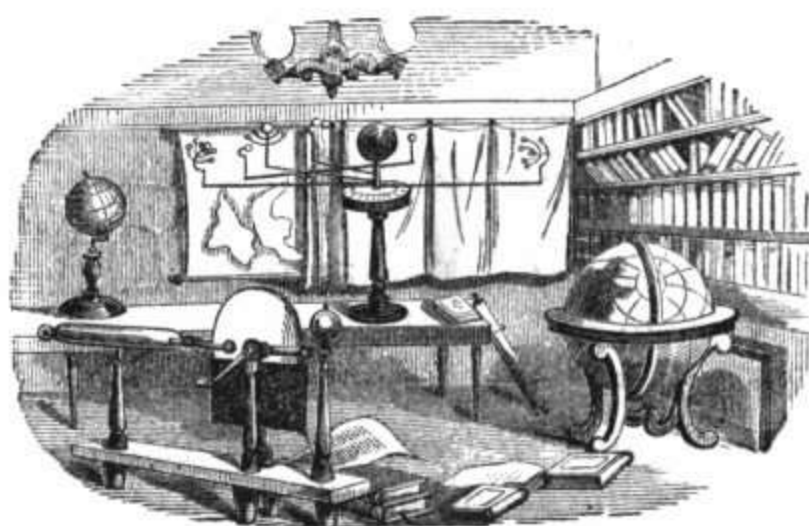


Illustrated Catalogue

OF

SCHOOL MERCHANDISE.



J. L. HAMMETT,  
*Manufacturer, Publisher, and Bookseller,*  
37 and 39 BRATTLE STREET, BOSTON.

RAND, AVERY, & FRYE PRINTERS, 3 CORNHILL, BOSTON.

# TEACHERS' SUPPLIES.

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1. *Aids to School Discipline*, put up in Boxes, containing 80 Certificates, 120 Checks, 200 Cards, 100 Single Merits and Half Merits. Price \$1.25.
2. *Spelling-Sticks and Sentence-Sticks*, with Boxes of LETTERS and WORDS for Primary and Kinder-Garten Schools.
3. *Object-Teaching Blocks*. Thirty-six forms and solids. \$3.25.  
*Arithmetical Forms and Geometrical Solids*. \$3.  
*Kinder-Garten Blocks*. \$1.  
*Cube-Root Blocks*. 75 cts.
4. *Numeral Frames*, one hundred Balls, \$1.25; one hundred and forty-four Balls, \$1.50.
5. *Composition Paper*, to facilitate the work of correcting, as it enables the pupil to do most of it himself. \$8 per ream.
6. *Record-Books, Model Roll-Books, Pocket Registers, Scholars' Model Diaries*.
7. *Spelling-Blanks*. Forty-eight pages, 12mo, 50 cents per dozen; 8vo, 75 cents per dozen.
8. *Spelling-Slips*. 600 Slips for \$1.
9. *Payson's Erasable Spelling-Tablets*. \$1.20 per dozen.
10. *Composition-Books*. Practice-Books and Exercise-Books, from 58 cents to \$2.75 per dozen.
11. *Drawing-Books*, Pencils and Diamond Rubber.
12. *Primary-School Slates*, Silicate Tablet-Slates, Silicate Book-Slates, nice Pennsylvania Slates, and Covered Slates.
13. *Book-Straps, Rulers, Pens, Penholders, Pencils, and Drawing-Pencils*.
14. *Scholars' Exercise-Paper*, Commercial-Note size. Per ream, \$1.  
*Scholars' Exercise-Paper*, Commercial-Note Extra. Per ream, \$1.50.
15. *Rewards of Merit* in every style.
16. A full assortment of Dialogue-Books and Speakers.

# Catalogue.

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In presenting this Illustrated Catalogue of School Merchandise to the School Officers and Teachers of New England, your attention is most respectfully called, not only to the various articles which it represents, but also to the fact that

**37 and 39 BRATTLE STREET, BOSTON,**

is the *only place* in New England where every article of *Furniture and Apparatus* needed in the *schoolroom can be found*; and it will be the constant aim of the subscriber to give such personal attention to the wants of his customers as shall secure for them at all times the *best articles* to be found in the market, at the *most reasonable prices*; and, while his stock embraces

*School Furniture* of the most approved style,

*Blackboards* of the best finish,

*Globes*, in every variety, from 75 cts. to \$275.00,

*Blackboard Easels*,

*Map Supports*,

*Ink Wells*,

*Ink-Well Covers*,

*Call Bells*,

*Blackboard Erasers*,

*Crayons*,

*Crayon-Holders*,

*Mathematical Blocks*,

*Kindergarten Blocks*,

*Music-Charts*,

*Drawing-Charts*,

*Physiological Charts*,

*Outline Maps*,

*Teachers' Registers*,

*Report-Cards*,

*Aids to School Discipline*,

*Topic-Books*,

*Composition-Books*,

*Exercise-Books*,

*Dialogue-Books*,

*Spelling-Blanks*,

A full supply of *all School-Books* in use, a valuable Teachers' Library, and a great variety of other articles, both useful and convenient for teachers and scholars,

He has made such arrangements with the best manufacturers in New England as will enable him to furnish PHILOSOPHICAL and CHEMICAL APPARATUS, ORGANS, MELODEONS, and Heating Apparatus for city and country school-houses, at as reasonable prices as they can be obtained of the manufacturers themselves.

The correspondence of school officers and teachers is invited, your orders most respectfully solicited; and, when you visit Boston, I shall be happy to have you call and examine my stock.

**J. L. HAMMETT,**

**37 & 39 BRATTLE STREET, BOSTON.**

# The United-States Patent School-Slate.

A first-class soft-stone slate, with frame containing the Roman and Script alphabet, both capital and small, easy words for primary scholars, Roman figures, Roman numerals, names of the days of the week and the months of the year; together with lines and angles, the mariner's compass, a clock, ship, sphere, hemisphere, Mt. Vernon, and the Washington Elm.

Price, \$5.00 per doz.

The U. S. Patent Noiseless School Slate, \$6.00.

Notice what those say who use it in primary schools:—

*From Sisters of Notre Dame, Boston, Nov. 4, 1869.*

We are using your Patent School-Slates, and are perfectly satisfied with them: they serve both to improve and amuse little children.

*From Helen J. Ward, Principal of Riverside Primary School, Cambridge.*

I have used your U. S. Patent Slate in my school for the past six months, and find it durable, and particularly well adapted for the Primary Schools.

*From Edwin B. Chase, Cambridge, Oct. 27, 1869.*

Having carefully examined different slates, and seen them in use in the schools, I am convinced that the U. S. Slate is the best Primary-School Slate in the market. The slates are good. The frames are strong, secure, and smoothly finished. The letters, figures, and diagrams are judiciously selected and well arranged. The slate is attractive to children as a toy, and will prove practically useful to those who are engaged in object-teaching.

*From Mary A. Tarbell, Principal of Webster Primary School, Cambridge.*

Your U. S. Patent School Slate is indispensable in a Primary School. Every child in those schools should be supplied with it. A child, first learning its letters, will improve rapidly by printing first a letter a day, and then simple words. The numerals, generally too much neglected, I am glad to find well represented. The months of the year and the days of the week make a fine concert exercise for the little ones, while the first classes can soon learn to write from the excellent copies found on the same slate. Finally, it makes a school cheerful, and keeps it busy.

## ERASERS AND CRAYONS.

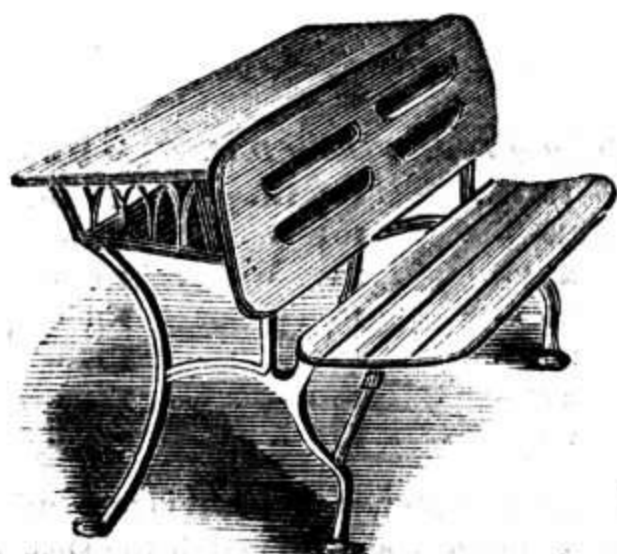
	per doz.		per doz.
Slate Erasers (Chamois), No. 1 . . .	\$ .60	Black-board Erasers (Wool), No. 3 . . .	\$5.00
" " " No. 2 . . .	1.20	" " (Tapestry), No. 4 . . .	5.00
Black-board Erasers (Tapestry), No. 0 . . .	2.00	" " (Chamois), No. 6 . . .	6.00
" " (Wool), No. 0 . . .	2.00	White Crayons, per gross . . .	.30
" " " No. 1 . . .	3.00	Assorted " " . . .	1.25
" " " No. 2 . . .	4.00		



# American School Desk & Settee.

"Constructed on Physiological Principles."

GEORGE MUNGER'S PATENTS.

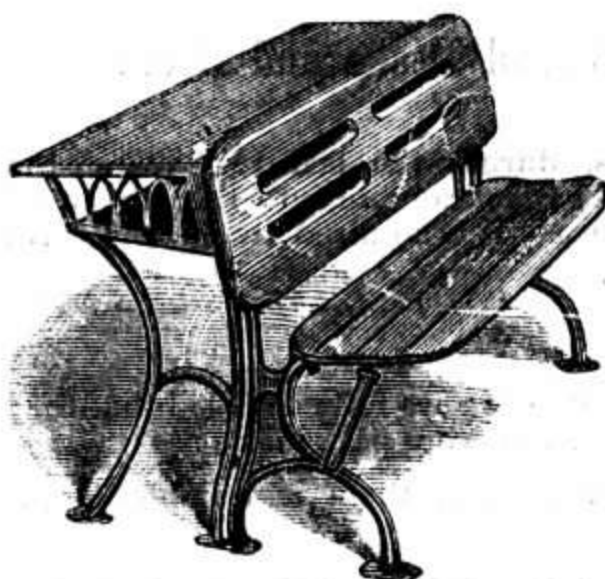


COMBINED DESK AND SETTEE.

## COMBINED DESK AND SETTEE.

### Price List:

1. Children's Desk and Settee, . . . . \$5 50
2. Primary Desk and Settee, . . . . 6 00
3. Intermediate Desk and Settee, . . . 7 00
4. Grammar School Desk and Settee. 7 25
5. High-School Desk and Settee, . . . 7 50
6. Academic Desk and Settee, . . . . 8 00
- Settees for Rear Rows—any size. . 3 50



INDEPENDENT DESK AND SETTEE.

