, 9x12 inches..... 1.80

## CROSS SECTION PAPER

(Squared Paper)

This paper is used for design, cutting, folding, etc., and the white cross section paper may be used as graph paper.

- Grey Cross Section Paper— $\frac{1}{4}$ "- $\frac{1}{2}$ "-1" Squares**
- 6x 9 inches, Per Pkg. of 100..... .25
- 9x12 inches, Per Pkg. of 100..... .50
- Cream Cross Section Paper— $\frac{1}{4}$ "- $\frac{1}{2}$ "-1" Squares.**
- 6x 9 inches, Per Pkg. of 100..... .25
- 9x12 inches, Per Pkg. of 100..... .50
- White Cross Section Paper— $\frac{1}{4}$ "- $\frac{1}{2}$ "-1" Sq.**
- 6x 9 inches, Per Pkg. of 50..... .25
- 9x12 inches, Per Pkg. of 50..... .50
- In Squares of  $\frac{1}{4}$  in.,  $\frac{1}{2}$  in., and 1 in.**
- Black Cross Section Paper—**
- 6x 9 inches, Per Pkg. of 50..... .45
- 9x12 inches, Per Pkg. of 50..... .90

## OAK-TAG PAPER (Tag Manilla)

For Cardboard Construction work, Toy Furniture, Portfolios, Folders, etc.

- Plain, Pkg. 100 Sheets, 9x12. Per Pkg..... .90
- Per Sheet, Plain 18x24 ..... .06
- Sheets 20x25-in.—One side ruled red and blue squares, large and small.
- Per Dozen Sheets ..... .80

## STENCIL BOARD

A Fine Waxed Waterproof Cardboard in which the Stencil Design is cut, and then put on paper with water color or ink.

- Size 5x 6 inches. Per Doz. .... .15
- Size 10x12 inches. Per Doz. .... .60

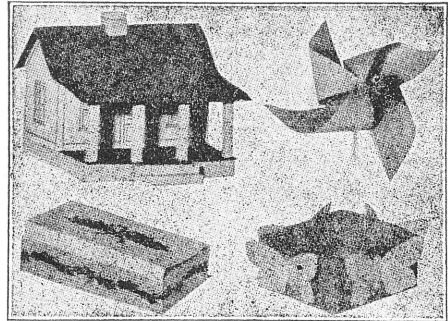
## RICENE TRACING PAPER

- Per Pkg. of 100 Sheets, 8 $\frac{1}{2}$ x11 inches..... .65
- Per Pkg. of 100 Sheets, 11 x17 inches..... 1.30

## COLORED CONSTRUCTION PAPERS

We offer a very fine selection of tinted papers of extra strength, fine finish and the best of colors.

They are for use with water colors, crayons, pastels, charcoal, India ink and brush work, for mounting drawings, pictures, etc.



This paper is supplied in 20 colors. In packages 6x9", 9x12" or 12x18".

**Solid Colors in Packages of any one of 23 Colors including the Six Standards.**

- 6x 9 inches. Per Pkg. of 100 Sheets..... .30
- 9x12 inches. Per Pkg. of 100 Sheets..... .60
- 12x18 inches. Per Pkg. of 100 Sheets..... 1.15

## MOYER'S ASSORTED PACKAGE "A"

50 sheets of 20 assorted colors. This has been our most popular package for general school purposes.

- Size 6 x 9 inches. Per Pkg. .... .25
- Size 9 x 12 inches. Per Pkg. .... .45
- Size 12 x 18 inches. Per Pkg. .... .90

## Construction Papers, Assortment No. B

Size 9 x 12 inches only.

- 50 Sheets Assorted Colors.
- 15 Sheets Bogus.
- 15 Sheets White Water Color.
- 10 Sheets Cream Manilla.
- 10 Sheets Grey Manilla.

Price, per Package ..... \$0.75

## PRIMARY ASSORTMENT Drawing and Construction Papers

Contains:—

- 20 Sheets Cream Manilla.
- 5 Sheets Gray Manilla.
- 1 Sheet Bogus Paper.
- 5 Sheets Colored Construction Paper.

Size 9 x 12 inches. Price, per Package.... .20c

## GRAMMAR ASSORTMENT

Contains:—

- 20 Sheets Cream Manilla.
- 5 Sheets Gray Manilla.
- 10 Sheets White Drawing Paper.
- 6 Sheets Bogus Paper.
- 2 Sheets Cross Section Paper.
- 12 Sheets Colored Construction Paper.

Size 9 x 12 inches. Price, per Package.... .40c

LET HAND AND BRAIN WORK TOGETHER

**FOLDING PAPERS**

We have selected a very high grade of engine colored papers for this work and the range of colors is exceptionally well adapted to the work for which they are used.

It may be possible to get cheaper papers but considering the high grade of paper we use and the superior colors our customers will find all of our papers to be of better value than offered elsewhere.

**Assorted Colors**

100 Sheets per Package. One Color per Package. Size 4 x 4 inches.

No. 404R—Red .....	4 x 4	
No. 404O—Orange .....	4 x 4	
No. 404Y—Yellow .....	4 x 4	
No. 404G—Green .....	4 x 4	<b>15c per Package.</b>
No. 404B—Blue .....	4 x 4	
No. 404V—Violet .....	4 x 4	

100 Sheets per Package. One Color per Package. Size 5 x 5 inches.

No. 505R—Red .....	5 x 5	
No. 505O—Orange .....	5 x 5	
No. 505Y—Yellow .....	5 x 5	
No. 505G—Green .....	5 x 5	<b>20c per Package</b>
No. 505B—Blue .....	5 x 5	
No. 505V—Violet .....	5 x 5	

100 Sheets per Package. One Color per Package. Size 6 x 6 inches.

No. 606R—Red .....	6 x 6	
No. 606O—Orange .....	6 x 6	
No. 606Y—Yellow .....	6 x 6	
No. 606G—Green .....	6 x 6	<b>30c per Package</b>
No. 606B—Blue .....	6 x 6	
No. 606V—Violet .....	6 x 6	

100 Sheets per Package, Assorted.

Size 4 x 4 in. ....	15c
Size 5 x 5 in. ....	20c
Size 6 x 6 in. ....	30c
Size 7 x 7 in. ....	35c
Size 8 x 8 in. ....	40c
Size 9 x 9 in. ....	40c
Size 9 x 12 in. ....	80c

100 Sheets per Package in Six Standard Colors, viz.: R.O.Y.G.B.V.

No. 707—Size 4 x 4 in. ....	15c
No. 708—Size 5 x 5 in. ....	20c
No. 709—Size 6 x 6 in. ....	30c

**HEAVY FOLDING PAPER**

For Construction Work

Per Pkg. of 100 Sheets, 6x6 inches.....	\$0.30
Per Pkg. of 100 Sheets, 7x7 inches.....	.40
Per Pkg. of 100 Sheets, 8x8 inches.....	.50

**BLACK FOLDING PAPER**

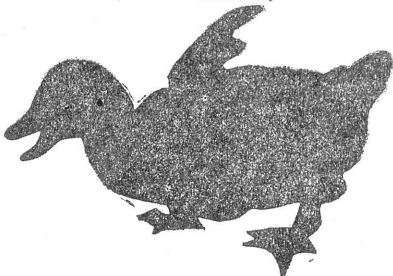
Per Pkg. of 100 Sheets, 5 x 5-in. ....	.20
Per Pkg. of 100 Sheets, 6 x 9-in. ....	.40

**WHITE FOLDING PAPER**

Per Pkg. of 100 Sheets, 4 x 4-in. ....	\$0.15
Per Pkg. of 100 Sheets, 5 x 5-in. ....	.20
Per Pkg. of 500 Sheets, Newsprint, 9x12-in.	.80

**SILHOUETTE PAPER**

(Black Coated)



No. 830—100 Sheets, 5 x 5-in. ....	.40
No. 831— 50 Sheets, 6 x 9-in. ....	.55

**GOLD AND SILVER PAPER**

No. 860—100 Sheets, 4 x 4-in. ....	\$0.90
No. 861—100 Sheets, 5 x 5-in. ....	1.10
No. 862—20 x 24-in., per Sheet .....	.15

**CUTTING PAPERS**

Coated Papers for cutting differ from En-ginex or Folding Papers in that the coated papers are white on one side and coated in different colors on the other.

This allows them to be pasted on Colored Mounting Papers without having the paste absorb the colors.

Folding Papers are the same color on both sides.

In our Coated Papers also we supply only the best possible grades and the most perfect range of colors.

**Assorted Colors**

Size 4 x 4-in. Pkg. of 100 Sheets.....	\$0.30
Size 5 x 5-in. Pkg. of 100 Sheets.....	.45
Size 6 x 6-in. Pkg. of 100 Sheets.....	.60
Size 6 x 9-in. Pkg. of 100 Sheets.....	.90
Size 7 x 7-in. Pkg. of 100 Sheets.....	.90
Size 8 x 8-in. Pkg. of 100 Sheets.....	1.00
Size 9 x 12-in. Pkg. of 100 Sheets.....	1.80

**CHARCOAL PAPER**

This paper has a rough surface with just sufficient tooth to take charcoal perfectly.

Per Sheet, Tints or White .....

**BLOTTING PAPER**

Pkg. of 100 Sheets, 4x9½ inches.....	\$0.50
Pkg. of 10 Sheets, 4x9½ inches.....	.05
Large Sheets, 19x24 inches, each.....	.10

**MOUNTING AND CARD BOARD**

White Cardboard—22x28-in. Per Sheet.....	.20
Colored Cardboard—Assorted Colors, 22x28 inches. Per Sheet.....	.20
Colored Mounting Board—Pebbled, D.T. 22x28-in. Per Sheet.....	.20
Suit Case Cardboard—per sheet.....	.10
(Not suitable for mailing.)	

**PRANG MOUNTING BOOK**

For preserving examples of drawing, mounting, etc. Size 10x13 inches, 28 pages of colored Construction Paper.

Price, each .....	.30
Per Dozen .....	3.25

**PORTFOLIOS**

For holding or carrying drawings, flat papers, Exam papers, etc.

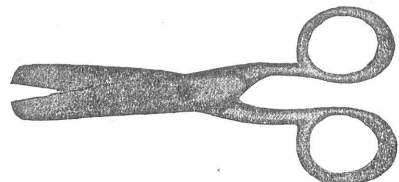
Cardboard Portfolio—11x13-in.....	\$1.00
Paper Portfolio—10½x14½-in. ....	.20
Kraft Envelopes—9x12 inches, per doz.....	.60

**SKETCH BLOCKS, WHITE**

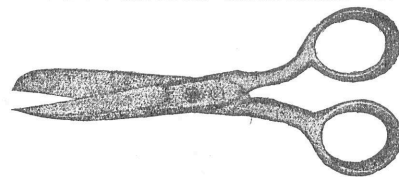
A very high grade Water Color Paper. Put up in Blocks for convenient use.

Size 6 x 9 inches .....	\$0.40
Size 9 x 12 inches .....	.80

**KINDERGARTEN SCISSORS**



No. 1—Round Point, Nickelled Steel, Kindergarten Scissors, 4½ in. All Nickel.  
Per Pair .....



No. 2—Sharp Point, 4½-in.  
Per Pair .....





**PICTURE BINDING**



For the easy and artistic framing of snap shots, small pictures, drawings and colored prints. Strong, appropriate colors and strongly gummed.

<b>In Rolls</b> —12 yds. long, 7/8 in. wide. Per Roll .....	<b>\$0.25</b>		
No. 1 Black	No. 3 Gray	No. 5 Dark Brown	No. 15 Sage Green
No. 2 White	No. 4 Bottle Green	No. 6 Dark Red	
<b>Dull Gold Picture Binding, 6 yds. by 1 1/4 in. Per Roll .....</b>	<b>\$0.30</b>		

**CARD HOLDERS**

**No. 37—(STEEL)**



No. 37

1 Gross in a Box.	
Per Gross Box.....	<b>\$2.75</b>
Per Dozen .....	<b>.25</b>

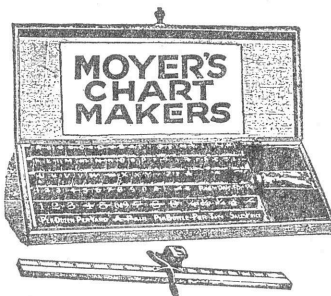
**CARD HOLDER—No. 50**



No. 50

For Post Cards and Drawings.	
Put up 1 Gross in a Box.	
Per Gross Box .....	<b>\$2.50</b>
Per Dozen .....	<b>.25</b>

**MOYER'S PRINTING OUTFITS OR CHART MAKERS**



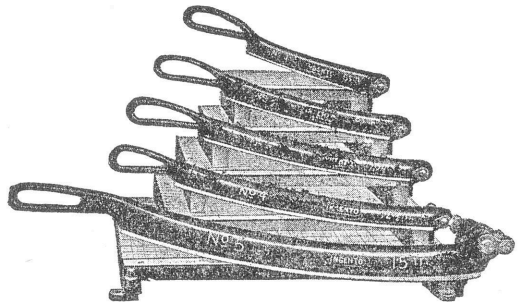
A set of letters, figures and signs for making reading charts, number work charts, notices, school bulletins, etc. Large size letters.

Very valuable as a school aid, especially to Primary Teachers or Rural Teachers. Put up in attractive wooden box.

Price, complete ..... **\$5.25**

**CARD AND PAPER CUTTERS**

**Nos. 1, 2, 3, 4 and 5**



**The Same High Quality from Top to Bottom**

This series of Ingento Trimming Boards represents the very acme of perfection in trimming board manufacture. Not one point has been overlooked. This is a strong statement, but is justified by facts.

**Points of Superiority**

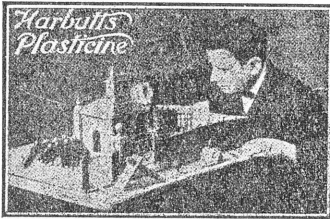
The bed is of seasoned maple as wide as it is long. The supporting cleats are mitred into the bed. The finish is produced by hand-rubbing and is as smooth as a piano. The blades are of the finest tool steel, properly tempered to insure a perfect cutting edge. The movable blade is hollow ground which makes it self-sharpening—a feature of the greatest importance in practical use. The spring joint is so constructed that it gives the movable blade a slight lateral motion. The two blades are in contact only where they cut. The result is clean cut edges every time. The rule has one eighth inch graduations and is set at a perfect right angle to the cutting edge. The beds are subdivided into perfect half-inch squares, permitting of accurate trimming at any point on the board.

No. 1,	6 1/2 inch blade .....	<b>\$ 3.75</b>
No. 2,	8 1/2 inch blade .....	<b>4.75</b>
No. 3,	10 1/2 inch blade .....	<b>5.45</b>
No. 4,	12 1/2 inch blade .....	<b>7.90</b>
No. 5,	15 inch blade .....	<b>15.00</b>

**MORE WORK AND BETTER WORK WITH GOOD SUPPLIES**



**HARBUTT'S PLASTICINE**



Harbutt's Plasticine is a modelling paste possessing all the advantages both of clay and the expensive wax of the artist—minus the disadvantages of either.

Its uses in Kindergarten and Primary work are innumerable.

It does not droop, dry or shrink and is unaffected by heat, cold or water.

Public Analysts and Medical Men report that "Plasticine" is composed of perfectly harmless material, highly antiseptic in its tendencies, therefore invaluable for School work.

It is stocked in five popular colors: Grey, Red, Blue, Green and Yellow.

Price, per pound package.....\$ .45  
 10 lbs. Assorted ..... 4.25  
 100 lbs. Assorted ..... 40.00

**BOOKS ON PLASTICINE**

Easy Modelling—Per Copy postpaid ..... \$0.50  
 Plastic Methods for Plastic Minds—P.Pd. \$.60  
 Harbutt's Plastic Method—Per Copy, P.Pd. 1.75  
 Geographical Modelling—Per Copy, P.Pd. .25

**BATIK OUTFIT**

**WHAT IS BATIK ?**

The word "Batik" is Javanese and means "to paint" or "to design."