## INDEPENDENT DESK AND SETTEE.

7. Primary D. and S., Independent. \$7 25
8. Intermediate, . . . . . 7 50
9. Grammar " . . . . . 7 75
10. High-School " . . . . . 8 00
11. Academic " . . . . . 8 50
12. Settees for Lecture and Class-Rooms, 5 to 10 feet long, per foot, (Any lengths to order) . . . 90

Prices given above are for *double* desks to accommodate two pupils. For prices of *single* desks, deduct 25 per cent. from figures given. Boxes for shipping charged at cost. The Desks are bored for INK-WELLS of all approved styles.



NEW AMERICAN SETTEES.

Six grades— or all sizes of pupils.

The peculiar points of excellence which have made the New American School Desks and Settees so highly esteemed, are as follows:—

I. *They are comfortable for the pupils*—the seat and back being carved to fit the person, thus making the *proper* position the *easiest*. This seems hitherto to have been beyond the attention of School Desk Makers.

II. *The folding-seat*, with its many and varied advantages.

III. The manner of attaching the parts is simple and ingenious, and entirely unlike that employed in other school-furniture. The points of attachment, in seat, settee-back, and desk-top, are strongly dovetailed together, giving the following advantages: *a.* The Desks and Settees can be readily taken apart and set up by an inexperienced person.

*b.* The parts mutually support and stiffen each other. *c.* *Warping* is rendered impossible. *d.* No checking or splitting can occur from the shrinking and swelling incident to changes of temperature—the seat, back, and top being fastened or "locked" to prevent it. *e.* Requiring no skilled workman and no fitting to set them up, they may be packed flat, securely boxed, and shipped as ordinary freight, without danger of damage, and at less than *one-fifth* the charges on ordinary furniture. *This is a most important feature.*

IV. *They present a better appearance*, yielding to the School Room a cheerfulness and grace unrivalled.

Full Descriptive Catalogue sent on Application.

J. L. HAMMETT,

37 and 39 Brattle Street, Boston, Mass.

# REVISED SIZES OF THE New American Desks & Settees.

		<i>Length.</i>	<i>Hight of Desk.</i>	<i>Width of Desk.</i>	<i>Hight of Seat.</i>
Children's, Desk & Settee, for two,	36 in.	18 in.	10½ in.	11 in.	
Small Primary, "	"	36 "	20 "	10½ "	11 "
Primary, "	"	36 "	22½ "	13 "	13 "
Intermediate, "	"	36 "	25 "	15 "	13½ "
Gram. School, "	"	42 "	26½ "	15 "	15 "
High School, "	"	42 "	27½ "	15 "	16½ "
Academic, "	"	42 "	29½ "	15 "	17 "

Desk hight is measured at *front*—back edge is 1½ in. higher. Seat hight is measured at *front*—pitch of seat is 1½ in. Settees for Rear Rows—any size, to match the Desks.

## Testimony for the New American School Desks and Settees.

I have used in my school for Young Ladies, during the last two years, the American Desk and Settee. To give a *healthful position* and *ease* to the student, I believe it to be the BEST SEAT and DESK now in use. It is admired by all who have tried it in our school.

Very truly yours,

J. H. HERO,

*Prin. Young Ladies' Select School.*

WINTBORO, Mass., Sept. 16, 1869.

After a year's trial of the American Desk and Settee, we are fully satisfied that they excel all other patterns we have examined, in the following particulars :

*First*—They are constructed on a principle rendering them less liable to jar or break.

*Second*—The seats are secured to the floor in a much more permanent manner than those which set on pedestals.

*Third*—The turning up of the seat is a great convenience in sweeping the room, and also for all standing exercises of the pupils.

*Fourth*—The peculiar inclination and curvature of the seat and back almost *compel* the pupil to assume a *healthful*, as well as very comfortable position.

*Finally*—They have received the unqualified commendation of pupils, teachers, parents, and School Committee.

DANIEL P. HOPKINSON,

NATHANIEL T. STICKNEY, •

IRA S. WORDMAN,

*District Committee.*

GROVELAND, Mass., August 4th, 1869.

After proving your New American Desk and Settee for over a year, I think it safe to say, if the cost of your furniture were *double* what it now is, and other kinds could be had for nothing, all who have seen the *EASE* and *COMFORT* with which a *proper position* is maintained by the pupil, would certainly adopt yours.

G. W. TUTTLE, *Sch. Committee.*

LITTLETON, Mass., February 20, 1869.

Your furniture is all you recommend it to be, and we shall know hereafter what to use for all our new houses.

G. A. PRIEST, M. D.,

*Ch. Sch. Com. Manchester, Mass.*

The furniture has arrived—we set it up yesterday. It looks so well we wish you to send us at once forty-eight more Desks and Settees for the higher room.

J. W. FLETCHER,

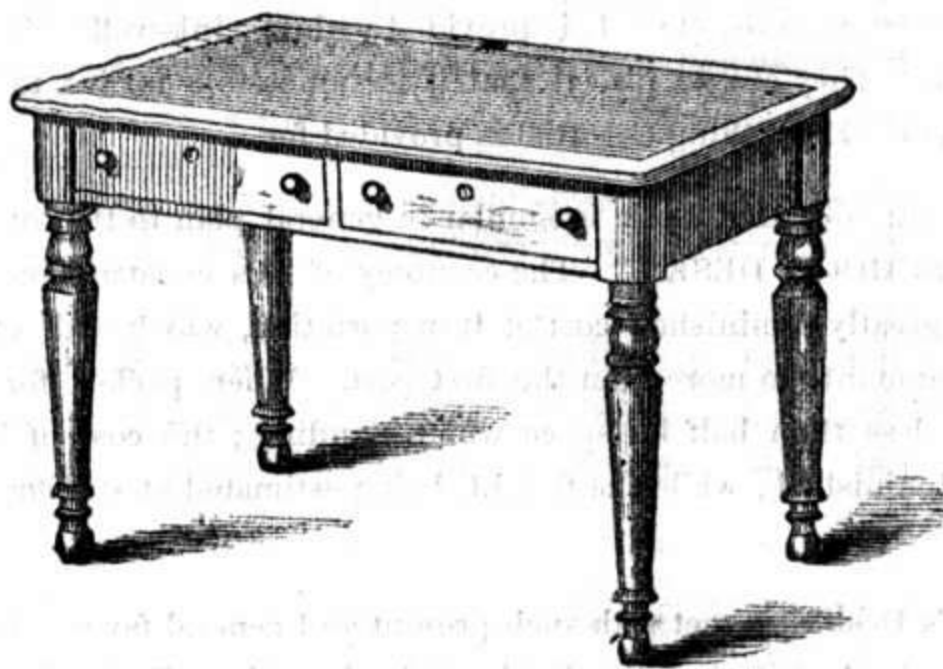
WESTFORD, Dec. 16, 1869.

*For Com. of Town of Westford, Mass.*

# TEACHERS' TABLES.



- |     |                         |  |        |
|-----|-------------------------|--|--------|
| 32. | TEACHERS' TABLE, No. 1. | Plain, 28 in. long, no drawer, .....             | \$4 85 |
| 33. | do. " 2                 | do. 36 " one drawer.....                         | 6 00   |
| 34. | do. " 3.                | Cloth Top, 36 in. long, one drawer, (see Cut) .. | 7 00   |

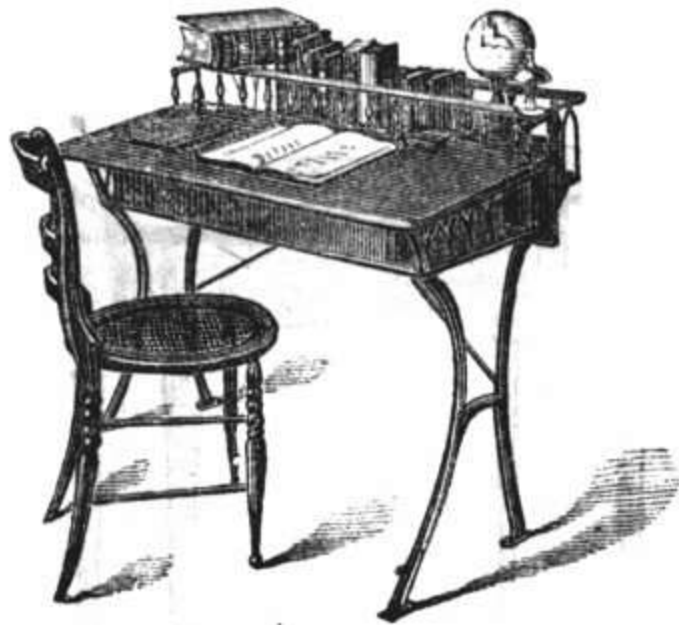


- |     |  |   |        |
|-----|--|---|--------|
| 35. | TEACHERS' TABLE, No. 4.                                  | Plain, 42 in. long, two drawers, .....            | \$8 00 |
| 36. | do. " 5.   | Cloth Top, 42 in. long, two drawers, (see Cut) .. | 9 00   |
| 37. | LIBRARY TABLE, handsomely Carved Legs, 5 feet long ..... |   | 25 00  |

Any size or style to order, at proportionate prices.



# TEACHERS' DESKS.



## The New American Teachers' Desk.

(GEORGE MUNGER'S PATENT,)

Is just the thing for the class-room. Its writing-surface is ample. The book-rack is original, and so simple and convenient that it is a wonder that it has not been thought of before. It allows the teacher to have quite a library at hand, yet never in the way, while globe and call-bell and the indispensable Dictionary, have their appropriate places within easy reach. Drawers, with lock and key, afford security for private papers, stationery, records, etc. It is provided with two ink-wells, one for black and one for red ink. They are so placed that it is impossible for ink to get from them into the drawers. Everything essential is provided for.

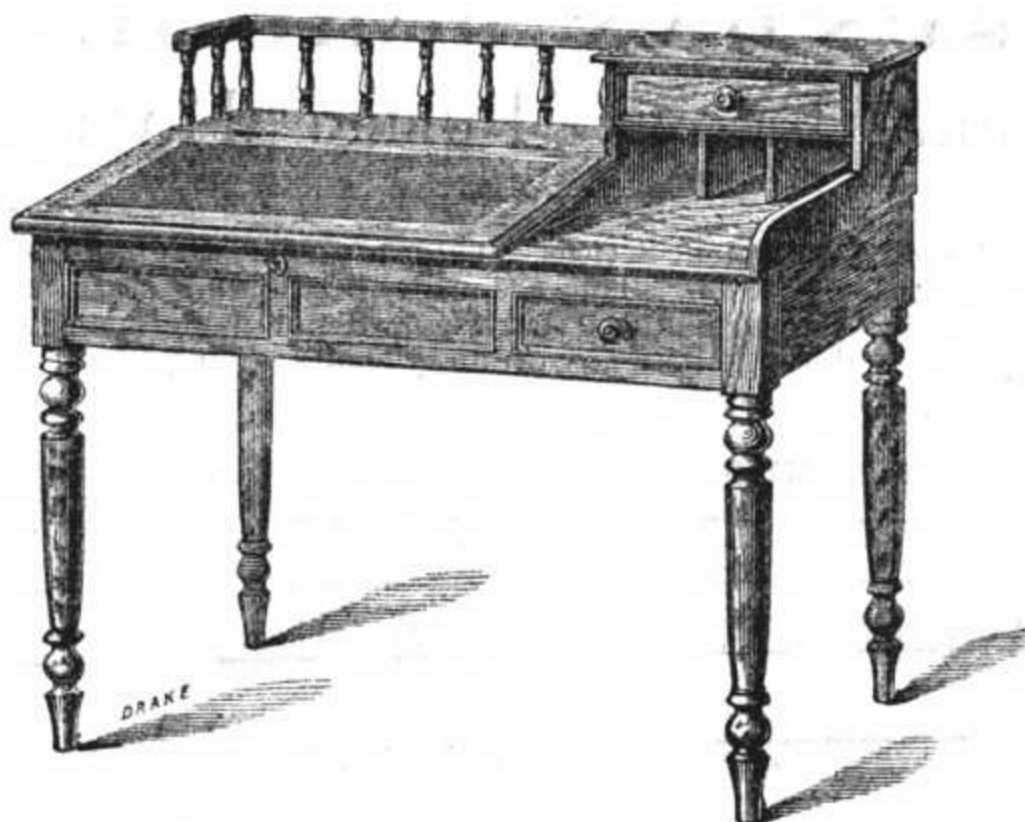
The construction of this Desk is similar in general plan to that of "THE NEW AMERICAN SCHOOL DESKS." The economy of this construction is manifested chiefly in the greatly diminished cost of transportation, which with other desks not unfrequently amounts to more than the first cost. When packed for shipping, this desk occupies less than half its space when standing; the cost of boxing is proportionately diminished; while the freight, being estimated at ordinary rates, is very cheap.

No Teacher's Desk ever met with such prompt and general favor. Immediately on its completion the Architect of the Public Schools of New York adopted it as THE TEACHER'S CLASS-ROOM DESK, for the City Schools. And two of the "OLD" Furniture Manufacturers, who had not hitherto kept pace with the modern demands of Schools, acknowledged its merits by making imitations of it. The patent laws have since interceded to protect this, our original invention.

38. Teachers' Class-Room Desk, No. 1, 2 ft. 6 in. long, one Drawer.....\$10 00  
 39. " " " " 2, 3 ft. 6 in. " two Drawers.... 12 00  
 Teachers' Chairs, all styles and prices. That in the cut is..... 3 00

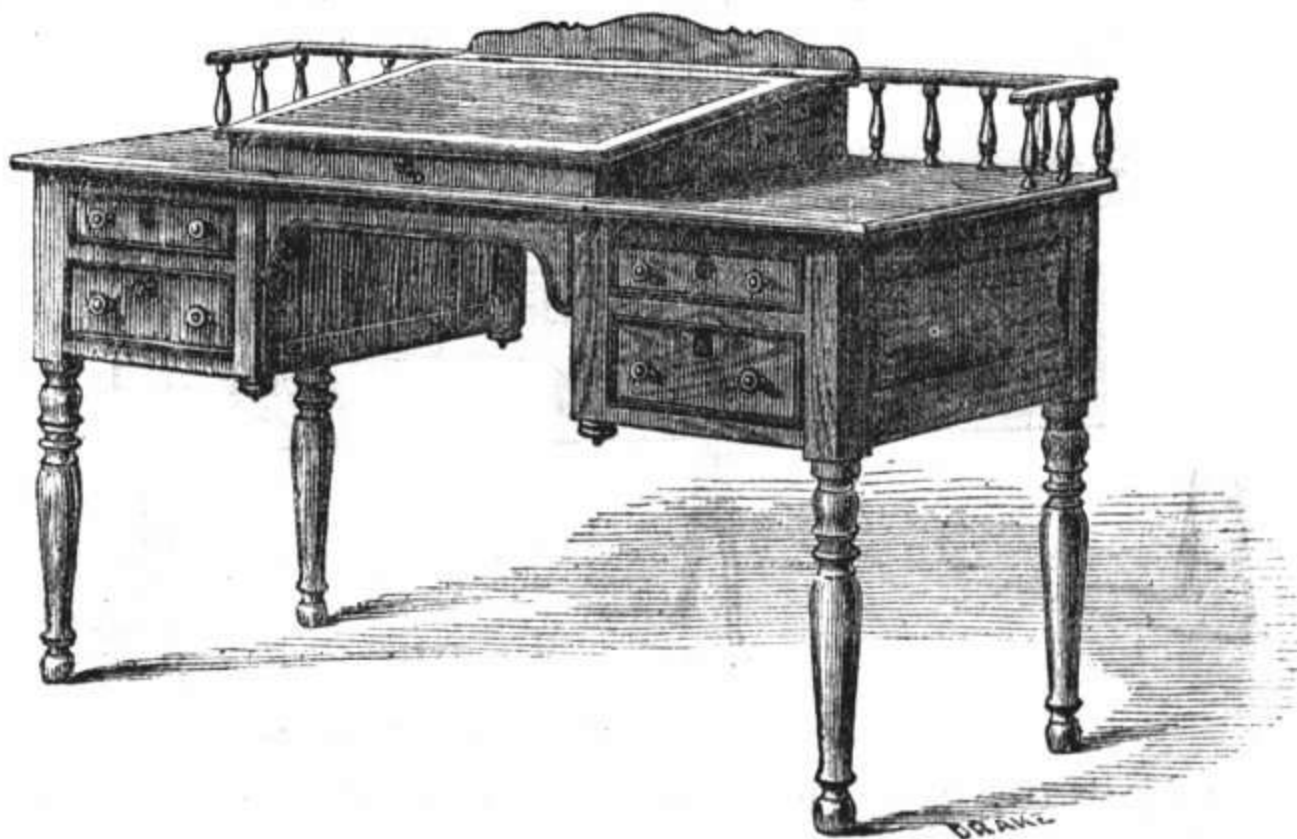


## TEACHERS' DESKS—Continued.



**40. TEACHERS' DESK, No. 4. (See Cut.) Price..... \$15 00**

This Desk has unusual capacity of book box beneath the lid, which is hinged, and lifts in the usual manner. It has two drawers, as shown in the cut. It is an excellent Desk for School purposes, and is furnished at a very reasonable price.



**41. TEACHERS' DESK, No. 5. (See Cut.) Price.....\$25 00**

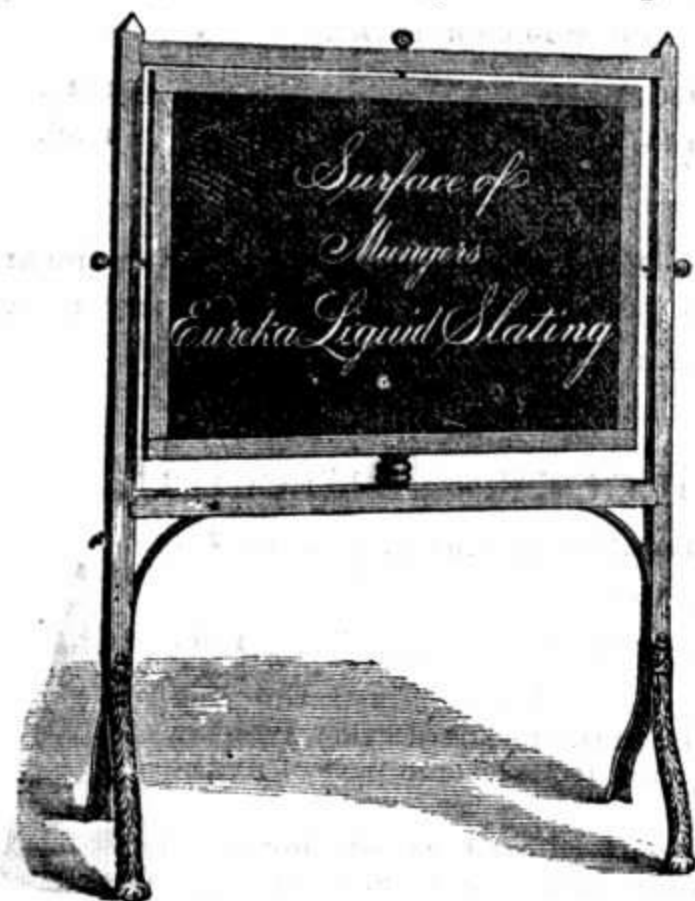
This is the handsomest Desk that can be shown at the price. It is made of Ash, trimmed with Black Walnut, and is thoroughly finished in panels front, rear and ends, having a remarkably graceful and lively appearance. It has four drawers, wide book box beneath the lid, with abundant surface for books and papers on both sides of the writing surface.

**42. TEACHERS' DESK, No. 6. The same made of Black Walnut ..... ..\$30 00**

# BLACK-BOARD SUPPORTS, EASELS, RUBBERS, ETC.

## HAMMOND'S BLACK-BOARD SUPPORT,

Obviating the disadvantages attending movable black-boards, has become deservedly popular. The feet are of iron, and sufficiently heavy to insure stability. It is rigid and substantial. There are no glued joints; all the parts are firmly bolted together, and cannot get loose, yet may be readily taken apart for shipping, by removing a few screws. The board is hung on centre pins, on which it may be revolved. It has lock-pins for holding it in position. It may be revolved both ways—on horizontal or perpendicular axle—as shown in the cut. The board touches the Support only on these pins, and is as noiseless as if attached to a wall. Beneath the board is a shelf for crayons, and for catching the falling particles of chalk. It is a serviceable and ornamental piece of furniture for the school and lecture-room.



Size adapted to any one of our  
Standard Black-boards... \$6 00  
Same, made of black walnut... \$7 50

**Black Boards**—Standard sizes, perfect slate surface, neatly framed, ready made :

1. Size 2 x 3 ft., both sides (12 sq. ft. surface).....	\$3 50
2. " 2 1/2 x 3 1/2 ft., " 18 " " .....	5 25
3. " 3 x 4 ft., " 24 " " .....	7 00
4. " 3 1/2 x 4 1/2 ft., " 32 " " .....	9 50
5. " 4 x 5 ft., " 40 " " .....	12 00
6. " 3 x 6 ft., lined for Music .....	12 50

(Any Size made to order.)