The natives of Java for 2,000 years have practiced this combination Art of painting and dyeing which they have developed into one of the most beautiful of the Oriental Arts.

The term "Batik" is now used to indicate silk or other goods upon which designs have been painted or traced with molten wax.

"Batik" or Pattern Dyeing is becoming exceedingly popular and exquisite work can be produced in dress goods, scarfs, table covers, bags, hat bands, curtains, evening gowns, handkerchiefs and many other articles. Use white China Silk, Chiffon, Crepe de Chine or other light weight goods, without much sizing.

"Batik" presents an entirely new and fascinating series of Industrial Art problems whether for the Public Schools, High Schools, Normal Schools, Art Schools or for individual workers. It is rapidly becoming one of the fashionable fads of the day.

The Prang "Batik Outfit" contains the following articles which provide everything necessary for producing the work. The Outfit is packed in an attractive wooden box.

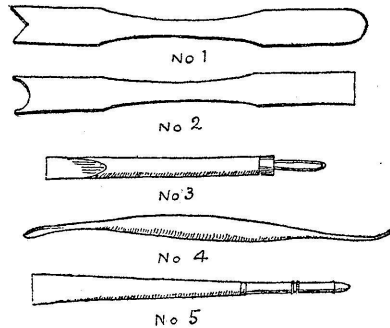
8 bottles of "Bateeko Dyes," 1 each of Red, Yellow, Blue, Orange, Green, Brown, Purple, and Black.

2 oz. cake of "Bateeko Wax."  
 8 Color Pans. 1 No. 4 Bristle Brush  
 1 No. 1 Sable Brush. 1 No. 7 Bristle Brush  
 Accompanying each Outfit is a patented knock-down frame, 18x18 inches, for stretching the goods while dyeing. Price, complete, with directions for using..... \$7.50

**PRICES OF SUPPLIES**

Batik Frame, small size, 18x18 inches.....\$1.50  
 Batik Frame, large size, 36x36 inches..... 2.25  
 "Bateeko Dyes", 2 oz. bottles, Yellow, Red, Blue, Orange, Green, Purple, Brown and Black. Per Bottle ..... .60  
 "Bateeko Wax," per cake of ½-lb......65  
 Color Pans, per dozen ..... .50

**MODELLING TOOLS**



THE TOOLS. HARBUTT'S PLASTIC METHOD.

Box Wood Tools—Set of 5..... \$1.25  
 All Round Modelling Tools—Per doz. .... 2.00  
 Grease-Proof Modelling Boards—  
 Size 9 x 12. Per doz. .... 1.00  
 Size 6 x 9. Per doz. .... .50  
 Plasticine Knives—Per doz. .... 2.00

**"ENAMELAC"**

This is an air-drying enamel paint for use on metal, papier-mache, wood, glass, etc. It dries overnight, is waterproof, ready for use and durable.

Teachers will find this material invaluable for use in decorating tin boxes, tins cases, trays, wooden objects.

Supplied in the following colors:

- Ultramarine
- New Blue
- Cobalt Blue
- Emerald Green
- Olive Green
- Hooker's Green,
- No. 1
- Chrome Orange
- Chrome Yellow
- Carmine
- Burnt Sienna
- Neutral Gray
- Dark Gray
- Light Gray
- White
- Black



Per can, ready for use.....\$0.40  
 Gold and Silver, per can ..... .75

**ENAMELAC BRUSH**

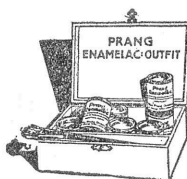
A Special Brush, 4½ inches long, with ¾ inch edge, and short handle, especially designed for applying Enamelac or Enamelit.

Each .....\$0.25

**PRANG ENAMELAC OUTFITS**

The complete outfit consists of 6 Tins Enamelac, 1 Can Shellac, 1 Can Turpentine, 3 Brushes, 1 Palette, etc., in wooden box.

Price, complete .....\$4.00



**CHEERY DECORATION MAKES WORK PLEASANT**

**RAFFIA FRAMES**

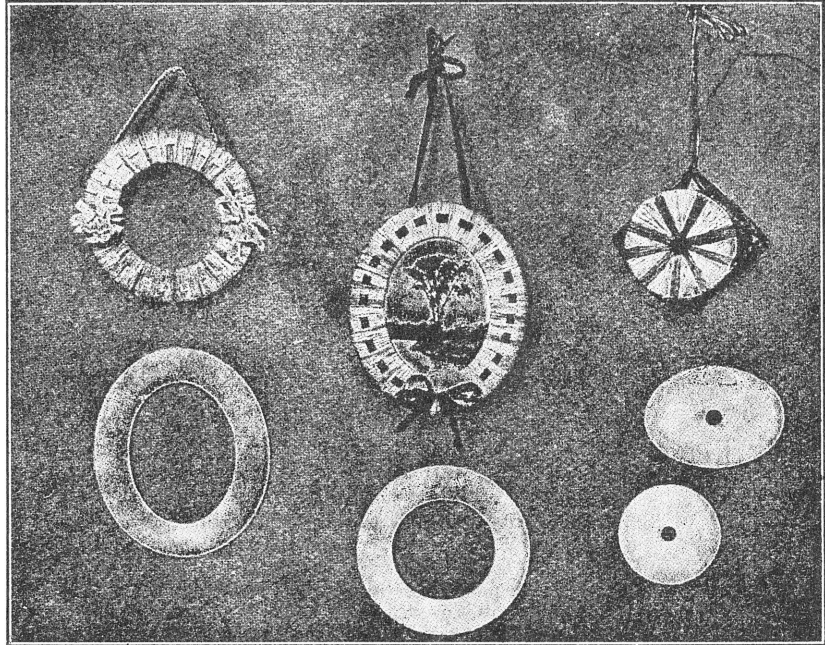
**ROUND AND OVAL**

For use in simple raffia weaving.

Each frame consists of two parts, made of heavy cardboard as shown in cut. The smaller can be used for basket foundations, mats, etc., and the larger for picture frames. A very useful busy work device for first grade pupils.

Price (including the two parts)

Per doz. ....\$0.25  
Per gross ..... 2.50



**RAFFIA**

It is still difficult to procure large quantities of Reed or Raffia and consequently prices and stocks are uncertain.

We will endeavor to fill all orders as completely and as promptly as possible.

**NATURAL RAFFIA—**

Per lb. .... .35c

**COLORED RAFFIA—**

Per ¼ lb. .... .45  
Per ½ lb. .... .75  
Per 1 lb. .... 1.40

**RAFFIA BOOKS**

Raffia Work—By Swannell, Postpaid .....\$1.40

Raffia and Reed Weaving—Knapp, Postpaid .....\$1.25

Coiled Basketry — Swannell, Postpaid ..... \$1.50

Practical Basket Making—By James, Postpaid .....\$1.60

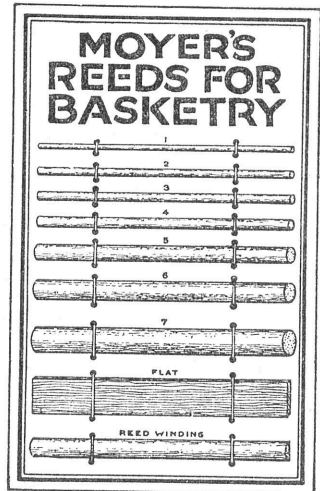
How to Make Baskets—White Postpaid .....\$1.60



**PRIME ROUND REEDS**

We are again able to supply Prime Round Reed, best quality in six sizes at following prices:

- No. 1 Fine, per lb. .... 1.75
- No. 2 Medium Fine, per lb. 1.50
- No. 3 Medium 1.40
- No. 4 Medium Coarse ..... 1.30
- No. 5 Coarse.. 1.25
- No. 6 Coarser 1.20
- Flat Reed, ¼", per lb. .... 1.00
- Chair Cane, per bundle of 1000 ft. .... 2.75



We are now able to supply the fine quality White Reed in sizes as above. The illustration is not intended to show the actual size; but the proportionate differences between sizes.

Put up in Pound Bundles. Bundles not Broken.

**RAFFIA NEEDLES**

**NEEDLES WITH BLUNT POINTS AND LARGE EYES**

Per Pkg. .... .20

LET HAND AND BRAIN WORK TOGETHER

## Dennison's Crepe Paper

Because of its softness and strength Dennison's Crepe Paper has become a very popular material with which to make costumes and Hats for Pageants, Parades, School Entertainments and Theatricals.

For Decorating the School, booths and in conjunction with Decorated Crepe endless combinations and effects can be made.



DENNISON CREPE			
No.	Colors	No.	Colors
11	White	36	Salmòn
12	Black	37	American Beauty
13	Gray	38	Old Rose
21	Heliotrope	41	Apple Green
22	Violet	42	Nile Green
23	Purple	43	Emerald Green
31	Light Blush Pink	43½	Dk. Emerald Green
32	Pale Coral	44	Grass Green
32½	Medium Coral	45	Moss Green
33	Dark Blush Pink	46	Leaf Green
34	Dark Coral	51	Celestial Blue
35	Cerise	51½	Azure Blue
		52	National Blue
		54	French Blue
		61	Light Amber
		62	Canary
		63	Dark Amber
		64	Gold
		65	Orange
		71	Light Brown
		72	Dark Brown
		81	Geranium
		83	Ruby
		91	Apricot

Size of Paper 20 inches by 10 feet. Will stretch to almost twice its length. Colors are very brilliant.

Price, per Fold ..... \$0.20

### DENNISON'S FIVE COLOR ROLL

A new line developed for School use to give the Pupils a variety of Colors to work with in their study of combining colors, cutting designs and in Silhouette work.

Each Roll contains five pieces of Crepe Paper, each a different color, size 10 in. wide by 24 in. long.

Price, per Roll ..... \$0.15

## Sealing Wax Craft



Wax Moulder No. 1—Used in working. Price 50 cents Ea.



WAX SPATULA No. 2—Used in Working. PRICE, 50 cents Each.

A new idea in industrial work for school or home. Very handsome and acceptable gifts may be made at a very low cost.

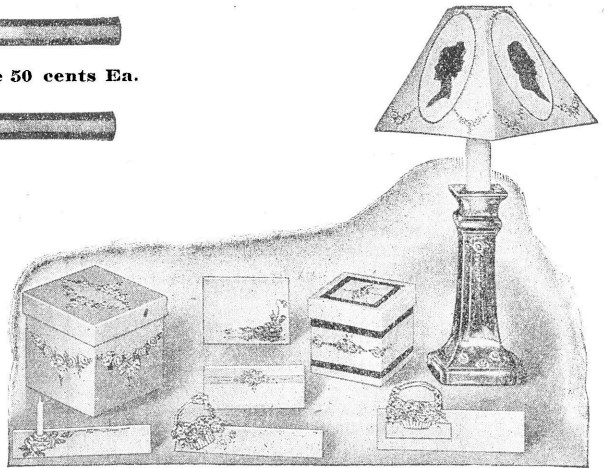
Glass, China, Tin, Cardboard, Wood, or Felt articles can be decorated to become very useful household articles.

Strings of Beads that would ordinarily cost four or five dollars can be made at a cost of only a few cents.

The entire equipment is very simple and offers a very interesting and very profitable pastime for children or grown-ups.

Articles decorated with Sealing Wax may be washed in Cold Water.

The only materials necessary are a small Spirit Lamp or Wax Melter, a number of sticks of Sealing Wax in the Shades desired, a Wax Moulder and a Wax Spatula. Vases and other items for decorating can be purchased for as little as Ten Cents. Flower pots can be decorated to look like beautiful pottery. Felt or Straw Hats may be made to look like new with a few Wax Motifs.



Group of Boxes and Cards and a Candle Stick and Shade with Sealing Wax Decoration.

ATTRACTIVE DECORATION MAKES WORK PLEASANT

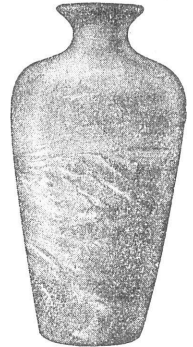




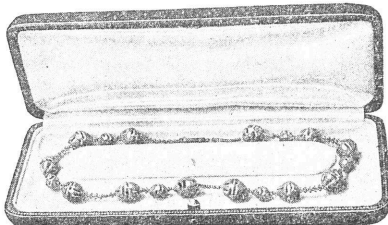
**FLOWER POT**  
Decorated with Sealing  
Wax.



**DECORATED  
VASE**



Heat the Stick of Wax; then press it against the Vase.



**DIRECTIONS FOR MAKING**

(Read carefully before starting)

1. With heated knife cut off two pieces of sealing wax, each about half the size of the bead to be made. Heat a steel knitting needle and fasten the pieces of wax to it, one on either side of the needle.

2. Hold the wax on the needle above the flame, revolving slowly until an even round bead is formed; then dip in water until cool. Always dry the bead before putting over the flame again.

3. Choose colors to blend on the bead. Heat each stick in turn and dot a little of the wax on the cool bead. Then revolve over the flame again. The colors when warm will flow around the bead, intermingling and forming a design. Cool the bead as before in the water; dry and pass over the flame again to restore the luster.

4. Heat the needle above and below the bead to remove it. When the bead is loosened, slide it back and forth on the needle a few times to make a clean-cut hole.

When the bead is formed and is just warm enough to be plastic, flat, square or odd shapes may be made by pressing the sides down flat on a marble or glass slab. The fingers and often a penknife are also very useful in forming the wax into the shape desired. For oval or oblong beads, start with the pin pressed through the wax the long way instead of across.

**LETTER WAX**

Made in Oval Sticks, 4 1/4 in. by 3/8 in.



Per Stick .....	\$0.15
2 for .....	.25
6 Sticks of one color in a box.....	.75
6 Sticks, Assorted Colors in a box.....	.75
Wax Melter or Spirit Lamp.....	1.00

Twenty-one Colors carried in stock as well as assorted colors in Boxes.

No.	No.	No.
201 Black	253 Azure Blue	
203 Mist Gray	254 Alice Blue	
206 White	255 Cobalt Blue	
223 Lilac	261 Canary	
224 Violet	262 Golden Yellow	
226 Dark Purple	263 Orange	
231 Light Rose Pink	281 Geranium	
233 Medium Rose Pink	283 Ruby	
236 American Beauty	291 Silver Bronze	
243 Dark Jade Green	293 Gold Bronze	
244 Apple Green	294 Blue Bronze	
245 Light Verdure Green	295 Green Bronze	
246 Verdure Green	297 Copper Bronze	

**RAYNBO CRAYONS**

Superior Colored Crayons, Assorted, (In Wood). For Mapping and General Color Work.

No. 083—

12 Full Length to Box.

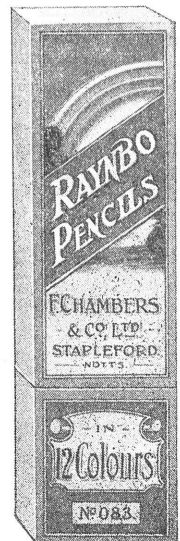
Per Box, ..... 85c

No. 108—

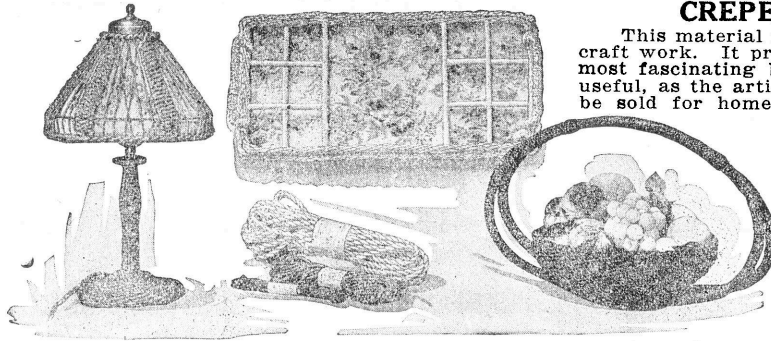
12 1/2 length to Box.