## Kendall's Black-board Easel

Is specially suited for class-rooms, lecture-halls, Sunday-schools, and other places where economy of space is an object. When not wanted, it can be folded up in a moment, and put away like an ordinary board. Its portability, the little room it occupies when packed, and the consequent cheapness of transportation, combine to make it a most convenient and economical Easel.

PRICES—No. 1. Single, ash.....	\$3 00
Same, black walnut.....	3 50
No. 2. Double, ash, for board on each side.....	4 00
Same, black walnut.....	4 50

### Black-board Rubbers :

0. Sheep-skin, small size, per doz... \$2 00	3. Lamb-skin, fine long bleached wool... \$5 00
1. " regular size, " ..... 3 00	4. Brussels, new and neat..... 5 00
2. " longer wool, better finish .. 4 00	5. Chamois-skin, pat'd. very superior.... 6 00
<b>Crayons</b> —White, per gross..... 40c.	Colored, per gross..... 1 50
1 doz. white, in neat paper box... 10c.	Do. colored..... 20
<b>Crayon Holder</b> —Just invented and patented, each .....	25



# Aids to School Discipline:

A SUBSTITUTE FOR

## SCHOOL RECORDS, REPORTS AND PRIZES.

*A New and Improved Edition—beautifully printed in Colors, from new plates, with new and appropriate Designs.*

AN accurate register of deportment and scholarship promotes healthy emulation. Yet such a register is rarely kept. Teachers cannot record each recitation as it occurs, hence the record is neglected for the time, and afterward made from memory. Perfect accuracy being impossible, confidence in the record is weakened and its moral force lost. The AIDS secure the good results of accurate records and reports, with less expense of time.

The AIDS naturally and inevitably awaken a lively paternal interest, for the pupil takes home with him the witnesses of his daily conduct and progress.

The AIDS may be used in various ways. This is convenient: In the morning give each pupil a CARD (5 merits), representing a *perfect day*, to be forfeited for misdemeanor, or failure in recitation. SINGLE MERITS and HALF-MERITS are for pupils who fail to retain their CARDS and yet are worthy of some credit. Five CARDS held by any pupil are exchanged for a CHECK (25 Merits), representing a perfect *School Week*. Four CHECKS are exchanged for a CERTIFICATE OF MERIT, representing 100 Merits, or a perfect *Month*. These CERTIFICATES bear the pupil's name, and are signed by the teacher. The number held shows the pupil's standing.

If prizes or medals are awarded at close of session, there can be no mistake in determining to whom they belong: the decision being made by each pupil exhibiting his CARDS and CERTIFICATES, no idea of favoritism can arise.

It is needless to discuss the value of proper incentives, for either children or adults. The use of hundreds of thousands of these AIDS, with the unbounded approval of Teachers, Parents and Pupils, assures us that they are doing great good.

They are neat in design, beautifully printed in BEST Colors. The CERTIFICATES are prizes which pupils will cherish. Single merits and Half-Merits are printed on card-board; Cards and Checks on heavy paper, and may be used many times—hence the system is CHEAP. They are put up in sets of 500, there being 80 CERTIFICATES, 120 CHECKS, 200 CARDS, 100 SINGLE MERITS and HALF-MERITS.

Price, per set, \$1.25. By mail, prepaid, \$1.35.

The sorts which make up the sets, are supplied separately, by mail, as follows:—Certificates, per hundred, 60 cts.; Checks, per hundred, 40c.; Cards, per hundred, 15c.; Single Merits, 15c.; Half-Merits, 15c.

### THE NEW SCHOOL MEDAL



Is shown, on both sides, by the cuts. It is made of a Superior White Metal, and will not easily tarnish. On one side, above the word EXCELLENCE, is opportunity to engrave the *date* of presenting the Medal. On the other side, the pupil's name may be engraved on the *Scroll*. This is the best School Medal now in this market, and is highly appreciated.

Price, 25c.: by mail, prepaid, 35c.



# Bail's Drawing Charts.

By Prof. LOUIS BAIL, Sheffield Scientific School, Yale College.

Nos. 1 to 20. Size, 24x40 inches, with Key. Price, per Set..... \$10 00  
Single Charts ..... 60

THESE Charts, the result of long experience in teaching, are based on philosophical and analytical principles. They furnish a system, rigidly progressive and scientific, yet so simple, that with them any intelligent teacher can so train the hand and eye of pupils, as to lay a sure foundation for excellence in Art and Design.

"A knowledge of the principles of Drawing, at least, has become essential to success in every department of the mechanical arts; and the cultivation of this talent in early life has opened to many young men, who would otherwise have plodded along as mere laborers, opportunities for distinction and wealth as inventors, architects and builders."

This knowledge is acquired most easily in early life. It is the object of BAIL'S SYSTEM OF DRAWING CHARTS to supply this information in a form not difficult to be understood. It takes the child at the beginning of his school education, adds interest and diversity to his studies, and utilizes much time heretofore wasted. Its introduction into our schools will prove a wise economy, adding to our material prosperity by making mechanics more skillful and tasteful, and by developing talent that would otherwise remain unproductive.

The great obstacles to the successful teaching of Drawing in Common Schools, have been :

- 1st. The lack of artistic culture and practical skill on the part of teachers.
- 2d. The lack of time sufficient to give pupils that individual instruction made necessary by the systems of instructions heretofore in use.
- 3d. The mistaken notion that Drawing, either as a science or an art, can be acquired by transferring pictures from one piece of paper to another, without a systematic training of the hand and eye.
- 4th. The delaying of the study and practice of the art until the natural taste for the exercise has been out-grown, and the pupil's time has become too valuable to be pleasurably devoted to the training in elementary principles, necessary to ensure certain and reliable progress in the art.

These Charts are designed to obviate each and all of these difficulties. That they are fitted to accomplish their object, is proved by the uniform success which has attended their use. The Series consists of twenty Charts, arranged according to a strictly progressive plan, as the following list will show :

- CHART No. 1. Straight Lines and Angles, with a Scale.**
- " " 2. Letters composed of Straight Lines and Angles.
  - " " 3. Right Angles and Triangles.
  - " " 4. The Square.
  - " " 5. Applications of the Square.
  - " " 6. Applications of the Square. Simple Figures. Houses, etc.
  - " " 7. Applications of the Square and Triangle.
  - " " 8. The Curve Line.
  - " " 9. Ellipses.
  - " " 10. Variations of the Double Curve.
  - " " 11, 12 and 13. Applications of the Foregoing Lines.
  - " " 14 and 15. Views of Dwellings.
  - " " 16. Leaves.
  - " " 17. The Circle.
  - " " 18. Circular and Elliptical Scrolls.
  - " " 19. Simple Ornaments.
  - " " 20. More Complicated Ornaments.

The patterns are printed in broad lines, large enough to be seen by an entire school.

With these Charts is a Key which explains each chart, giving sufficient information to enable any teacher to use the Charts intelligently. The Key contains also a treatise on Perspective, illustrated by thirty-six plates.

# Testimony for Bail's Drawing Charts.

They have been Adopted by the Board of Education of New York City.  
They have been Adopted by the Board of Education of New Haven, Conn.  
They have been Adopted by the Board of Education of Hartford, Conn.  
They have been Adopted by the Board of Education of Waltham, Mass.  
They have been Adopted by the Board of Education of New Bedford, Mass.  
Everywhere they are meeting with a most favorable reception, and are being rapidly introduced into the best schools.

Office of Board of Education, City Hall,  
NEW HAVEN, CONN., Nov. 27th, 1869.

**P**ROF. LOUIS BAIL has been in the employment of the Board of Education for more than a year. During this time, he has given instruction from his Series of Charts exclusively—no others being in use in our schools. Whatever differences of opinion may have existed as to the propriety of giving instruction in Drawing in our Public Schools, or as to the merit of "BAIL'S CHARTS," only one sentiment seems at present to prevail among the intelligent friends of Education as to the superiority of his method, and the marked success of the classes under his care.

HORACE DAY, *Secretary Board of Education.*  
ARIEL PARISH, *Superintendent Public Schools.*

HARTFORD, November 25th, 1869.

The System of Drawing introduced into the Public Schools of Hartford, by Prof. LOUIS BAIL, is admirably adapted to the class of child-mind for which it is intended, and at the same time is sufficiently comprehensive for advanced scholars. His method of teaching, based as it is upon the principles of investigation and comparison, not only secures progress in this special department, but is highly conducive to mental discipline, and aids essentially in securing that self-reliance, close attention, and careful observation so indispensable in early training.

S. M. CAPRON, *Principal High School.*  
A. MORSE, *Principal North Grammar School.*  
C. E. WILLARD, *Principal West Grammar School.*

NEW YORK, Oct. 6th, 1869.

I have examined with much interest the Drawing Charts of Mr. Bail, with the accompanying explanations, and very much approve the system of instruction embodied therein. As far as he has carried it, it is very simple, and I consider it perfectly practicable and easy, even for teachers of very little experience.

HENRY KIDDLE, *Superintendent of Public Schools.*

This Drawing System (Bail's) has received the commendation of the best educators. It supplies the deficiencies of former systems, and we anticipate for it a wide career of usefulness and success.—*The New Haven Journal and Courier.*

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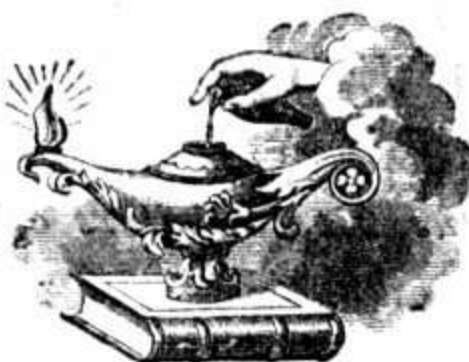
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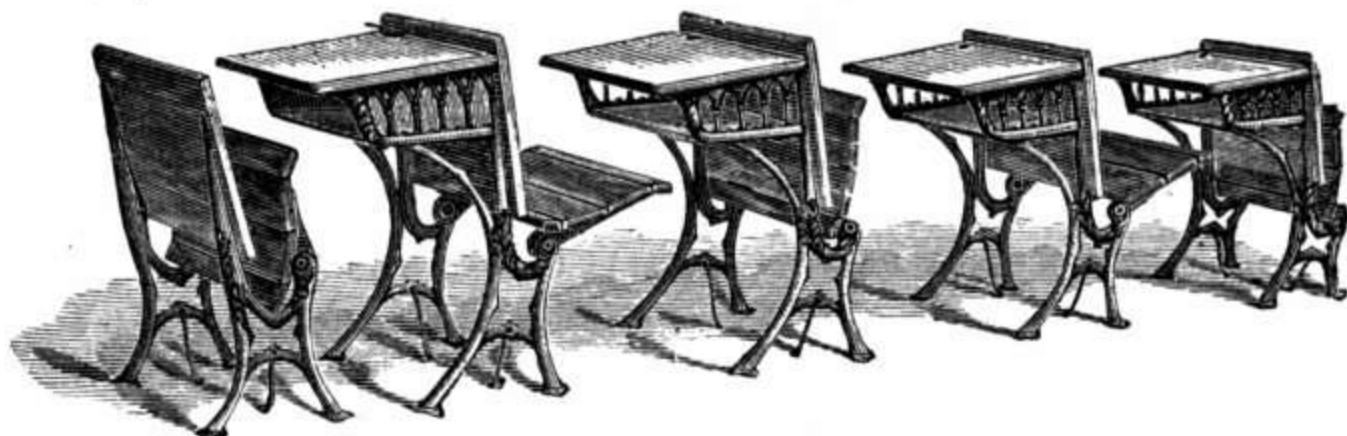


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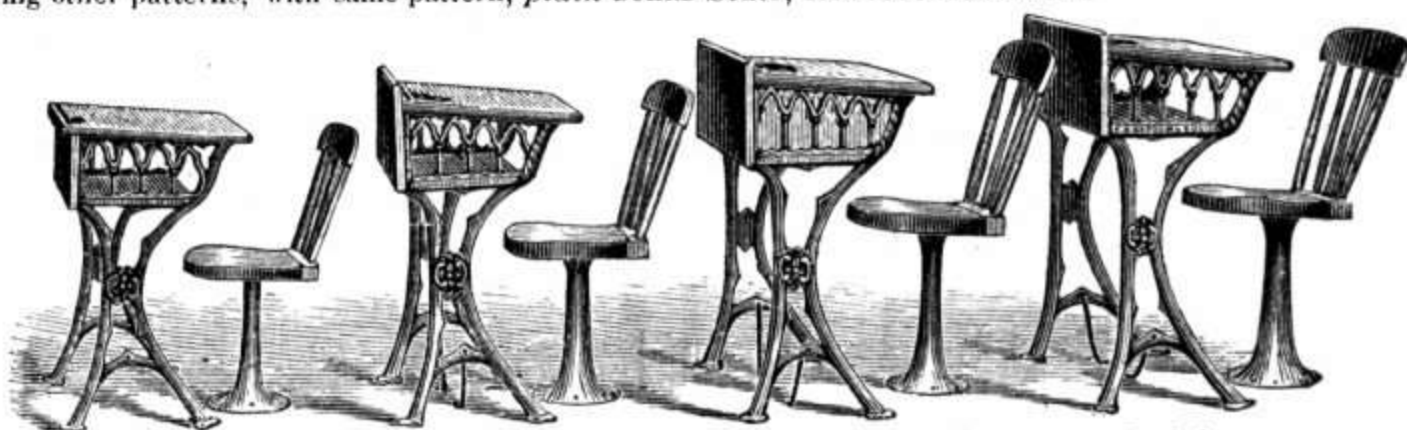


Back Seat, Size 1. Desk, Size 1. Desk, Size 2. Desk, Size 3. Desk, Size 4. Desk, Size 5.  
Seat Hight, 16 in. 16 in. 15 in. 14 in. 12½ in. 11 in.

SIZE. Double and Single.	Width of Desk Top.	Width of Seat.	Width from Desk to Desk.	Age of Pupils suited to.	PRICE.	
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1. High School.....	16 in.	14 in.	31 in.	15 to 20 y'rs.	\$5 50	\$7 00
2. Grammar.....	15 in.	14 in.	30 in.	12 to 16 y'rs.	5 25	6 80
3. First Intermediate.....	14 in.	13 in.	29 in.	10 to 13 y'rs.	5 00	6 60
4. Second Intermediate.....	13 in.	12 in.	27 in.	8 to 11 y'rs.	4 75	6 40
5. Primary.....	12 in.	12 in.	25 in.	5 to 9 y'rs.	4 00	5 00

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This new and complete Desk, combining durability, handsome and uniform appearance, with ease and comfort to the pupil by the CURVED SLAT SEAT AND SLOPING BACK, is superior to any ever offered to the public. The careful examination of it by School Boards, and others interested, is requested before selecting other patterns, with same pattern, *plain BOARD Seats*, sold at reduced rates.



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Seat Hight, 10 in. 12 in. 14 in. 16 in. 16 in.

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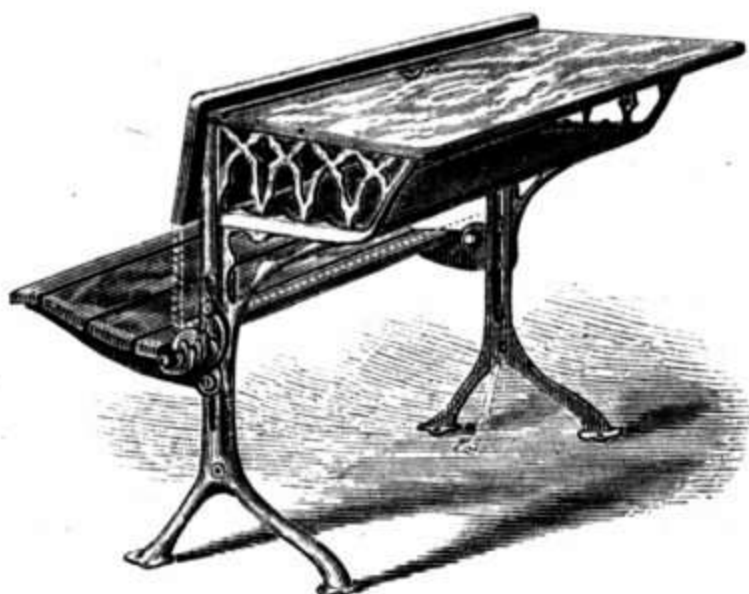
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3. First Intermediate.....	14 in.	.....	28 in.	10 to 13 y'rs.	4 50	7 00
4. Second Intermediate.....	13 in.	.....	26½ in.	8 to 11 y'rs.	4 50	7 00
5. Primary.....	12 in.	.....	26½ in.	5 to 9 y'rs.	4 00	6 00

Braces, extra, 50 cents, on any of the above styles.

Figures Numbers 2 and 4 show our Chair Desks. The Number 2, originally designed for the front desks of our Gothic Curved Seats No. 1, has many new points of excellence. Sizes 1, 2, and 3 of these, as well as No. 1, are adapted for closed or boxed desks, with lids to which locks may be attached.





### No. 6 A—New Patent Graduated Curved Slat Seat Desk.

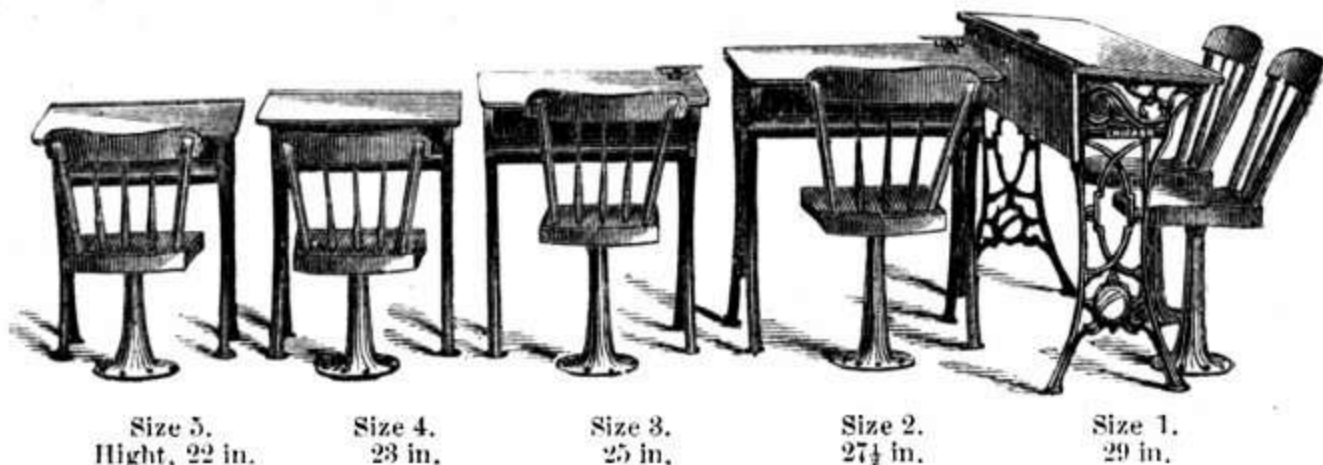
Changeable to eight grades, and designed for pupils ten years of age, and upward.

*Two Sizes, Plain and Curved Slat Seat.*

	Plain.	Curved Slat Seat.
Largest, for pupils from 12 to 20.....	\$6 50	\$7 00
Smallest, for pupils from 5 to 12.....	5 00	5 50
Corresponding Back Seats.....	4 00	4 50

With this Desk, as it is now presented to the public, we are able to *challenge competition*. In its simplicity of structure, greater weight of metal, silent hinge, that the wear of years will not make noisy, it is unexcelled. It can be changed at pleasure from a low to a high grade, and is, withal, very neat in appearance. Its simplicity renders getting out of repair an *impossibility*. Its weight gives it firmness and rigidity, while the lifting seat enables the pupil to stand behind his desk instead of in the aisle, and affords facilities for sweeping, etc., After four years of trial, and with the added improvements suggested during that time, it might properly be expected that in this Desk we have something that will stand the test.

The importance of having each pupil rest upon a seat of proper height can not be too carefully provided for. The wants in this particular of our common schools, varying, as they do each season, by the alternate attendance of large and small pupils, demanded a change from the fixed desk and seat, which is fully and *only* met in our Patent Graduated Desks. In these we have combined all our special advantages, giving to the Number 6 A the Curved Back, wide or narrow, and adapting our Curved Slat Seat to it.