Per Box ..... 50c

Made in England



USEFUL AND ARTISTIC ARTICLES MADE AT SMALL COST



**CREPE PAPER ROPE**

This material is ideal for weaving and hand craft work. It provides work that is not only most fascinating but is at the same time very useful, as the articles made from it can readily be sold for home decoration.

Crepe Paper Rope is put up in hanks 36 ft. long and in 3 thicknesses: 1/4 inch, 1/2 inch, and 3/4 inch in diameter.

Can be supplied in Red, Green, Brown, Yellow, Black, Grey, White and Violet.

Per Hank—

1/4 inch .....	\$0.20
1/2 inch .....	.30
3/4 inch .....	.50

**FLOWER MATERIAL**

In convenient packages for School or Home use.

- No. 3—Rose Leaves in Dozens only. 3 in Spray Price, per dozen ..... 75c
- No. 6—Rambler Rose Leaves in Dozens only. Five in Spray. Price, per dozen ..... 30c
- No. 8—Rambler Rose Leaves in Dozens only. Three in Spray. Price, per dozen ..... 35c
- Easter Lily Centres in Dozens only. Per doz. 75c

**COVERED WIRE**

For Flower Making, Paper Rope and General Art Work.

- No. 7—Heavy, Color Green.
- No. 8—Light, Color Red.
- No. 9—Light, Color Green.
- No. 10—Light, Color White.
- No. 15—Extra Heavy, Color Green.
- No. 7S—Heavy, Color Green.

Spools in Red, Green and White Only.

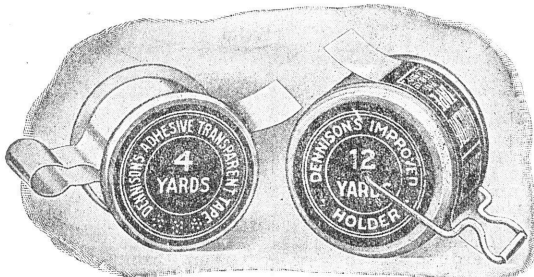
For use with Crepe Paper Rope, Green cotton covered wire, 36 inches long for shaping baskets, trays, vases, etc.

Heavy Wire—Per Doz. ....	\$0.30
Light Wire—For smaller spokes and ribs. Per Doz. ....	.20

Covered Wire for Binding—Soft and Pliable, wound on spools. Per spool..... .10

Write for our Special Crepe Paper Rope Booklet of Instructions, Suggestions and Illustrations. It will be mailed Free.

**TRANSPARENT ADHESIVE TAPE**



Gummed Paper for mending torn papers of any kind in books, music, etc.

Per Roll .....	\$0.10
3 Rolls for .....	.25

**Holiday Crepe Paper**

VERY SUITABLE FOR SCHOOL-ROOM DECORATION

**DECORATED CREPE TISSUE**

of Animal and Bird Designs for Busy Work.	
ANIMAL DESIGNS—Per Fold .....	\$0.40
BIRD DESIGNS—Per Fold .....	.40
BUTTERFLY DESIGNS—Per Fold .....	.40
PATRIOTIC FLAG DESIGNS—Per Fold.....	.40
CHILDREN'S DESIGN—Per Fold .....	.40

**CLOTH MENDING TAPE**



A very strong tape for mending Books and Fabrics, etc. Large rolls. No. 3, White; No. 4, Black. Per Roll .....\$0.50



**DECORATED CREPE TISSUE**

For Special Holiday Occasions. In flat folds. 10 feet long, 20 inches wide.

For the following holidays:

Easter	Hallowe'en
Valentine	Thanksgiving
St. Patrick's	Christmas

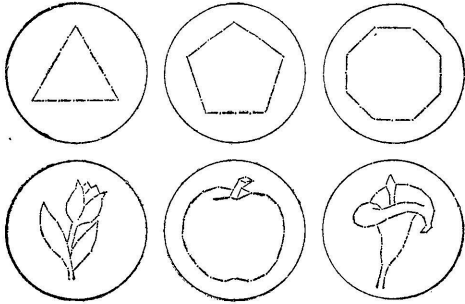
Per Fold .....\$0.40

IT PAYS TO BUY THE BEST

# Kindergarten Supplies and Primary Aids

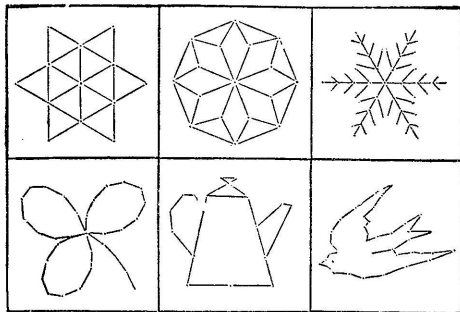
## PRICKED SEWING CARDS

Our outline pricked sewing cards are made with simple and attractive designs, printed in a very light gray ink, on extra quality cardboard and carefully pricked. The assortment of designs is adapted to varied ages and the subjects well graded. Put up in extra strong boxes.



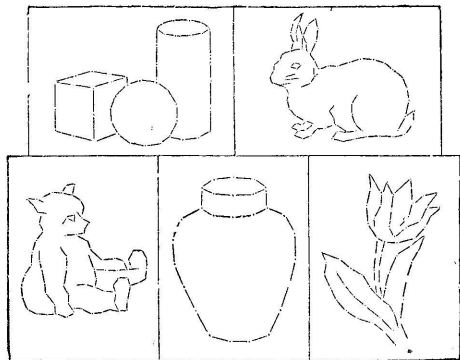
**Set A.**—Circular cards, 3¼ inches diameter. Assorted designs, 100 cards in a box.

Price, per box, 90 cents.



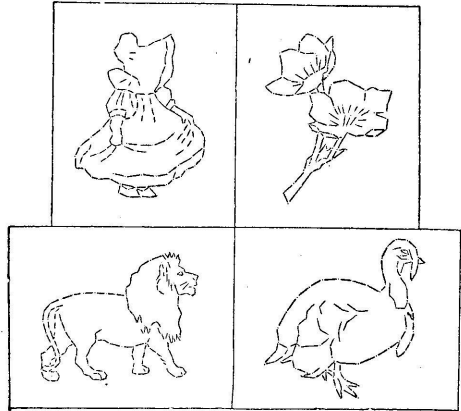
**Set B.**—Cards 3½ inches square. Assorted designs. 100 cards in a box.

Price, per box, 90 cents.



**Set C.**—Cards 4x5½ inches. Assorted designs. 100 cards in a box.

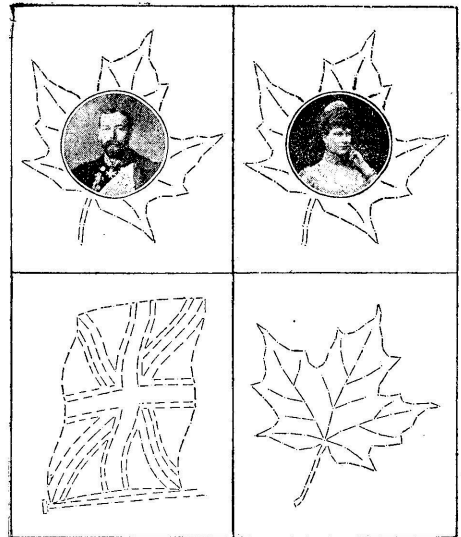
Price, per box, \$1.35



**Set D.**—Cards 5½x7½ inches. Assorted designs. 100 cards in a box.

Price, per box, \$1.90.

## CANADIAN SEWING CARDS



Four new drawings as shown in cut. These designs are artistic, the leaves are exact copies of natural leaves and the portraits are those approved by the King.

Printed on cardboard 6x7 inches and pricked ready for sewing.

<b>Set E.</b> —Per 100 .....	\$2.00
Per dozen .....	.25
Per set of 4 .....	.10

## SILKINE

Per Spool .....	\$0.10
Per Dozen .....	1.15

## SEWING CARD NEEDLES

Sizes 19-24—Per Pkg. ....	\$0.20
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## RAFFIA NEEDLES

Per Pkg. ....	\$0.20
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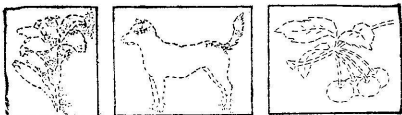
## PERFORATING NEEDLES

No. 276—Perforating Needles with rosewood handle, 2½" long, medium.....	\$0.05
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IF IT'S KINDERGARTEN SUPPLIES—WE HAVE THEM

**SEWING CARDS**

50 Designs—Set F.

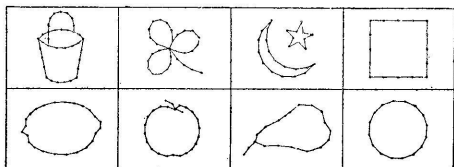


The biggest value ever offered and a very handsome series.

Fifty designs in a set, simple in outline, interesting in subject, and correct in design. Printed on heavy, firm board, they are easy to handle. The outlines are made up of a succession of dashes, the spaces between indicating the points to be pricked for sewing. The set containing so large a number of designs affords an unusual amount of material for the cost. These cards will please any primary teacher both in quality and price.

Price, per set 50 designs, in envelope with directions ..... \$0.50

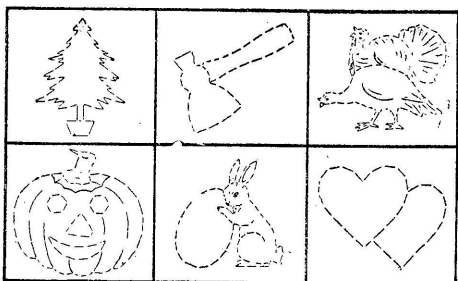
**PUNCHED SEWING CARDS**



These cards are for coarse sewing by beginners and have holes punched all the way through. Printed in outline on cards 4 x 5 1/2 inches, 16 designs and 100 cards in a box.

Set P—Per Box ..... \$1.75

**OUR HOLIDAYS**  
For Sewing and Coloring



A new set of 12 pricked sewing cards, which make souvenirs for Hallowe'en, Thanksgiving, Christmas, St. Valentine's Day and Easter. Printed on cardboard 5 1/2 x 5 1/2 inches, 12 different designs, in an envelope.

Set H.—Per Set ..... \$0.40

**STENCILLING SUPPLIES**

A light weight cotton fabric in Khaki color. It will take water color, dyes, or oil colors with equal readiness.

**STENCIL OR WOOD BLOCK KNIVES**

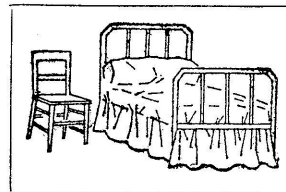
Well made, of best steel. Very serviceable for all manual training work.

Each ..... \$0.40  
Per Doz. .... 4.50

**BRITISH OUTLINE PAINTING AND EMBROIDERY CARDS**

"Household Objects"

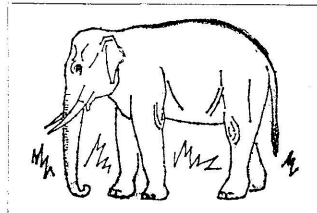
1. Front Door
2. Stairs
3. Table and Vase
4. Arm chair
5. Fireplace
6. Sofa
7. Piano
8. Kitchen-dresser
9. Bed and Chair
10. Chest of Drawers
11. Dressing-table
12. Washstand.



12 Designs, Series No. 753 ..... Price \$ .45

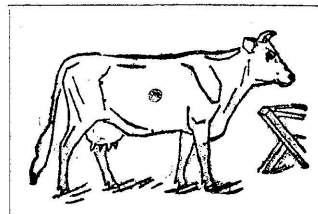
"Inmates of the Zoo"

1. Lion
2. Tiger
3. Elephant
4. Leopard
5. Polar Bear
6. Giraffe
7. Sea Lion
8. Reindeer
9. Camel
10. Rhinoceros
11. Ostrich.
12. Zebra.



12 Designs, Series No. 754 ..... Price \$ .45

"Farmyard Friends" No. 752



1. Horse
2. Chickens
3. Dog
4. Pig
5. Cow
6. Goat
7. Rabbit
8. Turkey
9. Sheep
10. Cat
11. Goose
12. Donkey

12 Designs, Series No. 752 ..... Price \$ .45

**Ye Olde English Nursery Rhymes**

Colored Sewing Cards

Colored Sewing Cards.

Series No. 751, Price .50c

1. Little Boy Blue.
2. Mary Had a Little Lamb.
3. Tom, Tom, the Piper's Son.
4. Little Miss Muffet.
5. Multiplication is Vexation.
6. Hush Baby, my Dolly.
7. Mary, Mary, Quite Contrary.
8. I Had a Little Hobby-Horse.
9. Little Bo-Peep.
10. Robert Barnes, Fellow Fine.
11. To Market, To Market.
12. Little Jack Horner.

Series No. 750, same as above. Uncolored, Price, 45 cents.  
**SETS NOT BROKEN**



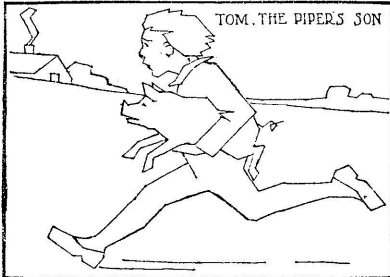
SEND SUFFICIENT MONEY TO COVER POSTAGE

# A New Line of Sewing and Color Cards

In this new line of cards, drawn for us by Marie A. Hull, we are offering a series of sewing and color cards which have more artistic value than any other series we have seen. Compare them with others you know and you will be convinced that these are superior. Each set consists of 12 cards 5x6½ inches, printed on heavy paper of such quality that the pictures may be used for coloring as well as for sewing.