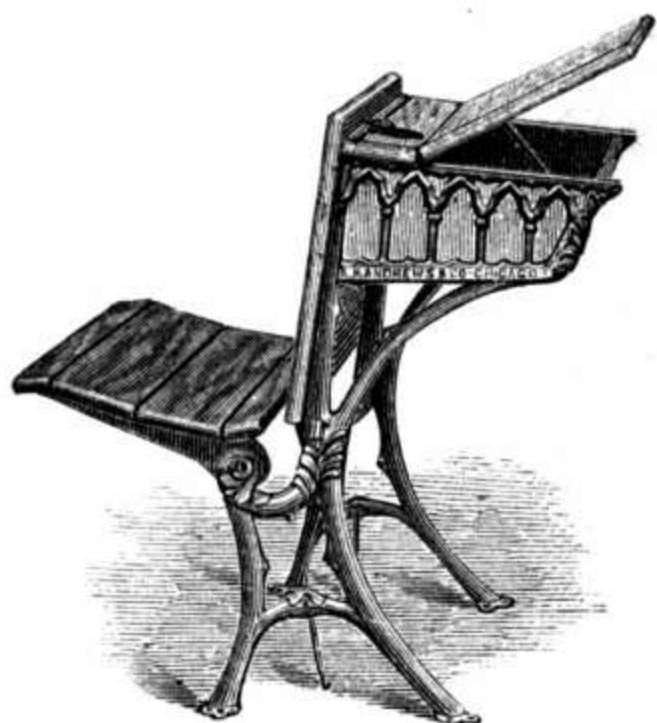
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*Five Grades, Double and Single.*

	Single.	Double.
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3. First Intermediate.....	4 50	7 00
4. Second Intermediate.....	4 50	7 00
5. Primary.....	4 00	6 00

Our pedestals, entirely new, are very broad at their extremities, and supplied with a large number of fastenings, and warranted to remain rigid when properly set up.

Our Chairs are unequalled for **STRENGTH, COMFORT, AND BEAUTY**. Thousands of them, like the Desks, are in daily use, giving *entire* satisfaction.



The attention of SCHOOL OFFICERS and TEACHERS is respectfully invited to the following important FACTS in connection with the New Furniture illustrated by these Engravings:

## THE GOTHIC DESK

has attained, in the few months it has been before the public, an *unparalleled* popularity. It has been introduced into the best Schools in all parts of the country, East and West, from the Atlantic to the Pacific coast. Over **50,000** sold in six months past. Officially adopted by many STATE NORMAL SCHOOL BOARDS. The Desks are rendering the BEST satisfaction, as the most

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**SCHOOL DESK**  
Ever Introduced.

### No. 18.—Patent High School Box Desk.

Single and Double, \$7 and \$10.

### Also, Normal Hinge-Seat Box Desk.

Extra Large. Single, \$8; Double, \$12.

With curved or plain folding seat. For lady students, and especially for drawing purposes, this desk will be found extremely convenient. The lid rests upon rubber cushions, making its fall noiseless. It may be provided with a shelf for ink, pencils, etc., and if desired, a lid support. The advantages of this style will be evident when we state that, being iron framed throughout, it is much stronger than if entirely of wood, resting upon iron supports. It can also be packed in about one-fifth the space occupied by our box desks, with chairs.

Standard size, No. 1, 24x31 inches. Three sizes.



Plain Combination Desk and Seat.  
5 Sizes—No. 1 largest, No. 5 smallest.  
\$6 to \$4.50 each.



Wooden or Iron-leg Desks.  
\$12 to \$18 each.

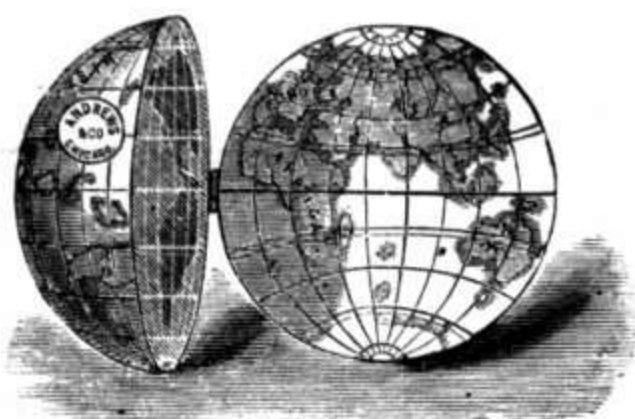
The health and comfort of the pupil, the necessary strength to resist pressure from all directions, combined with beauty and grace, have been the matters of paramount attention in the structure of all our desks, and which are, in these patterns especially, eminently attained. The main castings are half-cylindrical, with a wide flange extending in a lateral direction, which gives great strength and firmness. The attachment to the floor is made doubly strong by the use of broader and stronger feet than before used by any manufacturers, together with the braces shown, which, not detracting from the appearance or convenience of the desks, add much to their strength and rigidity. The use of wooden ends under the lattice-work of the casting, entirely new and original with us, adds much to the beauty, and serves to protect the contents, of the desk, while its additional cost is slight.

N. B.—We have applied for Letters Patent on our recent improvements, some of which we have herein enumerated, and hereby take occasion to caution the public and manufacturers generally, against adopting them.

**SCHOOL AND TEACHERS' DESKS, of all late and approved styles,  
LID AND CHAIR DESKS, Double and Single,  
RECITATION SEATS AND SETTEES,  
HOLBROOK'S IMPROVED LIQUID SLATING, &c.**

And in fact everything necessary for the thorough outfit of the School-room, kept on hand and furnished  
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<i>Globes, 8-inch, 8.00, 11.00, and 12.00, and 12-inch, 25.00, 30.00, and 35.00</i>	
<i>Holbrook's Liquid Slating, Pint, Quart, 1-2 Gal., Gal.,</i>	

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OUR FURNITURE IS FINISHED IN OIL, unless otherwise ordered. Desks of the best seasoned material, principally clear kiln-dried Cherry, with a neat round molding worked on all exposed edges and corners.

We furnish gratis, all necessary Screws, and full printed directions for putting together our Furniture, which, for economy in freights and convenience to the purchaser, is shipped in packages properly protected.

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# CALL-BELLS.



No. 1.



No. 3.



No. 4.



No. 2.

The stentorian commands of the old-time master, emphasized by heavy thwacks of a heavy ruler—sometimes on the desks, and sometimes on the sconces of the terrified pupils—have gone out of fashion, and with them the turbulence which they caused rather than cured. The Call-Bell has taken their place, and become as indispensable an article of school furniture as the strap or the ruler used to be, and much to the relief of both teachers and taught.

The foregoing Figures (1 to 4) show several neat and much-approved forms, with springs. The springs are simple and not easily broken.

The following Figures (5 to 9) are of the new style, which having no spring are less liable than the former to get out of order. They are rung by pressing on the knob at the top. All these bells are silver-plated, and of fine tone. The cuts represent one-fifth size.



No. 5.



No. 6.



No. 7.

## Silver-plated Call Bells.

No. 1, Old Style, with Spring, \$1.00

2, " " 1.00

3, " " 1.20

4, " " 1.25

5, New Style, Patented, 1.40

6, " " 1.50

7, " " 1.75

8, " " 1.75

9, " " 2.00



No. 8.



No. 9.

## Hand-Bells of pure Copper and Tin,

Warranted superior in tone ; twelve sizes, varying in price from 25 cents each to \$5.00.



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6, 9½, 10, 12, 16, and 30 Inches in Diameter.

RETAIL.		RETAIL.	
‡30 inch Terrestrial, with quadrant, Solid Mahogany		10 inch wood frame, per pair, cut No. 5,	\$36 00
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16 inch wood frame, per pair, cut No. 5,	80 00	9½ inch wood semi-frame, per pair, cut No. 6,	24 00
+16 inch Slate Globe, on semi-frame, cut No. 6,	12 00	6 inch wood frame, per pair, cut No. 5,	18 00
*12 inch bronze pedestal frame, per pair, cut No. 3,	75 00	6 inch Solar Teluric, each,	15 00
12 inch low bronze frame, per pair, cut No. 4,	50 00	6 inch wood, semi-frame, per pair, cut No. 6,	10 00
12 inch wood frame, per pair, cut No. 5,	44 00	16 inch quadrants,	1 00
12 inch wood semi-frame, per pair, cut No. 6,	34 00	12 inch quadrants,	1 00
§12 inch Masonic, per pair, balls only,	34 00	10 inch quadrants,	1 00
10 inch bronze frame, per pair, cut No. 7,	40 00		
Terrestrial or Celestial sold separate, at one-half the price per pair. Quadrants accompany each pair of 9½, 10, 12, and 16 in Globes, at above prices. When single globes are ordered, Quadrants are charged extra.			
‡Case and Packing for each Globe, \$8.00.		†Case and Packing for each Globe, \$2.00.	
‡Case and Packing for each Globe, \$1.50.		*Case and Packing for each Globe, \$1.00.	
		‡Case and Packing, per pair, \$1.00.	



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THE FRANKLIN GLOBES, 6, 10, 12 and 30 inches in diameter, have been recently re-engraved and the following important additions and corrections made :

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*Alaska, Sitka, and all territories of which the correct boundaries can be obtained.*

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*Important places, rivers, lakes and mountains, especially in Africa and New South Wales.*

Correct names of countries, as—

*Dominion of Canada.*

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The 30 Inch Globe (Terrestrial only) is very plainly engraved, and handsomely mounted on a solid Mahogany frame. It is the largest ever made in this country, and presents quite an imposing appearance ; it is appropriate for public rooms, literary institutions, hotels, saloons of steamers, as well as the large schools and colleges.

New or proposed lines of railroads, submarine or overland telegraphs, can be laid down to order.

Directors of proposed new lines will find that a globe of this size, with their route plainly defined, will be an efficient aid in conveying a correct idea of the resources of the road or route when finished.

One may be seen at J. L. HAMMETT'S **37 BRATTLE ST. BOSTON.** also at

Department of State, Washington, D. C.

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The 16 Inch Globes (Terrestrial and Celestial) are, without exception, the most valuable globes, either of home or foreign manufacture, ever offered to the public. They are very finely engraved. The terrestrial is more complete than any other globe, having the Isothermal lines of temperature, and the deep sea soundings, which are not laid down on any other globe. It is, unquestionably, more useful for daily reference than a map, showing, at a glance, the relative positions of different countries, their boundaries, and their latitude and longitude.

The Terrestrial plate is so very full that no additions can be made to it without interfering with that already laid down. Some corrections have been and are now being made of boundaries, names, etc. This globe, especially on the Bronze Pedestal frame, is particularly appropriate as an ornament to a private library, and is also much in demand by the higher grade of literary institutions.

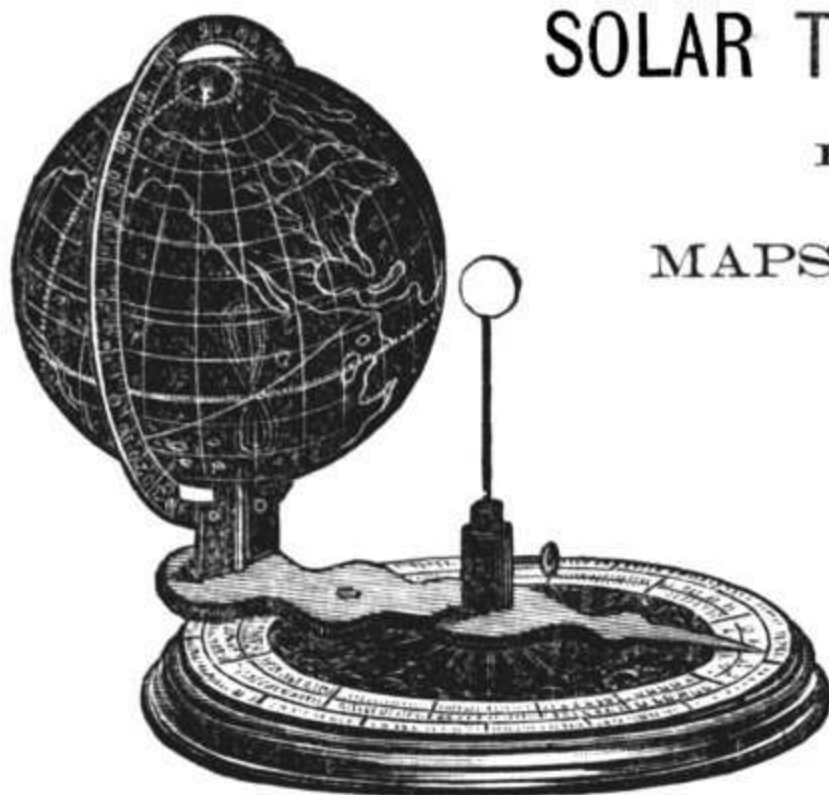
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North America . . . .	28 " 32 "	Central Europe . . . .	36 " 25 "
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PLATE I.—A front view of the Skeleton. (*See Engraving.*)

PLATE II.—A back view of the Skeleton.

PLATE III.—A front view of the Muscles.

PLATE IV.—A back view of the Muscles.

PLATE V.—Organs of the Thorax and Abdomen.

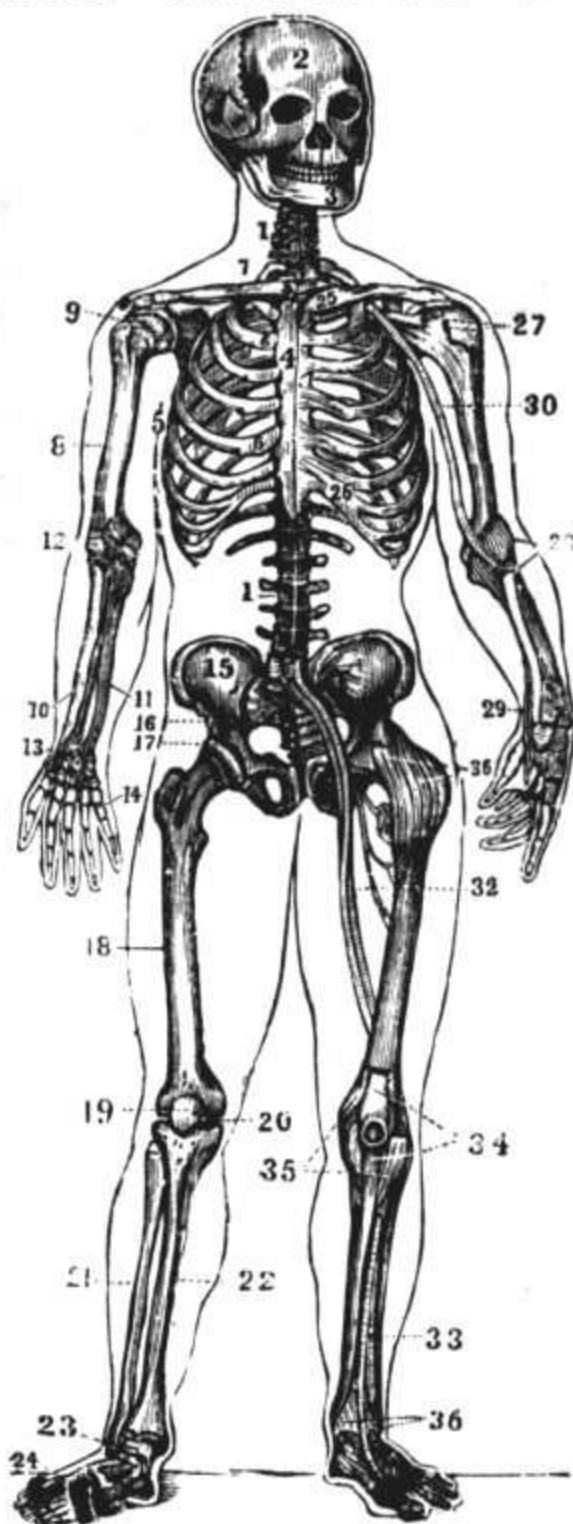
PLATE VI.—Heart, Arteries and Veins.

PLATE VII.—The Pulmonary Circulation.

PLATE VIII.—The Cerebrum, Cerebellum, Spinal Cord, and Nerves.

PLATE IX.—The Skin.

PLATE X.—An Anterio-Posterior Section of the Eye.



10 NUMBERS IN SET.

This engraving is an exact representation of Plate No. 1 of this valuable Series. The study of Human Physiology, one of the most important of the sciences, cannot be successfully pursued in the School or Class Room without the aid of illustrations of this kind. These Charts are tastefully and correctly colored, attractive in appearance, averaging in size about 2x3 feet, and are mounted on rollers, or furnished in sheets, as desired.

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A Complete KEY to the Entire Series accompanies each Set of Charts gratis.

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*a* The Aorta.

*p* The Pulmonary Artery.

1 The Branch of the Pulmonary Artery that divides in the Left Lung.

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The divisions of this Artery continue to divide and subdivide, until they become no larger than hairs in size. These minute vessels pass over the air-cells, represented by small dark points around the margin of the Lungs.

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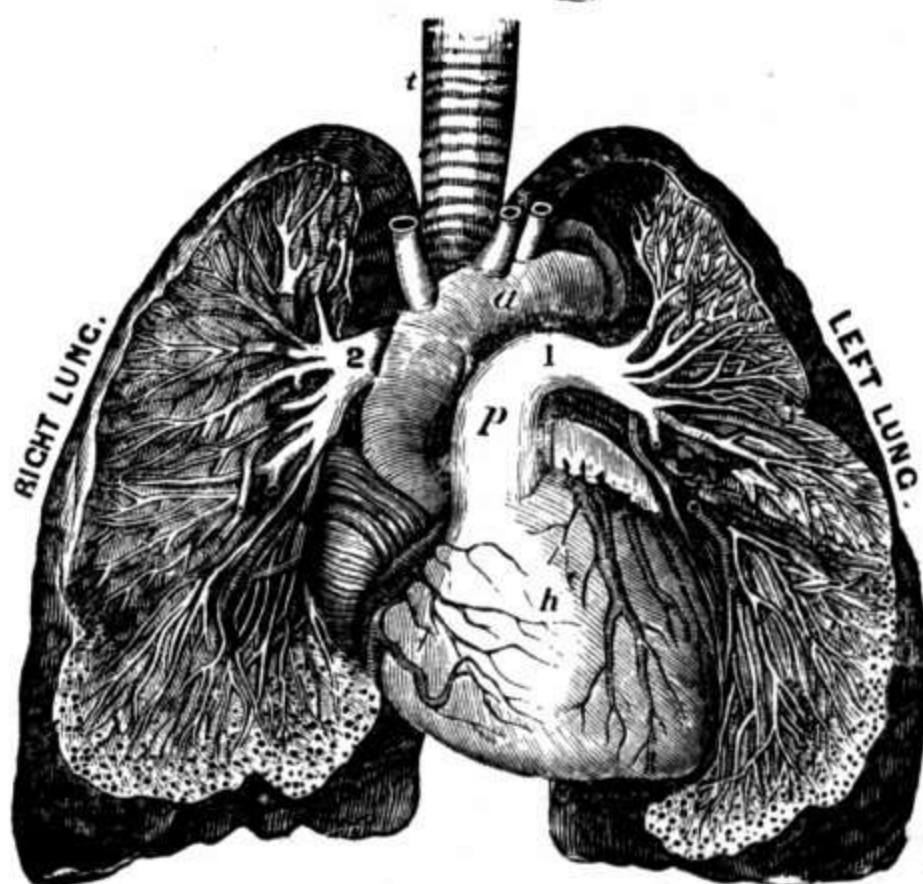
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Do. eight in a set . . . . . 10 00

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Showing a part of Plate No. 7; there being 4 Cuts upon this one Plate

Address J. L. HAMMETT,

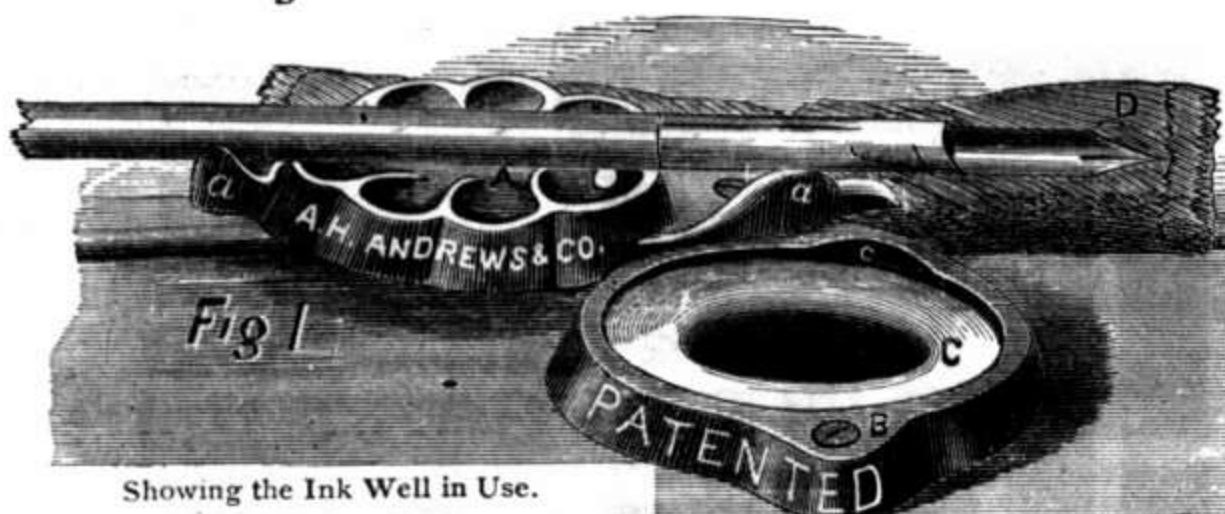
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THE BEST WELLS

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Showing the kind of Pen Wiper to use.

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Patented September 15th, 1868.

### EXPLANATIONS.

A. Cover. a, a. Pen Rack. B. Ring with shoulder, which confines Glass. C. Glass. c. (Fig. 1) Slot in shoulder allowing the passage of a lip projecting from glass C. D. Pen Wiper. (See directions for making XV.) F. Bearing of cover in rear of pivot and head for attaching Pen Wiper. G. Fastening of Pen Wiper.