H. & M. Sewing Cards No. 1

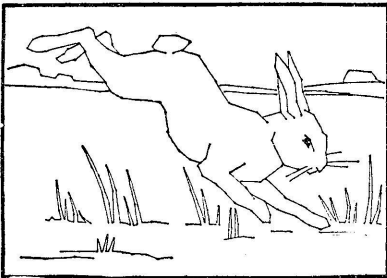
### Mother Goose Series



### Mother Goose Series—No. 1.

This set consists of twelve drawings of the best known Mother Goose characters. They are Old Mother Hubbard, Little Boy Blue, Little Jumping Joan, Curly Locks, Tom, the Piper's Son, Doctor Foster, Peter-Peter Pumpkin Eater, Baa, Baa, Black Sheep, Little Tommy Tucker and others. They are all of prime interest to little folks, and the lines of the drawings are artistic and pleasing. **Price, 20 cents a set.**

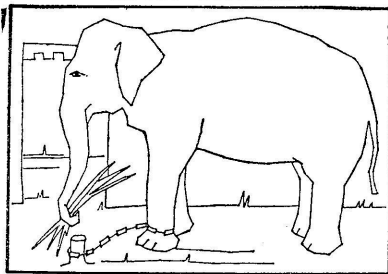
### Peter Rabbit and Brother Bruin Series



### Peter Rabbit and Brother Bruin Series—No. 2.

Because Peter Rabbit and his folks are familiar friends of the little ones and Brother Bruin and Grizzly Bear are also interesting characters to child life this set of sewing cards makes a strong appeal to children. **Price 20 cents a set.**

### Circus - Friends

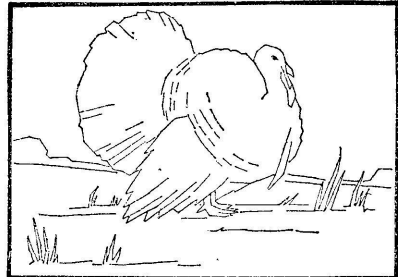


### Circus Friends—No. 3.

A most interesting set for little folks—there are pictures of Jumbo, the elephant; Jocko, the monkey, the seal, the lion, the camel, the tiger, the kangaroo, the hippopotamus, the giraffe, and many other well known circus friends, all in natural surroundings. Twelve pictures in all, and every one of them will please the little folks. **Price, 20 cents a set.**

H. & M. Sewing Cards No. 4

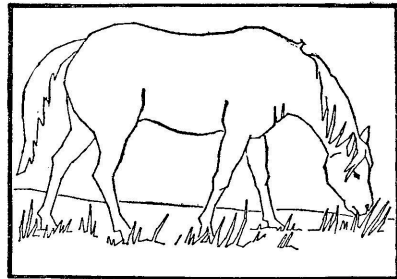
### Familiar - Birds



### Familiar Birds—No. 4.

This attractive set of twelve bird pictures is made up of well known domestic fowls and familiar wild birds of the field and forest. They are all birds of such characteristics that they will be easily recognized by even the youngest children in your classes. **Price, 20 cents a set.**

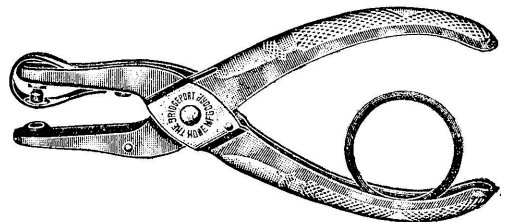
### Familiar - Animals



### Familiar Animals—No. 5

This set is made up of well known animals wild and tame. They are drawn in characteristic attitudes, and though they are intended primarily as sewing cards, they, like the rest of the series, may be used for coloring after the outline of the picture has been sewed. **Price, 20 cents a set.**

## CONDUCTOR'S PUNCHES



High grade, nickelled conductor's punches for perforating papers, cardboard, textiles, etc. **Price ..... \$1.00**

## ALPHABET COPY SLIPS



A copy slip containing the entire alphabet, both capitals and small letters, numerals and punctuation marks, in beautiful, clear script. To be placed before children learning to write, as a reference card of correct forms. Printed on heavy manilla paper, 9½ x 2 in. **Price, per 12 copies, 20 cents.**

WE RETURN ANY AMOUNT OVERPAID



**SOME NEW POSTER PICTURES TO COLOR**

The subjects and titles of these new posters are a practical assurance of their ready sale, and the fact that they are drawn by Marie A. Hull gives further assurance that the sets will please you.

**Fairy Folk Pictures to Color—No. 10**



The graceful lines of these twelve drawings by Marie A. Hull make this set of fairy folk pictures a very interesting and pleasing one for children to color. The characters are fairies and brownies, and as each is associated with some phase of nature life, the pictures are instructive as well as entertaining. Printed on cards of good quality, size 5½x8 inches. **Price 20 cents a set.**

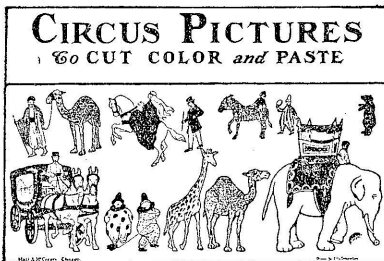
**Sunbonnet Girls and Overall Boys to Color—No. 11**

A glance at these twelve pictures will immediately reveal the fact that Marie A. Hull in her delineation of these familiar characters, has shown the action and life of these folk of the world of the imagination in an unusual and interesting manner. They are shown as actively engaged in such work and play as the child understands and appreciates, hence are useful for language work and story telling, as well as occupational seat work. Pictures are printed on twelve cards 5½x8 inches. **Price 20 cents a Set.**

**PICTURES TO CUT, COLOR AND PASTE**

This is a new series with a new idea, and we have already demonstrated that it is a success. It is a three-in-one proposition and for this reason will be in a large demand. Further, the subjects we have chosen for these pictures are such as appeal to child life.

**Circus Pictures to Cut, Color and Paste—No. 15**



This set of Circus Pictures to Cut, Color and Paste, is, we believe, from the child's standpoint, one of the most interesting sets of pictures that has ever been prepared to cut, color and paste. It consists of 16 cards, each 6x9 inches, with pictures of elephants, monkeys, giraffes, bears, camels, lions, circus wagons and clowns. Color suggestions in story form, are given in connection with each picture. The outlines are simple, therefore the pictures are easy to cut. As a seat work item we believe there is nothing that will prove more fascinating than this set. **Price 20 cents a Set.**

**Peter Rabbit Pictures to Cut, Color and Paste, No. 16.**



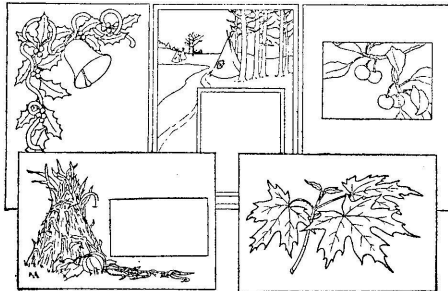
This set, like Circus Pictures to Cut, Color and Paste, is something new in the line of seat work. Peter, his Mother, and Flopsy, Mopsy and Cottontail, the other members of his family, are all well known characters with the little folks. Sufficient text is printed on each card to connect it with the story of Peter Rabbit, and yet each picture is a complete study in itself. The set consists of 16 cards, 6x9 inches.

**Price, 20 cents a Set.**

**Mother Goose Pictures to Cut, Color and Paste—No. 17**

Mother Goose is the best known character in child literature and for this reason Mother Goose Pictures to Cut, Color and Paste is an especially interesting set. It will prove very valuable in primary grades. Each picture tells a wonderful story and is accompanied by the text of the story it illustrates. There are 16 pictures in all, each printed on a card 6x9 in. **Price, 20 cents a Set.**

**BOOKLET COVERS TO COLOR**



Twelve artistic and attractive covers for coloring in water colors or wax crayon. These are engraved from pen drawings; printed on a high grade of tinted water color paper and folded with design on front, each making a complete cover for a booklet 5x7 inches. The designs are sufficiently varied to meet the seasonal demands of the School year.

The inside leaves may be written, drawn or otherwise made up by the pupils upon any paper of the proper size, and the booklet completed by sewing through cover with baby ribbon or silkateen and tying in a bow. The title, if desired, may be lettered with pen and ink.

- |              |                   |
|--------------|-------------------|
| 1. Lilies    | 7. Maple Leaf     |
| 2. Landscape | 8. Holly and Bell |
| 3. Cherries  | 9. Wild Rose      |
| 4. Hiawatha  | 10. Autumn        |
| 5. Goldenrod | 11. Valentine     |
| 6. Japanese  | 12. Chrysanthemum |

**Price, in any assortment, per dozen.....\$0.25**  
**Price, in any assortment, per 100..... 2.25**

**MAGIC WATER COLORS**

An entirely new idea in Water Colors. Booklets of 12 Strips of Paper saturated with concentrated dyes making excellent water colors. Simply wet your brush and use.  
 Per Book ..... **.15**

**NEW DRAWINGS BY BESS BRUCE CLEAVELAND  
CHILDREN OF OTHER NATIONS**



CHINA



SCOTLAND

The world war has brought us much nearer to other nations and this new series of drawings by Miss Cleaveland will help to acquaint children with the costumes of nations about which they hear so much. The series contains 10 outline drawings in black on high grade drawing paper, 6x9 inches, and includes children of—Alsace, Belgium, Holland, Italy, Spain, Japan, China, Russia, Switzerland and Scotland.

Simple directions for coloring are furnished with each set, which is put up in a strong envelope.

Price, per set of 10, ..... \$0.25

**CHILDREN AND THEIR PETS**



In this series Miss Cleaveland has produced one of her best set of drawings showing children playing with pets commonly owned by children. The drawings are simple and charming and easily colored. The pets shown are: Parrots, Puppies, Chicks, Guinea Pigs, Squirrels, Canaries, Lambs, Kittens, Ducks, Rabbits.

The set of 10 drawings, 6x9 inches, is printed on drawing paper and put up in an envelope with full instructions for coloring.

Price, per set of 10, ..... \$0.25

**BIRDS TO COLOR**



KINGFISHER

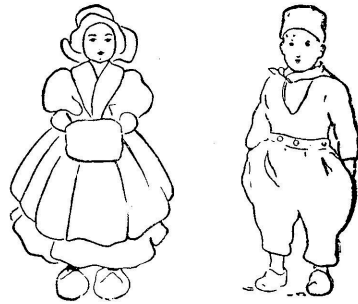


BLUE JAY

Ten commonly known birds have been drawn from nature by Miss Cleaveland for this set and show the birds in characteristic poses. The coloring can be easily done, as full directions are furnished with each set. The set contains: The Robin, Blue Jay, Oriole, Kingfisher, Meadowlark, Cardinal, Tanager, Goldfinch, Blue Bird, Redstart.

Printed on good grade of drawing paper, 6x9 inches, 10 drawings in each set, in an envelope.  
Price, per set of 10, ..... \$0.25

**DRAWINGS TO COLOR**



Contains fifty different designs, printed on separate sheets of water color paper, 6x9 inches. These drawings are mostly in outline, and are from pen drawings made especially for coloring with water colors, crayon or wax crayon. The designs include animals, flowers, leaves, children, etc., all drawn especially for easy and effective coloring.

The attractive, strong envelope in which the set is packed gives simple directions for the proper use of both crayons and water colors, and children are able to make many pleasing and ornamental pictures for home or school use.

Price, per set of 50 drawings, 45 cents.

**BESS BRUCE CLEAVELAND CALENDARS TO COLOR**



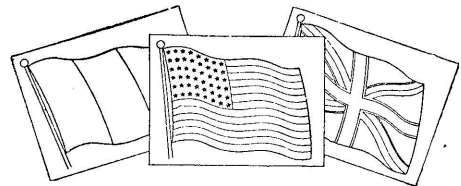
These original designs are some of Miss Cleaveland's best and latest work, simple, charming studies of child life combined with calendar forms for each month of the year, and so simple that they may be very easily colored.

With each set of the calendars is included a full set of easy pen numerals as a copy from which the calendar forms may be neatly filled.

Each calendar is printed on a sheet of water color paper, 6x9 inches in size.

Price, per set of twelve, ..... \$0.25

**FLAGS TO COLOR**



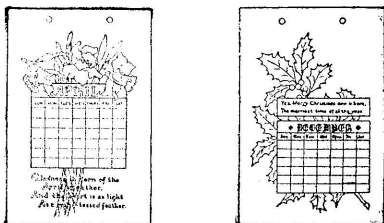
Every child should be able quickly to recognize the flag of other nations as well as their own. Filling in the outlines of this set of flags will help them to do this. The set consists of the flags of the twelve leading nations drawn in graceful outline.

The twelve flags are printed in outline on separate sheets of water color paper, 6x9 inches. Put up in an envelope with full instructions for coloring with either water colors or colored crayons.

No. 505—Price, per set .....\$0.25

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

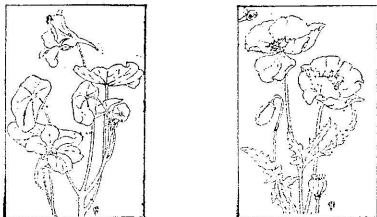
**CALENDAR OF FLOWERS TO COLOR**



Twelve calendar sheets and a top sheet, with floral designs suitable for each month, easily colored, printed on water color paper, 6x9 inches, in an envelope with full directions.

Price, per set, ..... \$0.25

**FLOWERS TO COLOR**

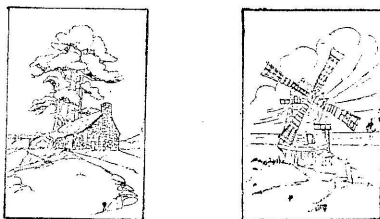


Ten familiar flowers sketched in outline from nature by Bess Bruce Cleaveland. The directions for coloring are simple and any pupil may produce good results. Advanced pupils may make very fine studies with these interesting outlines. The set contains: Tulip, Morning Glory, Wild Rose, Hollyhock, Chrysanthemum, Pansy, Black Eyed Susan, Nasturtium, Sweet Pea, Poppy.

Printed on a good grade of drawing paper, 6x9 inches, 10 drawings in each set, in an envelope.

No. 511 Price, per set of 10.....\$0.25

**LANDSCAPES TO COLOR**



Ten very interesting studies in outline drawn from nature by Bess Bruce Cleaveland. The variety of subjects is sufficient to give very practical work in painting and will interest the beginners, or they may be made into attractive art studies by the advanced pupils.

Printed on a good grade of drawing paper, 6x9 inches, 10 drawings in each set, full directions for coloring, in an envelope.

No. 510. Price, per set of 10 ..... \$0.25

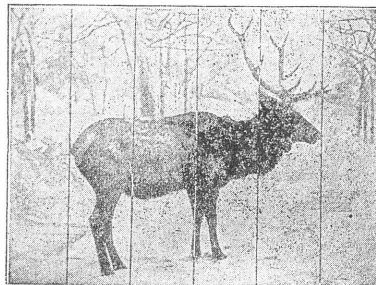
**HOLIDAY DESIGNS TO COLOR**



These ten designs have been prepared by Miss Cleaveland to cover the holidays of the school year. They are charming designs, simple in drawing and easy to color. Children will delight in preparing these as souvenirs, program or booklet covers for the special days, and nothing will add more to the spirit and remembrance of the occasion than so attractive a souvenir. The designs are for Victoria Day, Dominion Day, St. Valentine's Day, Easter Arbor Day, Decoration Day, Flag Day, Halloween, Thanksgiving, Christmas.

Price, per set of 10 ..... \$0.25

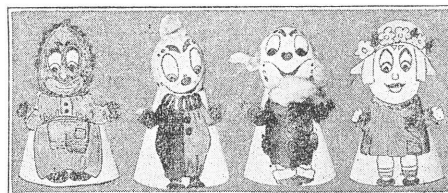
**SECTIONAL ANIMALS AND BIRDS**



Reproductions in natural colors of drawings from nature of 6 animals and 6 birds, finely printed on Cardboard, 7x9 inches, and cut into strips one inch wide. The teacher may increase the difficulty of the occupation by cutting each strip into two or more parts. Each set in paste-board box with colored label.

Set 6 Animals in Box .....\$0.45  
Set 6 Birds in Box ..... .45

**HUMPTY DUMPTY STAND-UPS**



Here is a set of cutouts that furnishes practice in cutting and painting and when finished makes lasting toys or decorations.

The set consists of twelve fat and jolly subjects drawn in outline by Estelle Perkins, and to be colored, cutout, folded and fastened as real stand-up toys. These make excellent Easter toys when made according to directions for decorating eggs to be used to represent the heads and faces.

Printed on a good quality of extra heavy white construction paper, 7½x9 inches, 12 drawings in each set, in a strong kraft envelope, very complete directions.

- 1. Clown
- 2. Clown
- 3. China Boy
- 4. Indian Maid
- 5. Grandma
- 6. Dunce
- 7. Sister Susy
- 8. Priscilla
- 9. Sailor Boy
- 10. Aunt Jemima
- 11. Humpty Dumpty
- 12. Uncle Josh

No. 6060 Per set, in envelope.....\$0.35

**TRY SOME HUMPTY DUMPTY STAND-UPS**

**STICKS FOR STICK LAYING**



These sticks are used to teach numerical proportion and for form work before drawing has been attempted. The sticks are perfectly square and carefully cut in length.

**COLORED STICKS**

These sticks are beautifully colored in the six primary colors. 1,000 sticks in a package.

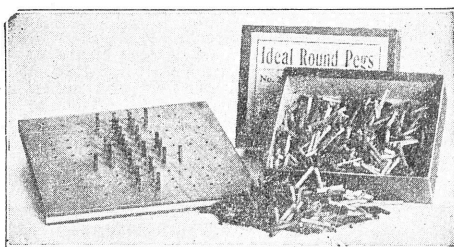
- No. 205—5 inches long, 6 colors.....\$0.80
- No. 204—4 inches long, 6 colors..... .75
- No. 203—3 inches long, 6 colors..... .70
- No. 202—2 inches long, 6 colors..... .65
- No. 201—1 inch long, 6 colors..... .55
- No. 155—Assorted lengths, 1 to 5 inches in a strong pasteboard box, 6 colors. Price, per box..... .60

**PLAIN STICKS**

These sticks are furnished in the natural wood. 1,000 sticks in a package.

- No. 205P—5 inches long.....\$0.70
- No. 204P—4 inches long..... .65
- No. 203P—3 inches long..... .60
- No. 202P—2 inches long..... .55
- No. 201P—1 inch long..... .50
- No. 155P—1 to 5 inches long, assorted..... .60

**PEG BOARDS AND PEGS**

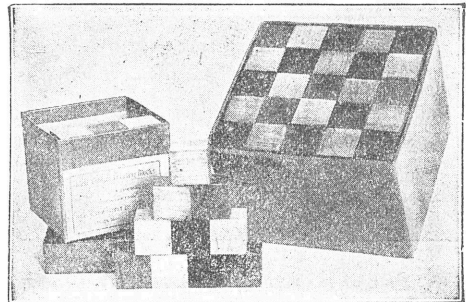


Our peg boards are made of 3-ply, built-up stock, thoroughly seasoned and well finished. The back is covered with a blotter to protect the desks and has printed instructions for use. Each board is punched with 100 evenly spaced holes.

Our pegs are very carefully made and finely colored.

- No. 660—1,000 small round colored pegs. Per box .....\$ .50
- No. 665—3,000 small square pegs, colored. Per Box ..... .50
- No. 1055—1,000 large square pegs, colored. Per Box ..... .50
- No. 66—6x6 inch Peg Board. Each..... .30
- Enlarged Peg Boards, 10x10 inch, with 3-16 inch holes, Each ..... .40
- Enlarged Pegs for same, 2x3-16 inch Round Per box of 100 asst. colors..... .40

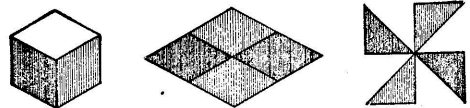
**CUBICAL COUNTING BLOCKS**



One inch cube blocks, made from carefully selected stock, furnished plain or in six standard colors. These blocks may be used to teach numbers, fractions or form and design.

- No. 27C—27 colored cubes in box.....\$0.45
- No. 100P—100 plain cubes in a box..... 1.20
- No. 100C—100 colored cubes in a box..... 1.50
- No. 500C—500 colored cubes in a box..... 6.50

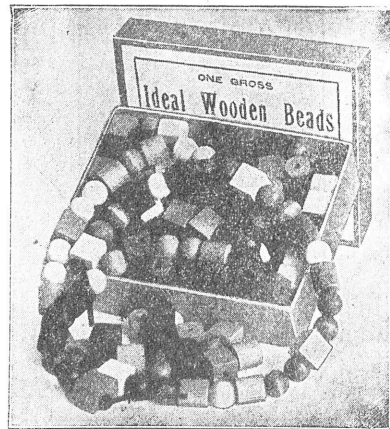
**PARQUETRY BLOCKS**



Wooden tablets, made of half square and diamonds, and colored in 6 standard colors. With these blocks most artistic and instructive designs may be made. Put up in strong pasteboard boxes, each containing suggestive designs.

- No. 701—250 blocks, 1 inch long, 6 colors....\$ .55
- No. 700—80 blocks ..... .30

**WOODEN BEADS FOR STRINGING**



No. 740—144 assorted 1/2 inch beads, spheres, cubes, and cylinders in the 6 primary colors. A hole is bored through the center to permit stringing. An interesting and practical item. **One gross, assorted, in box, 75c.**

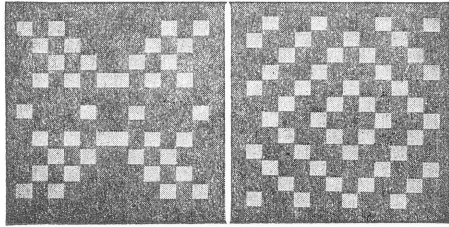
No. 742—1000 Assorted forms in strong pasteboard box. Per box ..... \$3.00

**SHOE LACES—For Stringing Beads**

One dozen long cotton laces, assorted Colors .95c  
One dozen long cotton laces, uncolored .50c

*WE SELL FROM COAST TO COAST*

**INDUSTRIAL WEAVING MATS**



**STANDARD COLOR SERIES**

A new series of mats made of tinted construction paper and using the six standard colors for fringes and six other attractive colors for the mats. With this new set brighter and more varied effects are obtainable. The mats are 6½x6½ inches, the fringe slits are ½ inch apart, 24 mats and 24 fringes are put up in a strong envelope. No needles required with these mats.

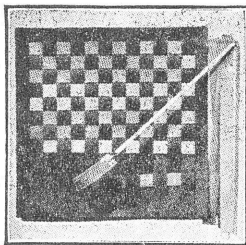
**No. 12S.** 24 Mats, 24 fringes, assorted, in an envelope .....\$0.40

Made of tinted construction paper. These mats, size 7x7 inches, are put up in strong envelopes, 25 mats all one color, cut ready for use, ½ in. slits. The 25 fringes are solid, but printed to show the cutting line. The fringes are of assorted colors, which contrast with the mats and produce very pleasing effects. No needles are required with these mats.

**No. 125.** 25 gray mats, 25 fringes, assorted, in an envelope .....\$0.40

**No. 12G.** 25 brown mats, 25 fringes, assorted, in an envelope .....\$0.40

**WEAVING MATS**



Made of coated paper. Each package contains twelve mats and twelve fringes. Six standards, with tints and shades and gray.

**Mats 7x7 inches**

- No. 130**—Slits, 1-3 inch wide ..... .40
- No. 131**—Slits, ½ inch wide ..... .40
- No. 132**—Slits, ¼ inch wide ..... .40

**Mats 4¾x4¾ inches**

- No. 133**—Slits, ½ inch wide ..... .25
- No. 134**—Slits, ¼ inch wide ..... .25

**PRANG WEAVING PAPERS**

In 20 assorted colors and are uniform in color, texture and quality with Prang Colored Construction Paper.

The strips are heavy enough to weave without a needle.

Each strip has printed guide lines as an aid to the children in preparing the mats and strips.

The papers may be used with Prang Water Colors, Crayons or Tempera Colors.

In Books 9x9 inches.

Per Book ..... \$0.40

**OILCLOTH WEAVING MATS**

These mats are offered in response to a demand for a mat that beginners may use and that will not tear. Made of fine grade white oilcloth, 7x7 inches, ½ inch slits, and are to be woven with wooden slats. When used with the colored slat the effect is very pleasing and they may be used many times and are easily cleaned

**12 mats in a package.** Per pkg. .... \$0.95

**WEAVING NEEDLES**



These steel Weaving Needles are recommended for use with mats and fringes made of coated paper. The paper is held firmly, the weaving easily done, and the danger of tearing is much less.

Length of Needles 8¼ inches.

**No. 1300.** Price, each .....\$0.07

**No. 1300.** Price, per dozen ..... .75

**No. 1300.** Price, per gross..... 8.00

**PAPER STRIPS FOR LACING, WEAVING AND DAISY CHAINS**



This is the same grade of paper and the same assortment of colors as in our Folding Paper, 100 pieces in a package.

**No. 815.** ½ in. wide, 20 in. long.....\$0.20

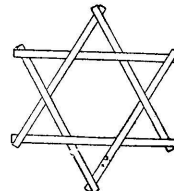
**No. 816.** 1 in. wide, 20 in. long..... .25

**Daisy Chain Outfit No. 7030**

This set contains 5 packages of strips. One package of 100 pieces ¾ inch wide by 5 inches long, assorted colors. One package same as above except the package is ½ inch wide instead of ¾ inch. One package contains 100 pieces ¼ inch wide by 5 inches long, Red, White and Blue colors. 1 package ½ inch wide Red, White and Blue, and 1 package ¼ inch by 5 inches long Red and Green. 1 Tube of paste put up in neat strong box.

**No. 7030**—Daisy Chain Outfit—per box..... .45

**WEAVING SLATS**



These slats are made of selected hardwood of even thickness and carefully cut to a uniform width. The colored slats are in the six standard colors.

**No. 300**—100 slats, 10 inches long, hardwood plain .....\$0.30

**No. 301**—100 slats, 10 inches long, hardwood six colors ..... .40

GIVE THE CHILD A CHANCE TO DEVELOP ARTISTIC INSTINCTS

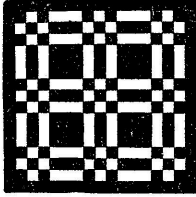


## WEAVING

(Important—Read This)

In this occupation the material consists of a sheet of paper, slit into strips joined by a margin at each end, called a mat, and a series of similar strips which formerly were joined at one end and therefore called a fringe, but which are now joined at both ends for security in handling. The fringe differs but little in appearance from the mat, except that in fine cutting there is no margin on the sides as in the mat.

Each of the following numbers indicates one package, containing twelve mats and twelve fringes:



**Mats, 7 x 7 inches. Slits ½" wide.**

**Price per package, 35c**

- 999—Red with Tints and Shades.
- 999—Orange with Tints and Shades.
- 999—Yellow with Tints and Shades.
- 999—Green with Tints and Shades.
- 999—Blue with Tints and Shades.
- 999—Violet with Tints and Shades.
- 1000—R.O.Y.G.B.V. with Tints and Shades and Grays.
- 1005—Black and White.
- 1006—Grays.
- 1007—Mats, Neutral Grays 1 and fringes made up of the standards.

**Mats, 7 x 7 inches. Slits 1-3" wide.**

**Price per package, 35c**

- 1009—Red with Tints and Shades.
- 1009—Orange with Tints and Shades.
- 1009—Yellow with Tints and Shades.
- 1009—Green with Tints and Shades.
- 1009—Blue with Tints and Shades.
- 1009—Violet with Tints and Shades.
- 1010—R.O.Y.G.B.V. with Tints and shades and Grays.
- 1015—Black and White.
- 1016—Grays.
- 1017—Mats, Neutral Grays 1 and Fringes made up of the standards.

**Mats, 7 x 7 inches. Slits ¼" wide.**

**Price per package, 35c**

- 1019—Red with Tints and Shades.
- 1019—Orange with Tints and Shades.
- 1019—Yellow with Tints and Shades.
- 1019—Green with Tints and Shades.
- 1019—Blue with Tints and Shades.
- 1019—Violet with Tints and Shades.
- 1020—R.O.Y.G.B.V. with Tints and Shades and Grays.
- 1025—Black and White.
- 1026—Grays.
- 1027—Mats, Neutral Grays 1 and Fringes made up of the standards.

**Mats 7 x 7 inches. Slits ½" and ¼" wide.**

**Price per package, 35c**

- 1029—Red with Tints and Shades.
- 1029—Orange with Tints and Shades.
- 1029—Yellow with Tints and Shades.
- 1029—Green with Tints and Shades.
- 1029—Blue with Tints and Shades.
- 1029—Violet with Tints and Shades.
- 1030—R.O.Y.G.B.V. with Tints and Shades and Grays.
- 1035—Black and White.
- 1036—Grays.
- 1037—Mats, Neutral Gray 1 and Fringes made up of the standards.

**Mats 5 x 7 inches. Slits 1-3" wide.**

**Price, per Package, 35c.**

- 1039—Red with Tints and Shades.
- 1039—Orange with Tints and Shades.
- 1039—Green with Tints and Shades.
- 1039—Blue with Tints and Shades.
- 1039—Yellow with Tints and Shades.
- 1039—Violet with Tints and Shades.
- 1040—R.O.Y.G.B.V. with Tints and Shades and Gray.
- 1045—Black and White.
- 1046—Grays.
- 1047—Mats, Neutral Gray 1 and Fringes made up of the standards.

**Mats 5 x 7 inches. Slits ¼" wide.**

**Price, per Package, 35c.**

- 1049—Red with Tints and Shades.
- 1049—Orange with Tints and Shades.
- 1049—Yellow with Tints and Shades.
- 1049—Green with Tints and Shades.
- 1049—Blue with Tints and Shades.
- 1049—Violet with Tints and Shades.
- 1050—R.O.Y.G.B.V. with Tints and Shades and Grays.
- 1055—Black and White.
- 1056—Grays.
- 1057—Mats, Neutral Gray 1 and Fringes made up of the standards.

**Mats 5 x 7 inches. Slits ¼" and ½" wide.**

**Price, per Package, 35c.**

- 1079—Reds with Tints and Shades.
- 1079—Orange with Tints and Shades.
- 1079—Yellow with Tints and Shades.
- 1079—Green with Tints and Shades.
- 1079—Blue with Tints and Shades.
- 1079—Violet with Tints and Shades.
- 1080—R.O.Y.G.B.V. with Tints and Shades and Grays.
- 1085—Black and White.
- 1086—Grays.
- 1087—Mats, Neutral Grays 1 and Fringes made up of the standards.

**Mats 4¼ x 4¼ inches. Slits 1-3" wide.**

**Price, per Package, 25c**

- 1099—Red with Tints and Shades.
- 1099—Orange with Tints and Shades.
- 1099—Yellow with Tints and Shades.
- 1099—Green with Tints and Shades.
- 1099—Blue with Tints and Shades.
- 1099—Violet with Tints and Shades.
- 1100—R.O.Y.G.B.V. with Tints and Shades and Grays.
- 1105—Black and White.
- 1106—Grays.
- 1107—Mats, Neutral Grays 1 and Fringes made up of the standards.

**Mats 4¼ x 4¼ inches. Slits ¼" wide.**

**Price, per Package, 25c**

- 1109—Red with Tints and Shades.
- 1109—Orange with Tints and Shades.
- 1109—Yellow with Tints and Shades.
- 1109—Green with Tints and Shades.
- 1109—Blue with Tints and Shades.
- 1109—Violet with Tints and Shades.
- 1110—R.O.Y.G.B.V. with Tints and Shades and Grays.
- 1115—Black and White.
- 1116—Grays.
- 1117—Mats, Neutral Grays 1 and Fringes made up of the standards.

**Mats 4¼ x 4¼ inches. Slits ½" and ¼" wide.**

**Price, per Package, 25c.**

- 1139—Red with Tints and Shades.
- 1139—Orange with Tints and Shades.
- 1139—Yellow with Tints and Shades.
- 1140—R.O.Y.G.B.V. with Tints and Shades and Grays.
- 1145—Black and White.
- 1146—Grays.
- 1147—Mats, Neutral Grays 1 and Fringes made up of the standards.

PUPILS LIKE WEAVING MATS



### STORY AND SEAT WORK WITH PATTERNS

By Mary Eleanor Ross

A Book Every Primary Teacher Should Have

There is an abundance and variety of work for each month of the school year from September to June. There are many delightful children's stories, old and new, with language hints and blackboard lessons, memory gems and material for nature lessons, each group centering about some definite topic as a correlation point.

Throughout the book are suggested forms of seat work, cutting, sewing, making, etc., appropriate to the subject covered in the story or language work.

A novel feature of the book is a series of patterns for the busy work suggested. These patterns are printed on heavy cardboard, to be cut out and used by the teacher or pupil in preparing much of the material needed in the seat work. 112 pages, paper cover.

Price, Book and Patterns, complete, 45 cents.

### REED'S CARDBOARD OBJECTS



Each card has pictures in colors of 12 animals and objects on heavy tag manilla.

Exceptionally good for number work, drawing, painting or cutting.

SPECIAL PRICE—Per Doz. Sheets, 20 cents

### SILHOUETTE DESIGNS



Twenty sheets of black silhouette paper, 10x12 inches, with outline drawings printed on the white reverse side. Seventy animals, birds, children and other designs are included. The designs are to be cut out and used for making posters, borders, etc., which can be made very useful in primary language, number and drawing.

Price, per set in envelope, 40 cents.

### RAINY DAY PLAY

Silhouette



Sixty-three silhouette designs of animals and birds, copied from paintings by Rosa Bonheur, Landseer and others.

Each set contains 20 sheets, 9x12 inches, with designs printed on the white reverse side of black silhouette paper. In an attractive envelope.

Price, per set, 40 cents.

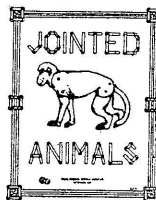
### MOTHER GOOSE SILHOUETTES



Twelve artistic drawings in outline of Mother Goose favorites, printed on the white reverse side of black silhouette paper. To be cut out and mounted for scrap-book illustrations, posters, schoolroom or nursery borders, etc. The drawings, 10x12 inches, are full of life and carry out the spirit of the familiar rhymes perfectly.

Price, per set in envelope, 40 cents.

### JOINTED ANIMALS



Ten animals drawn by Bess Bruce Cleaveland in sections to be cut out and jointed, making movable toys. This is not a set of grotesque outlines, but is true to nature and when the animals are colored according to directions the set has a real educational value.

The animals in the set are: The Monkey, Lion, Giraffe, Camel, Rhinoceros, Kangaroo, Fox, Horse, Cow and Sheep. Printed on a good quality of cardboard, stiff enough to stand alone, size 7x9, fasteners furnished with each set, which is put up in an attractive box.

Price, per set, 45 cents.

### MERIT CARDS

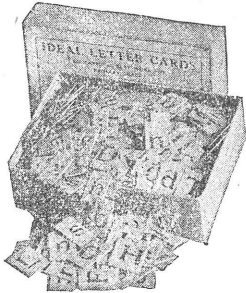


These may be given for meritorious work of any kind. When five are received, exchange them for a Five Merit Card. The Five Merit Cards are exchanged similarly for a Twenty-five Merit Card, and these in turn for a One Hundred Merit Card. These may be exchanged for a little Diploma, 6½x8 inches, very neat, and having spaces for pupil's name, date, teacher's name, etc.

One Merit Card. Per 100.....	\$0.20
Five Merit Cards. Per 100.....	.40
Twenty-five Merit Card. Per dozen.....	.35
One Hundred Merit Card. Per dozen.....	.35
Certificate of Honor. Per Dozen.....	.25
Good, Perfect, and On Time Cards.	
Each, Per 100.....	.20

PRIMARY WORK IS A FOUNDATION TO SUCCESSFUL EDUCATION

**WORD BUILDERS  
LETTER CARDS—IN BOXES**



A careful assortment of Capitals, small letters and punctuation marks for use in word making. Printed in large, clear type on a tough ticket board which is firmer and more durable than the board used in any other set. The letters are so cut as to form a word as it appears on the printed page, and not spread out as in many sets. The same letter is printed on both sides of the card.

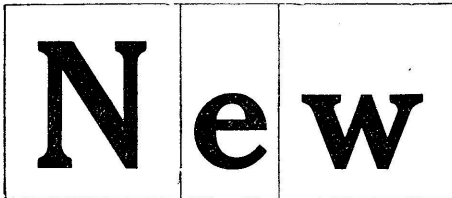
Price, in pasteboard box, 25 cents.  
Per Dozen Boxes, \$2.75

**LETTER CARDS, IN STRIPS**

Same as above, but printed on strips of cardboard  $\frac{3}{4}$  of an inch wide; the letters are to be cut apart by the children.

Price, per set, 15 cents.

**LARGE TYPE LETTER CARDS**



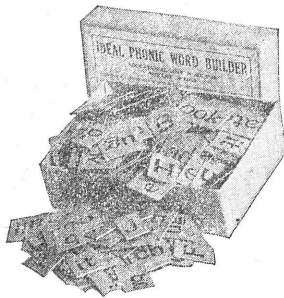
The cards are printed in a large bold face type on light gray, 6-ply, strong cardboard. The capitals are on cards 1 inch square and the small letters on cards  $\frac{1}{2} \times 1$  inch. The large type and heavy board makes this a most satisfactory set for the use of the younger pupils. The thickness of the cardboard makes it easy to pick up a card and they will last much longer than the sets printed on lighter board.

Each set contains a large assortment of both capitals and small letters, also punctuation marks. Put up in a neat, strong box.

No. 248. Price, per set..... \$0.50

**PHONIC WORD BUILDER  
(In Boxes)**

An entirely new phonic set for individual seat work, especially designed for beginning classes. The set consists of initial combinations, initial phonograms and final combinations, 260 in all, and will afford excellent drill preparatory to the use of any primer or first reader. The same type, cardboard and plan of printing is used in these as in the Ideal Letter Cards, which may be used in combination with them if desired.



Price, per set, in box, 25 cents  
Per Dozen Boxes \$2.75

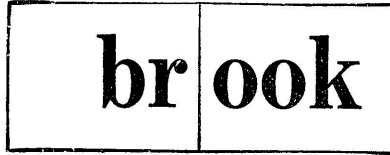
**PHONIC WORD BUILDER  
(In Strips)**

This set is the same as the foregoing, except that it is printed on strips  $\frac{3}{4}$  inch wide, ready for cutting by the pupil.

Price, per set, 15 cents.

**UNIVERSAL PHONETIC WORD  
CARDS**

Adapted for Use with Any Series of Readers



Designed for individual drill in the use of those phonetic combinations most frequently occurring in the first and second reader vocabularies. The assortment of cards in each set is such as to permit the building of more than one hundred words at one time. Over six hundred different words are possible with the two sets.

The cards are printed from beautiful, clear type on heavy Manilla tag board. Each card is alike on both sides.

Set No. 1 contains 24 of the simplest phonograms duplicated from three to eight times. Also about 80 initial consonants and 18 of the most commonly used two-letter initial combinations, making altogether over 250 separate cards, building more than 300 different words.

Price per box, 35 cents.

Set No. 2 contains 34 three and four-letter phonograms duplicated three to six times. Also 112 consonants and initial combinations, including duplicates. This set will build nearly 400 different words. It is a little more advanced and is intended to follow Set No. 1.

Price per box, 35 cents.

**PHONIC DRILL CARDS**



Fifty-six word-family combinations of phonograms taken from the primer and first reader vocabularies. They are printed on 3x5 inch Manilla cards in type large enough to be clearly seen from all parts of a class-room. Used by the teachers as "flash" or perception cards for rapid drill in the recognition and pronunciation of these common phonic elements.

Price, per set, 50 cents.



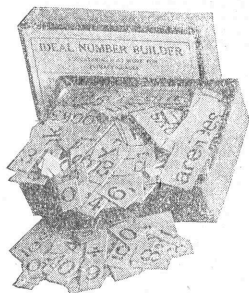
**STRAW AND PAPER  
FOR STRINGING**

Our straws are the seamless wax paper straws which do not crack or break and may be used many times. Papers for stringing are cut from engine paper, and of a variety of interesting shapes and colors.

- No. 315—100 paper straws,  $8\frac{1}{2}$  inches long, per pkg. ....\$0.40
- No. 317—1,000 paper straws,  $\frac{3}{4}$  inch long, per pkg. .... .75
- No. 325—1,000 colored paper forms, assorted squares, circles and diamonds, in an envelope ..... .40
- No. 7020—An attractive partitioned box containing 500 straws and sufficient extra bright colored paper.... .60

**ORDERS FILLED PROMPTLY**

**NUMBER CARDS—In Boxes**



Figures and arithmetical signs for pupils' use in number building. The only set on the market with which any of the multiplication tables, 2's to 12's, can be built.

Printed on both sides of tough ticket board in bold, clear figures.

Price, per box ..... \$0.25  
 Price, per dozen boxes..... \$2.75

**SENTENCE BUILDER**

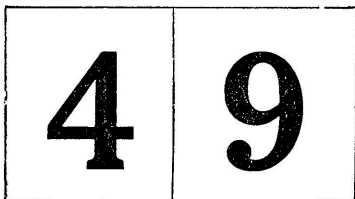
A carefully selected list of about 250 primer and first reader words, etc., including duplicates, printed in first reader type on both sides of cardboard.



With this set of words most of the sentences given in the early part of a first reader may be built, as well as many original or dictated sentences. Of great value in fixing word forms in the pupil's mind.

No. 245—Price, per box.....\$0.25  
 No. 245—Price, per doz. boxes 2.75

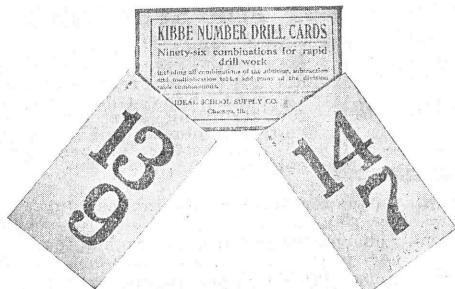
**Large Type Number Cards**



A new set of Number Cards printed on heavy, tough, light gray cardboard in large bold faced type. The set comprises a large assortment of numbers with a good supply of arithmetical signs, over 275 cards one inch square, put up in a neat, strong box.

No. 249—Price, per set, 50 cents.

**KIBBE NUMBER DRILL CARDS**



These cards are designed for "flash" or rapid drill exercises.

For accurate, rapid work in arithmetic which modern business demands, the common number facts must be made so familiar that their recall becomes immediate and unerring.

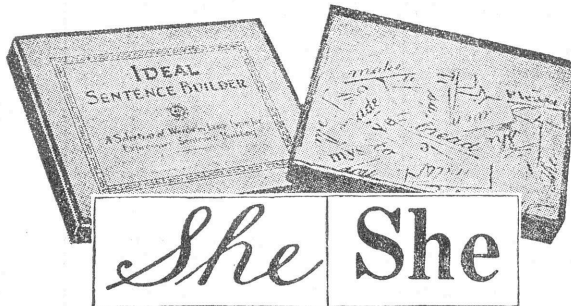
**MOYER'S "EMPIRE" SCRIPT WORD BUILDERS No. 260W.**



EXACT SIZE

A new Box of Word Builders containing about 350 pieces. Bold type on one side and script on the reverse. Capitals, Small Letters, Figures and Punctuation Marks. In a very substantial and attractive box. Price, each..... 30c

**MOYER'S "EMPIRE" SCRIPT SENTENCE BUILDERS No. 261S**

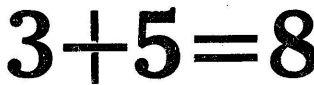


EXACT SIZE

A new Box of Sentence Builders, printed on both sides, Medial script on one side and Print type on the reverse. The words chosen provide a very complete vocabulary for young children.

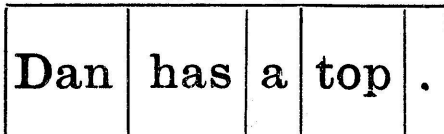
Put up in a very substantial and attractive Box.  
 Per Box ..... 30c  
 (The above two boxes ready July 1st.)

**NUMBER CARDS, IN STRIPS**



Same as above, but printed on strips to be cut apart by the pupils.  
 Price, per set .....\$0.15  
 Price, per doz. sets 1.65

**SENTENCE BUILDER IN STRIPS**

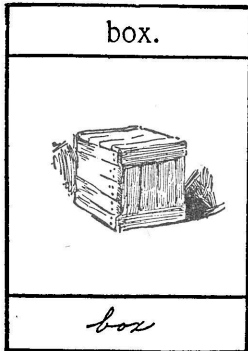


Ideal Sentence Builder in strips same as above, but printed on strips of cardboard, to be cut into single words by the pupil.  
 No. 245S. Price, per set.....\$0.15  
 No. 245S. Price, per dozen sets..... 1.65

The Kibbe Number Drill Cards are the best possible device for accomplishing this result. Ninety-six two-number combinations are printed in type 1 1/2 inches high on strong Manilla cards, 3x5 inches. These include all the combinations of the addition, subtraction and multiplication tables, and also many of the combinations of the division tables.  
 Price, per set, 40 cents.

EVERYTHING FOR THE SCHOOL

**PICTURE CARDS**



Upon each card is a picture reproduced from an original pen drawing of the object represented.

Above the picture is the name of the object in print, while below the picture the name is repeated in script. When used, one or both the names should be cut off, the cards mixed and then given to the child to place with the proper pictures again. A large number of common words, printed and written, are thus most pleasantly fixed in the child's mind.

Three sets, each containing twenty-four cards, in a pasteboard box.

- Set No. 1—Animals, Birds, etc.
- Set No. 2—Fruits, Flowers, Vegetables.
- Set No. 3—Common Forms and Objects.

Price, per set, 25 cents.

**FORM CARDS**

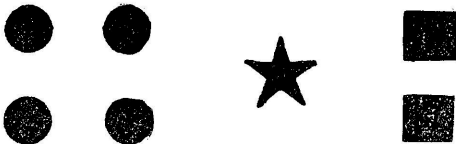
In this set the sphere, cube, cylinder, cone and pyramid are included as type forms, and each is illustrated by a number of pictures of familiar objects in whose outlines the type form is conspicuous. The child is given a type picture, the cube, for instance, and a number of other pictures from which he selects those resembling the type form. This not only affords interesting occupation, but leads the pupils to observe the type forms in other objects that come to their attention.

The cards may also be used for word drills in the same manner as the Picture Cards.

Twenty-five cards in pasteboard box.

Price, per box, 25 cents.

**GUMMED DOTS**



Gummed Dots are 1/4 inch in diameter, cut from gummed coated paper, in the six standard colors assorted.

Teachers find many uses for these gummed dots, among which is the making of cards for simple drill on number recognition and combination.

Five hundred assorted, in an envelope.

No. S1—Price, per envelope.....\$0.25

**GUMMED SQUARES**

These squares are made to use with the Gummed Dots and are 1/4 inch in diameter. Cut from gummed coated paper, in the six standard colors assorted, five hundred in an envelope.

No. S2—Price, per envelope .....\$0.25

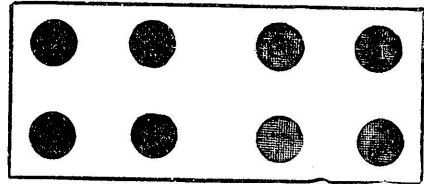
**IDEAL GUMMED STARS**

Gummed Stars cut from gummed coated paper, 1/2 inch, six standard colors assorted, five hundred in an envelope.

No. S3—Price, per envelope.....\$0.30

**DOMINO CARDS**

For Simple Seat Work in Numbers



Cards in domino form make an attractive and useful method of drilling children upon the simplest number facts. Domino Cards contain all the combinations to 10, and may be used in a number of interesting ways both for oral and seat work with first or second grade children. Considerable oral drill suitable for third grade classes is also possible with them.

The full set of 34 dominoes is printed on a sheet of heavy manilla board, 8x9 inches, to be cut up for use. On the envelope many suggestions for their successful use are given.

12 sets in envelope, 30 cents.

**GUMMED CIRCLES**

For Making Domino Cards

In connection with the Ideal Domino Cards, the teacher can use large domino cards of her own making to great advantage. For this purpose we put up gummed circles one inch in diameter, cut from the six standard colors of coated paper. They can be pasted upon any light colored cardboard or heavy paper.

Five hundred in strong envelope, assorted.

No. 80—Per envelope.....\$0.35

**BUSY WORK STENCILS**



Very simple outline pictures, perforated on bond paper, 5x6 inches, for making sewing cards, patterns for drawing or coloring, illustrated reading lessons, etc. Twenty designs in each set. The designs may be transferred many times to paper, cardboard, slate, cloth or blackboard. For transferring to blackboard use chalk filled eraser. On other material, use Stamping Powder. These sets are all new and are superior to any similar sets on the market.

- Set 1—Flowers and Leaves.
- Set 2—Fruit and Vegetables.
- Set 3—Animals and Fish.
- Set 4—Birds and Butterflies.
- Set 5—Familiar Objects.
- Set 6—Sunbonnets and Overalls.
- Set 7—Indian and Eskimo.
- Set 8—Children and Brownies.
- Set 9—Thanksgiving and Christmas.

Price, per Set, .....\$0.20

9 Sets for ..... 1.50

**STAMPING POWDER**

For transferring Busy Work Stencils. In packages containing a sufficient quantity for many designs.

Price, per package, 20 cents.

FIRST IN QUALITY AND SERVICE



## Better Speech Series PRACTICE AND DRILL CARDS

In the present nation-wide movement for "Better Speech," one fact has been demonstrated beyond possible doubt, namely: that the use of correct English must become a **habit**; and that this habit is most readily formed by a continued repetition of correct forms.

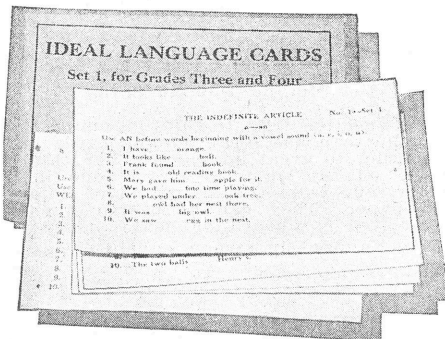
The four sets of exercises included in this "Better Speech" series have been constructed for the express purpose of providing interesting drill upon—

1. Those forms and expressions most frequently misused.
2. The most common errors in oral speech.
3. An extended and enriched vocabulary.

The scope of these exercises and the method of presentation are such as to permit their use supplementary to any series of textbooks in English. Much of the material included in the nearly two hundred exercises will not be found in any of the regular school texts, but has proven exceptionally valuable in training mind and organs of speech to better habits in the use of English. In every school there is the opportunity for "Better Speech" through the use of these interesting and valuable exercises.

### LANGUAGE CARDS

#### Set 1—Grades Three and Four



It is the purpose of the **Language Cards** to provide the material by which the entire class or the individual pupil may be given the kind and amount of drill needed to fix proper forms of expression and correct idioms definitely in the mind.

Fifty separate exercises, which may be either oral or written, comprise the series, each covering some weak point or common error in the use of English, including the simpler irregular verbs, homonyms and commonly misused words.

This set consists of fifty 3½x6 inch cards of strong manilla, put up in a neat box and with full directions for use.

No. 250—Price, per set, 65 cents.

### LANGUAGE CARDS

#### Set 2—Grades Four and Five

Continuing the work of Set 1, the fifty exercises comprised in Set 2 include some of the more difficult homonyms; studies of many words often used wrongly; choice of words for definiteness and smoothness of expression; difficult plurals and the irregular verb forms commonly misused.

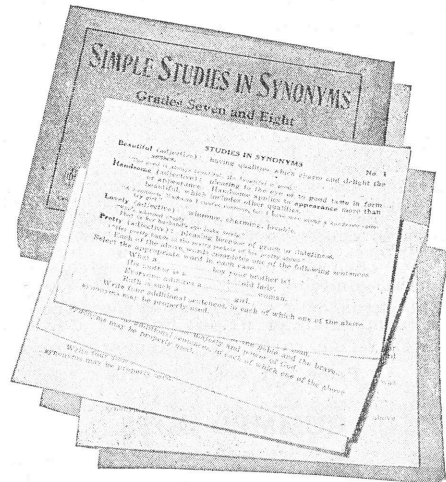
The exercises in these two sets cover all the most common errors in every day speech. They have been prepared especially for effective written and oral drill. They may be used to advantage either with a class or in individual seat work.

The set consists of fifty 3½x6 inch cards of strong manilla, put up in a neat box and with full directions for use.

No. 251—Price, per set, 65 cents.

### SIMPLE STUDIES IN SYNONYMS

#### Grades Seven and Eight



In the closing grades of the elementary school, pupils should have acquired a fair knowledge and use of correct English both in writing and in speaking. Many children, especially those of foreign birth or parentage, have a very limited vocabulary, often inadequate for the ready understanding and appreciation of the literary studies of the grade.

"Studies in Synonyms" leads the children pleasantly into an appreciation of the nice differences in meaning and the careful selection of words that mark the works of the best writers and distinguish the speech of the cultured from that of the ignorant; and gives them a usable knowledge of a large number of desirable words.

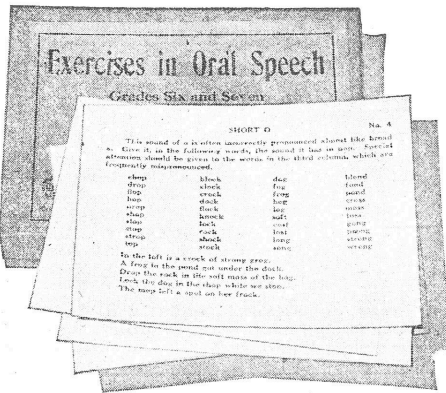
The fifty exercises include work in word comparison and selection, literature, use of dictionary and original sentence construction. As individual seat or home work for pupils of seventh or eighth grade nothing more interesting or beneficial could easily be found.

Full directions for the use of the cards accompany each set. A set consists of 50 strong manilla cards 4½x6 inches, put up in a neat box.

No. 253—Price, per set, 65 cents.

IF IT'S KINDERGARTEN MATERIAL—WE HAVE IT

**EXERCISES IN ORAL SPEECH**  
GRADES SIX AND SEVEN



Oral or spoken language presents difficulties not met with in written language, difficulties of pronunciation, articulation and enunciation, difficulties arising from bad habits and ignorance in the use of the vocal organs, difficulties occasioned by lack of culture, by carelessness and by unfamiliarity with the English language.

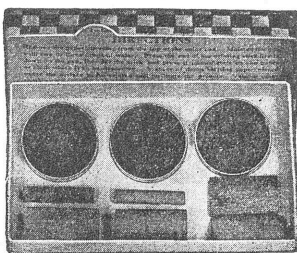
It is to correct such conditions as these that the Exercises in Oral Speech were especially prepared. They are different from any other series of exercises in language. Their purpose is to better enable children to speak with distinctness and clarity, to talk in a cultured rather than an ignorant manner. Many children are handicapped through life by habits of speaking, which a little training at the proper time might have corrected.

These exercises, all oral, can be given daily with little expenditure of time and real enjoyment for teacher and pupils, a lively, restful, joy-giving drill with a real purpose behind it.

A set consists of 42 cards, 4 1/2 x 6 inches, printed in clear type on strong manilla and put up in a box with full directions for use.

No. 252—Price, per set, 65 cents.

**PRANG STICK PRINTING SET**



PRANG STICK PRINTING SET I

Consists of three Metal Color Pans, each filled with felt pads saturated with Red, Blue, and Yellow Dyes respectively. Also six Printing Sticks 1 inch long, of which two are square, two are round, one triangle, and one oblong.

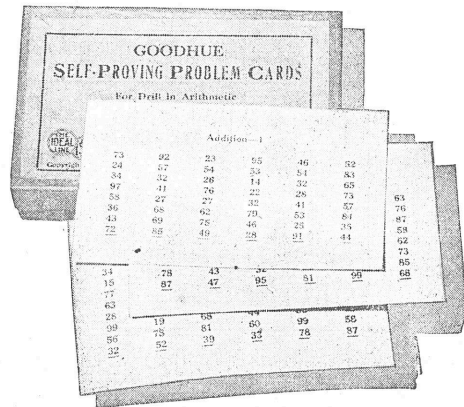
Per Set .....\$0.25  
Per Dozen ..... 2.75

**STICK PRINTING DYES**  
FOR REFILLING PADS

2 oz. Bottle, Three Colors—Per Bottle.....\$0.45

Separate Sticks May Be Purchased at a very Low Cost

**SELF-PROVING PROBLEM CARDS**



A pupil should acquire in the third and fourth grades a mastery of the four fundamental operations. Without this knowledge, he is handicapped in all his later work in Arithmetic. Much practice is needed on fairly simple problems to accomplish this result.

The purpose of this set of drill cards is to supply abundant material for practice in Addition, Subtraction, Multiplication and Division, simple enough to avoid discouragement and comprehensive enough to cover all the difficulties in these operations.

The self-proving feature makes these cards of special value to both teacher and class. Since each card has a different set of problems, every child must work independently. There can be no copying or exchanging of results. When the papers are inspected by the teacher, a glance at each problem is sufficient to determine its correctness, and the papers of an entire class may be graded with the minimum of time and effort.

There are 100 cards, printed on a strong manilla, 3x5 inches, with full directions for teachers' use. In a neat box.

No. 257—Price, per set, 90 cents.

**THE HOLDEN NUMBER DRILL**

The **Holden Drill Card** is a very convenient device for affording abundant and varied drill in the fundamental number facts. It will be found especially advantageous for use with Third and Fourth grade classes, but can be used with profit for the review drills that higher grades frequently need.

Each card contains the 45 combinations promiscuously arranged in columns and so keyed that the work may be varied. This set of cards is especially adapted to speed drills and contests between individuals and groups.

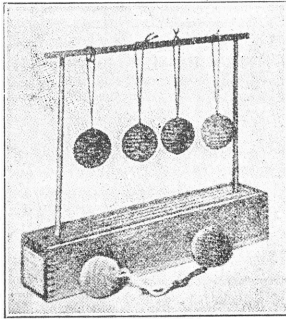
A teacher who desires will also be able to use these cards as the basis of a considerable variety of written or seat work in review of the number facts and tables.

A set consists of twelve cards printed in plain type on high grade manilla, 3 3/4 x 4 1/4 inches, in an envelope with full directions for use.

No. 258—Per set, 35 cents.

**THE GIFTS**

**FIRST**



**GIFT**

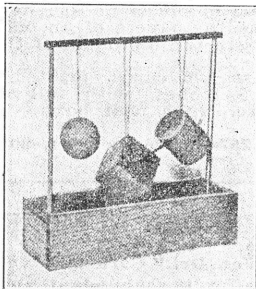
Aim: to teach color (primary: red, yellow, blue, and secondary: orange, green, and violet) and direction (forward and backward, right and left, up and down); to train the eye, and to exercise the hands, arms and feet in various plays.

- 1a—A set of six 1½" rubber balls covered with a netting of worsted in the standard colors, red, orange, yellow, green, blue and violet with detachable strings. In a polished wooden box containing supports and cross-piece for hanging the balls. **\$3.75.**
- 2—A set of six 1½" worsted balls, without wooden box. **\$3.00.**
- 5—A polished wooden box for the First Gift with crosspiece and supports, without balls, **\$1.05**

**LARGE SIZE**

- 6—A set of six soft, filled worsted balls, 3" diameter, in primary and secondary colors. In a wooden box with supports and cross-piece for hanging the balls. Weight, 3 lbs. **\$10.00.**

**SECOND**



**GIFT**

Aim: to teach form and to direct the attention of the child to the similarity and dissimilarity existing between various objects. This is done by pointing out, explaining and counting the sides, corners and edges of the cube; by showing that the sphere, the cylinder and the cube differ from one another in their several properties on account of their difference in shape; by pointing out that the apparent form of the sphere is unchanged however viewed, but that the apparent forms of both the cube and the cylinder vary according to the point from which they are viewed.

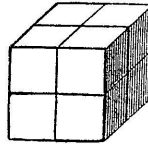
- 11a—A set consisting of 1 sphere, 1 cylinder, and 2 cubes (each measuring 2"), neatly made of wood and provided with the necessary staples, strings and holes. In a polished wooden box with supports and crosspiece for hanging the forms. **\$2.00.**
- 11b—Ditto, with one cone instead of the extra cube. **\$2.00.**

**LARGE SIZE**

- 14a—A set consisting of a sphere, a cylinder and a cube, all made of hardwood and measuring 3". In a polished wooden box. Weight, 3 lbs. **\$4.50.**

**THE THIRD GIFT**

Aim: to illustrate form and number, and also to give the first ideas of fractions, symmetry, etc.



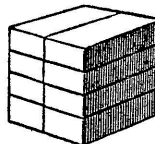
- 21—A large cube 2x2x2" equally divided into 8 small cubes, each measuring 1 cubic inch. In a polished wooden box..... **\$ .60**
- 22—100 cubes of the Third Gift without wooden box. .... **\$3.00**
- 23—An empty polished wooden box for the Third Gift ..... **\$ .45**

**LARGE SIZE**

- 24—A large cube 4x4x4" equally divided into 8 cubes, each measuring 8 cubic inches. In a polished wooden box ..... **\$2.15**

**THE FOURTH GIFT**

The aim of the Fourth Gift is similar to that of the Third, but it gives rise to the observation of similarity and dissimilarity and allows a varied and interesting application in the production of forms of knowledge (or mathematical forms), of beauty (or symmetry) and of life.



- 31—A large cube 2x2x2" divided into 8 oblong blocks, each 2x1x½". In a polished wooden box **\$ .60**
- 32—100 oblong blocks of the Fourth Gift, without wooden box ..... **\$3.00**
- 32a.—An empty polished wood box for the Fourth Gift ..... **\$ .45**

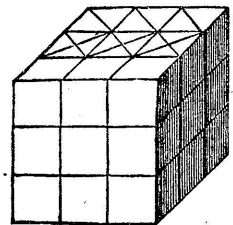
**LARGE SIZE**

- 33—A large cube 4x4x4" divided into 8 oblong blocks, each 4x2x1". In a polished wooden box. .... **\$2.15**

**THE FIFTH GIFT**

This is a continuation of and a complement to the Third Gift. It admits of a more extended application than the Third and Fourth.

- 41—A large cube 3x3x3" divided into 21 cubes, each measuring 1 cubic inch, 6 half and 12 quarter cubes. In a polished wooden box..... **\$1.25**
- 42—100 half-cubes of the Fifth Gift without wooden box ..... **\$3.00**
- 43—100 quarter-cubes of the Fifth Gift, without wooden box ..... **\$3.00**
- 43a—An empty polished wooden box for the Fifth Gift ..... **\$ .70**

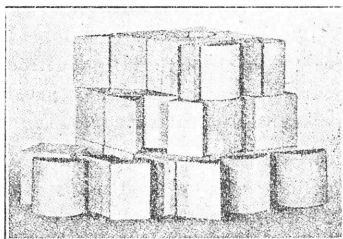


**LARGE SIZE**

- 44—A large cube 6x6x6" divided into 21 cubes, each measuring 8 cubic inches, 6 half-and 12 quarter-cubes. In a polished wooden box. (Weight 7 lbs.)..... **\$3.50**

**PRICES SUBJECT TO CHANGE WITHOUT NOTICE**

**THE FIFTH GIFT B.**

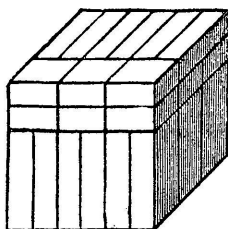


46—A large cube 3x3x3" as a combination of the Second and Fifth Gift, divided into 12 cubes each 1x1x1", 8 additional cubes from each of which one corner is removed corresponding in size to one quarter of a cylinder, 6 cylinders each measuring 1" divided into 12 half-cylinders, and 3 cubes each 1x1x1" divided diagonally into 12 quarter cubes. In a polished wooden box.....\$2.00

**THE SIXTH GIFT**

This is a continuation of and a complement to the Fourth Gift. It admits of a very extended application.

- 51—A large cube 3x3x3" divided into 18 whole oblong blocks each 2x1x½", 3 similar blocks divided lengthwise into 6 each 2x½x½", and 6 divided crosswise into 12 each 1x1x½" In a polished wooden box .....\$1.25
- 52a—100 blocks of the Sixth Gift, 2x½x½", without box ....\$3.00
- 52b—100 ditto 1x1x½", without box ....\$3.00
- 52c—An empty polished wooden box for the Sixth Gift.....\$ .70

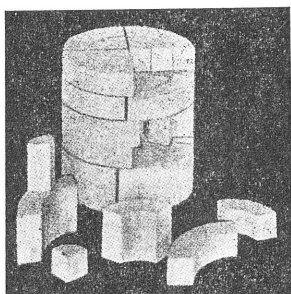


**LARGE SIZE**

52d—A large cube 6x6x6" divided into 18 oblong blocks each 4x2x1", 3 similar blocks divided lengthwise into 6 each 4x1x1" and 6 divided crosswise into 12 each 2x2x1". In a polished wooden box. (Weight 7 lbs.).....\$3.50

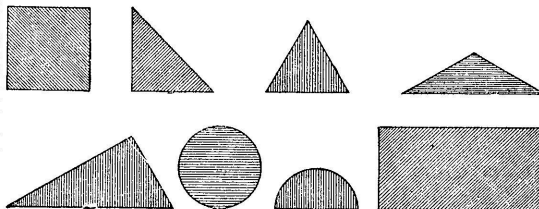
**THE CURVILINEAR GIFT**

57—A pasteboard box containing a maple cylinder measuring 3" in length and 3" in diameter, divided by 2 concentric circular cuts into 3 cylinders, respectively 1 in, 2 in. and 3 in. in diameter, divided vertically into 4 equal parts by 2 cuts whose planes are at right angles to one another, and divided



horizontally into 4 equal parts by 3 horizontal cuts parallel to the ends of the cylinder. The cylinder is thus divided into 48 pieces by means of which rings, arches, etc. in short curved lines may be constructed. This is to be regarded as a building gift, supplementing the preceding ones by introducing the curved line without which the child is unable to represent many objects which he might care to .....\$2.75

**THE SEVENTH GIFT**



This Gift consists of rectangular, triangular and circular polished tablets of light and dark wood.

The designs for symmetrical forms are innumerable and when all of the tablets are used many beautiful designs can be produced.

Tablets are obtainable made of various materials, wood, cardboard and paper, but the most durable are those made of thin pieces of wood of the natural colors, light and dark. Froebel evidently did not intend color but rather form to be a characteristic of this gift.

See below for Items in Seventh Gift

**Light and Dark Polished Wooden Tablets 1 inch Basis.**

- 62a 100 Squares, 1x1" .....\$ .85
- 72a 100 Right-angled isoscles triangles (half-squares). ..... .85
- 92a 100 Equilateral triangles ..... .85
- 97a 100 Right angled scalene triangles (half of 2" equilateral triangles. Old style.) ..... .85
- 97b 100 Right-angled scalene triangles (half of 2x1" oblongs. New style)..... .85
- 100a 100 Oblongs, 2x1" ..... 1.50
- 102a 100 Obtuse-angled triangles ..... .85
- 102b 100 Circles, 1" diameter ..... .85
- 102c 100 Semi-circles, 1" diameter..... .85

**Parquetry Papers in Assorted Forms and Colors.**

- 117a A box containing 1000 pieces engine-colored parquetry papers in assorted forms and colors, unglued.....\$ .35
- 117b 1000 ditto, gummed ..... .75
- 117c 1000 pieces glazed parquetry papers in assorted forms and colors, unglued ..... .85
- 117d 1000 ditto, gummed ..... .95

**Large Size Sticks—Plain**

- 194a. 100 Large size sticks, ¾" square, 1" long \$ .25
- 194b. 100 " " " 7/8" " 2" " .30
- 194c. 100 " " " 1" " 3" " .35
- 194d. 100 " " " 1" " 4" " .40
- 194e. 100 " " " 1" " 5" " .45
- 194f. 100 " " " 1" " 6" " .50

**Large Size Sticks—Colored**

- 194g. 100 Large size sticks, ¾" square, 1" long \$ .35
- 194h. 100 " " " 7/8" " 2" " .40
- 194i. 100 " " " 1" " 3" " .45
- 194k. 100 " " " 1" " 4" " .50
- 194l. 100 " " " 1" " 5" " .55
- 194m. 100 " " " 1" " 6" " .60

## IDEAL BLACKBOARD STENCILS

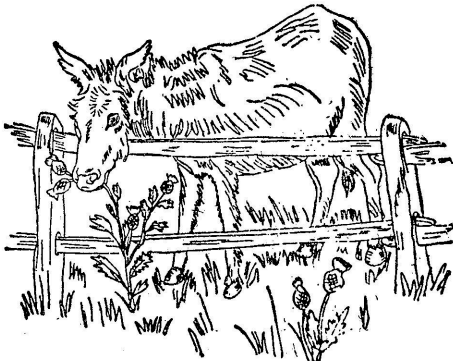
**IDEAL BLACKBOARD STENCILS** are prepared for the teacher who desires an outline pattern made by an artist and of subjects that are artistic, decorative and educational. They are all carefully made and when lined in and colored by the teacher, make very beautiful pictures.

We list below a varied assortment of subjects suitable for all grades, subjects and occasions. They are perfectly made, on an exceptionally high grade paper, and may be used many times. The workmanship is the best and this series is unquestionably the best obtainable.

The sizes vary somewhat, according to the subject, but all are large and make attractive pictures. The price is the same regardless of size.

Price, Each 15c Postpaid.

### ANIMALS, BIRDS, ETC.



- |               |                 |
|---------------|-----------------|
| 1. Cat.       | 13. Elephant.   |
| 2. Cow.       | 19. Bear.       |
| 3. Horse.     | 33. Polar Bear. |
| 5. Sheep.     | 52. Turkey.     |
| 6. Pig.       | 53. Duck.       |
| 7. Donkey.    | 54. Goose.      |
| 8. Dog.       | 63. Eagle.      |
| 9. Rabbit.    | 66. Ostrich.    |
| 10. Squirrel. |                 |

### FLOWERS, FRUITS, ETC.

- 100. Tulips.
- 105. Easter Lilies.
- 109. Daisies.
- 110. Dandelions.
- 111. Goldenrod.
- 113. Chrysanthemum.
- 114. Hollyhock.
- 117. Poinsettia.
- 118. Poppies.
- 119. Cattails.
- 120. Apple Blossoms.
- 150. Maple Leaves.
- 156. Apples on Branch.



### PHYSIOLOGY

- 450. Skeleton.
- 452. Teeth.
- 453. Eye.
- 454. Ear.
- 455. Lungs.
- 456. Heart and Section.
- 457. Circulation.
- 458. Organs of Digestion.

### VALENTINE AND EASTER

- 563. Heart and Ribbon Border.
- 800. Valentine Calendar.
- 801. Mailing the Valentine.
- 803. The Valentine Postman.
- 559. Easter Lillies Border.
- 507. Hen and Chicks Border.
- 820. Little Chicks Border.
- 51. Old Hen and Chicks.
- 514. Rabbit Head Border.
- 821. Group of Rabbits.
- 825. Rabbits and Eggs.

### CHRISTMAS AND NEW YEAR

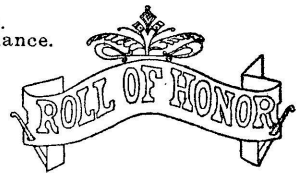
- 519. Christmas Bells.
- 560. Holly Border.
- 561. Mistletoe Border.
- 562. Poinsettia Border.
- 379. "Merry Christmas".
- 381. "Peace on Earth, Good Will Toward Men."
- 380. "Happy New Year."
- 700. Jolly Santa Claus.
- 701. Santa Claus and Sleigh.
- 702. Bringing in the Christmas Tree.
- 703. Christmas Tree.
- 704. Dancing 'Round the Tree.
- 708. The Little Santa Claus.
- 711. Holly, Ribbon and Bells.
- 712. Holly Wreath, 18 inches.
- 713. Santa Claus and Holly Border, 12 inches.

### LETTERED DESIGNS

- 375. Program.
- 376. Roll of Honor.
- 377. Perfect Attendance.
- 378. Welcome.

### FLAGS Patriotic Flag Stencil

- 861. Great Britain.
- 864. France.
- 866. Italy.
- 870. Japan.
- 871. China.
- 876. Canada.
- 872. Belgium.



CHARMING EFFECTS CAN BE PRODUCED BY USING STENCILS



**EIGHT-INCH BORDERS**

- 546. Chicks and Worm.
- 549. Wild Rose Border.
- 550. Apple Blossom.
- 552. Poppy Border.
- 553. Grape Vine Border.
- 554. Daffodil Border.
- 557. Daisy Border.
- 564. Oak and Acorn.



Price, 15c Each, Postpaid

**CHILD LIFE CALENDARS**

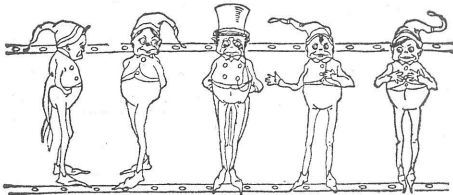
- 600. Sept.—School Again.
- 601. Oct.—Jack O'Lantern.
- 602. Nov.—Little Puritans.
- 603. Dec.—Night Before Christmas.
- 604. Jan.—The Snow Man.
- 605. Feb.—Dutch Children Skating.
- 606. March—The First Flowers.
- 607. April—Under the Umbrella.
- 608. May—In the Garden.
- 609. June—The Rose Queen.

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- 610. Sept.—Golden Rod.
- 611. Oct.—Autumn Leaves and Chrysanthemums
- 612. Nov.—Corn, Pumpkin and Flying Birds.
- 613. Dec.—Landscape and Poinsettia.
- 614. Jan.—The Deserted Bird House.
- 615. Feb.—Icicles.
- 616. March—Dandelion and Pussy Willow.
- 617. April—Tulips and Rabbits.
- 618. May—Violets.
- 619. June—Roses and Bees.

**HOLIDAY CALENDARS**

- 620. September—Labor Day.
- 621. October—Hallowe'en.
- 622. November—Thanksgiving.
- 623. December—Christmas.
- 624. January—New Year.
- 625. February—Valentine.
- 626. March—St. Patrick's Day.
- 627. April—Easter.
- 628. May—Victoria Day.
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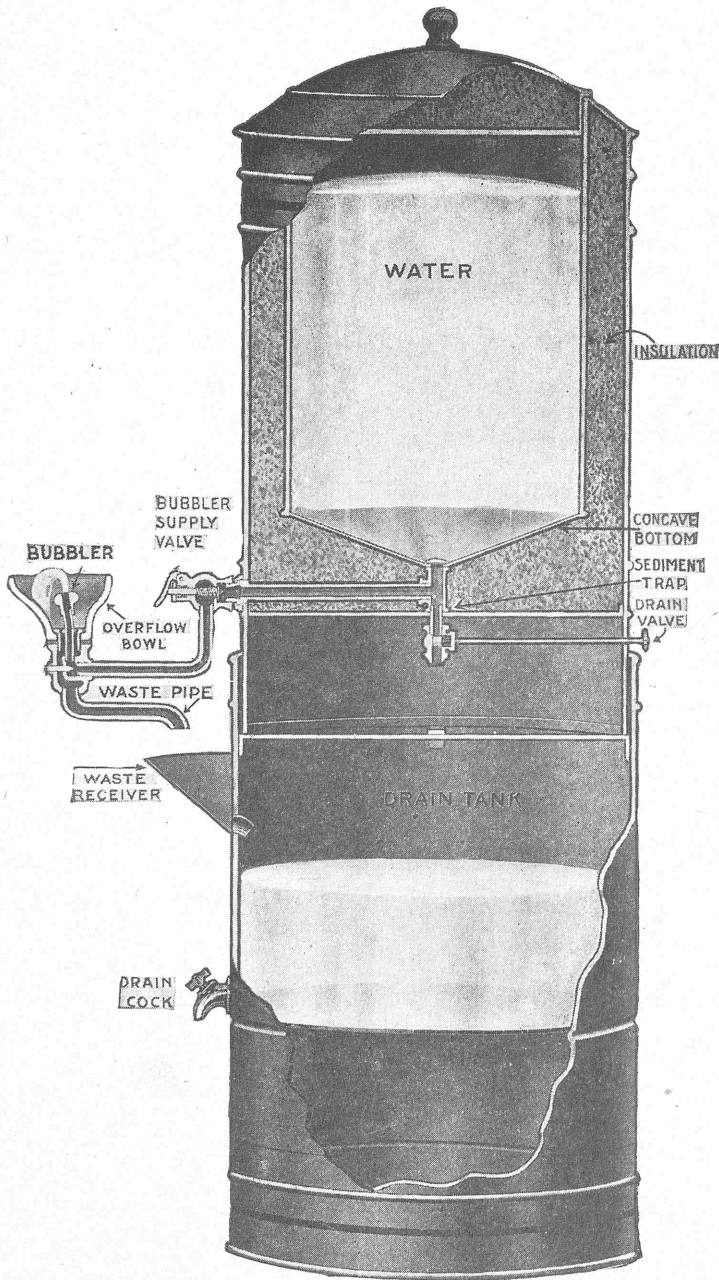
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Sectional View of  
**SANITARY BUBBLER FOUNTAIN**



## A FOUNTAIN OF HEALTH

It throws a non-squirting bubble of clean, uncontaminated water. The protection it gives is cheap at any price because

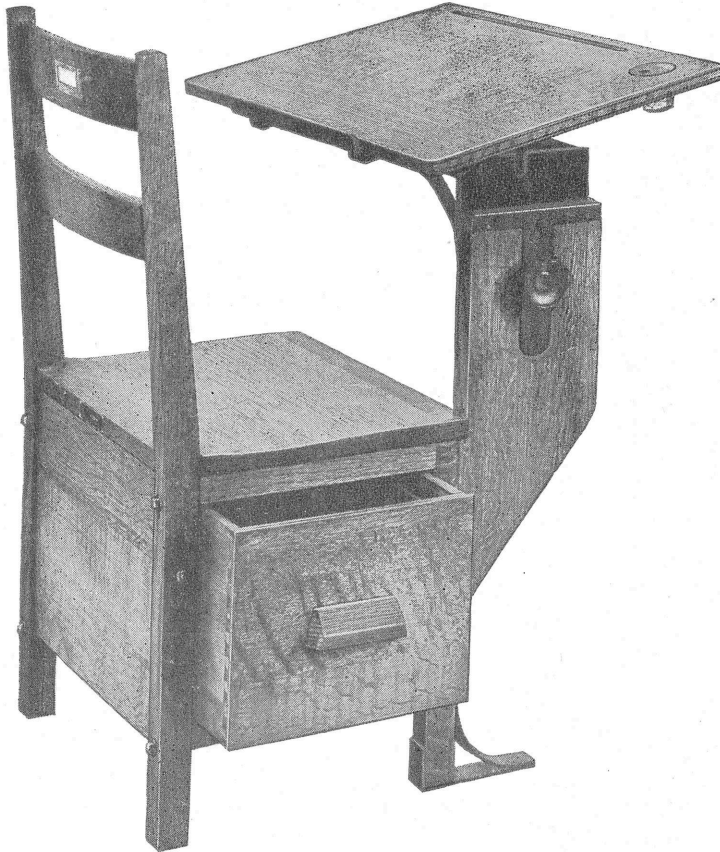
**It Conserves Human Life**

See Page 39 For Prices and Particulars





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 Made in Canada      Used in Canada  
 By Canadians



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 Chair Desk

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