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- IV. The Wells have a large mouth whereby dipping the pen too far into the ink and soiling the fingers is avoided.
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- VII. The wells are large and (evaporation being prevented) need filling only two or three times during a term.
- VIII. Owing to the shape and thickness of the glass, freezing will not burst them.
- IX. The covers turn only one way and that only quarter of a circle, cannot be twirled, or slammed, or made noisy in any possible way.
- X. They are not liable to be left open.
- XI. The whole design is tasty, the cover representing an inverted shell which serves as a pen dish.
- XII. The wells are low on the desk and not in the way of books or slate.
- XIII. They can be used in holes where other wells have been inserted.
- XIV. The first wells invented having a pen rack attached to the cover.
- XV. They have a head for the attachment of a Pen Wiper—to make which, cut a piece of Chamols skin, 8 inches long, 1½ inches wide, of the shape shown in D. Fig. 3, which, rolled in cloth, d, in size somewhat larger, confining at the center D, d.

Adopted by Boards of Education in the Cities of Chicago, Philadelphia, Detroit, &c., &c.

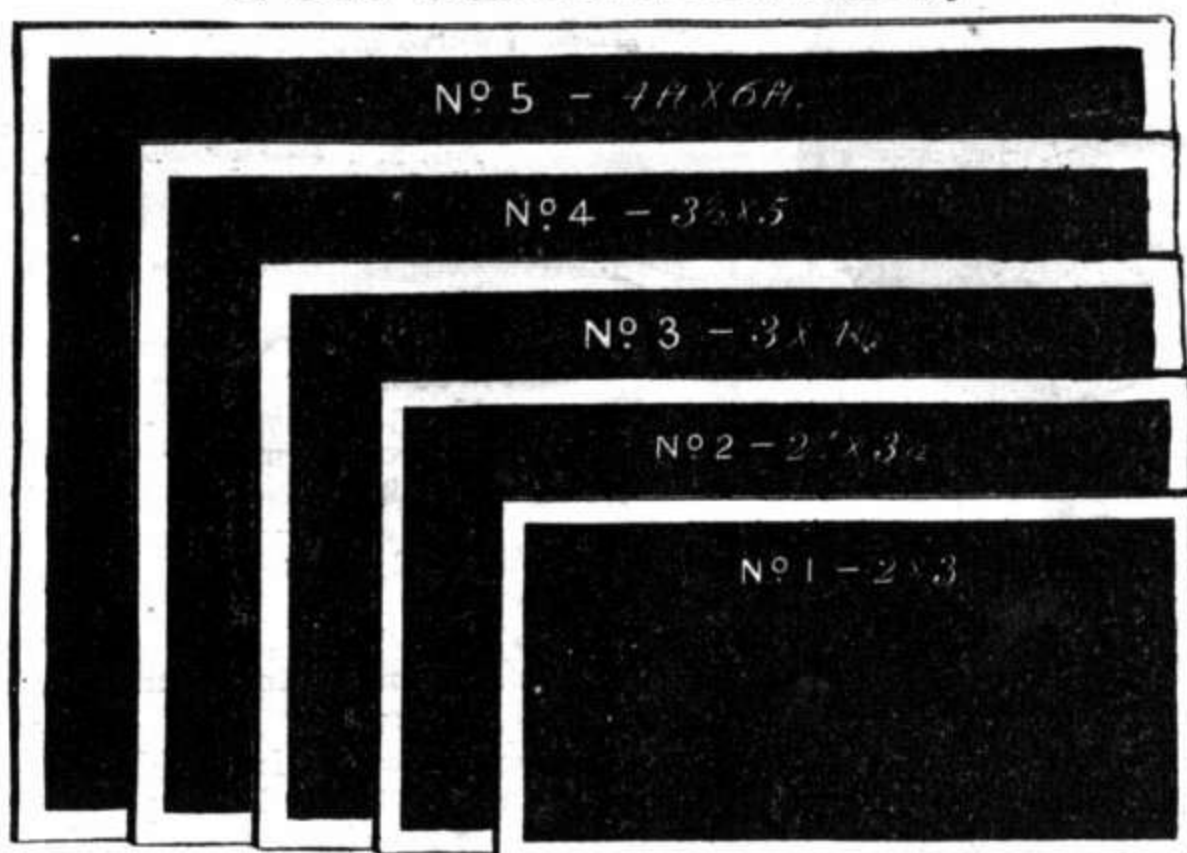
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Plain Boards, without Support (SEE CUT.)

2 by 3 feet,	-	-	-	\$3.50	3½ by 5 feet,	-	-	-	\$9.50
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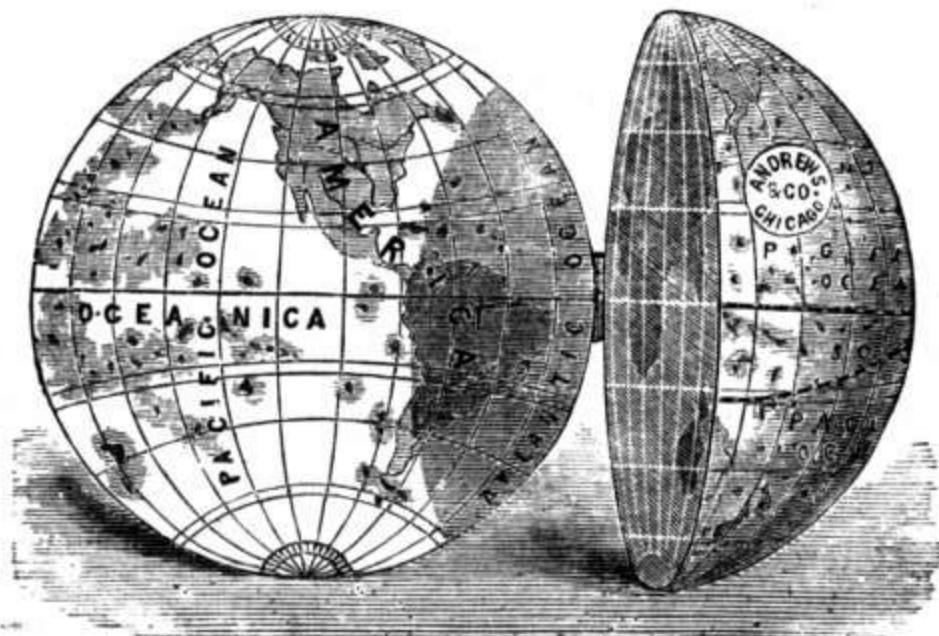
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No. 2.



No. 3.



No. 4.

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" 3.	" " " " like Cut	
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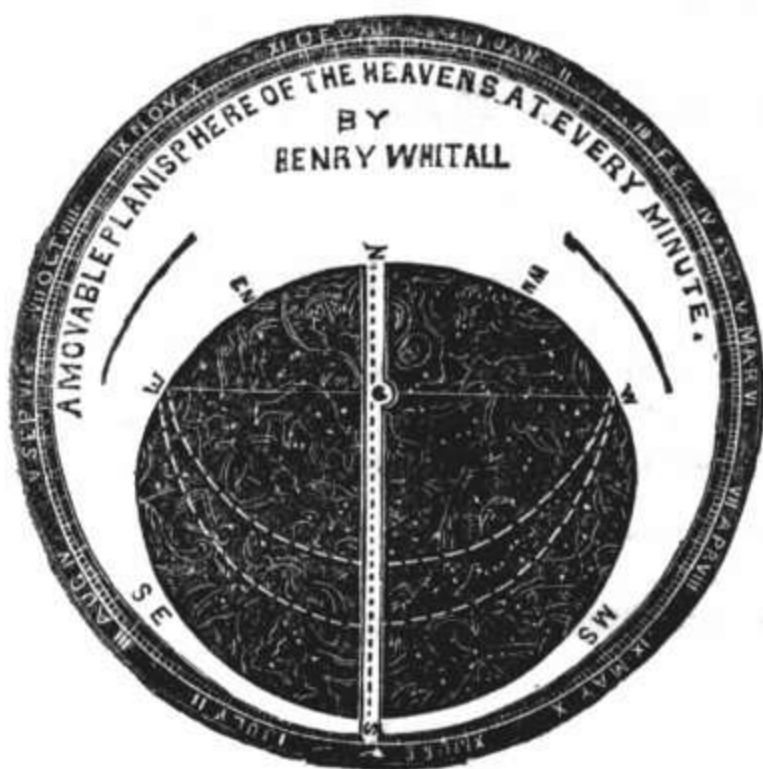
5th—Of the most *convenient* size for general use.

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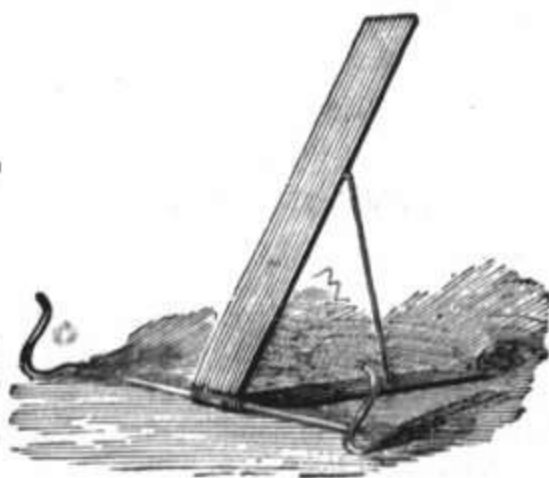
It is made of paper, or sheets of other suitable material, stands upon a pasteboard platform, and is so constructed that it may be readily changed from a globe to a flat circular form, and, by a simple attachment, be enclosed within the covers of an atlas, as one of the maps. When not in use, it may be as conveniently carried or otherwise disposed of as a book.

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I have no hesitation in recommending the charts as being well adapted to use in schools.

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We would add, that, if vocal music were to be taught like this all over the States, we should hear less faulty singing and piano-playing, such as amateurs, without any good basis of the art, are usually tormenting our ears with.

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OFFICE SUPT. PUBLIC SCHOOLS, CITY OF NEW BEDFORD,  
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I consider you as having been a public benefactor in two ways: first, in proving, by most happy experiment, that little children can be taught to read music as easily as they can be taught to read letters and words; and, second, by furnishing such charts as enable all the world to do likewise.

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L. W. MASON, Esq. *Dear Sir,* — Two series of your music-charts have been in use in our schools for the past year.

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CINCINNATI, O., April 29, 1869.

L. W. MASON, Esq. *Dear Sir,* — We have used your music-charts in the public schools of this city for several years, with the most satisfactory results. I can scarcely see how music could be taught by non-professional instructors without their aid.

Very truly yours,

JOHN HANCOCK.

The National Music-Charts should be introduced into every public school in the country.

P. S. GILMORE.

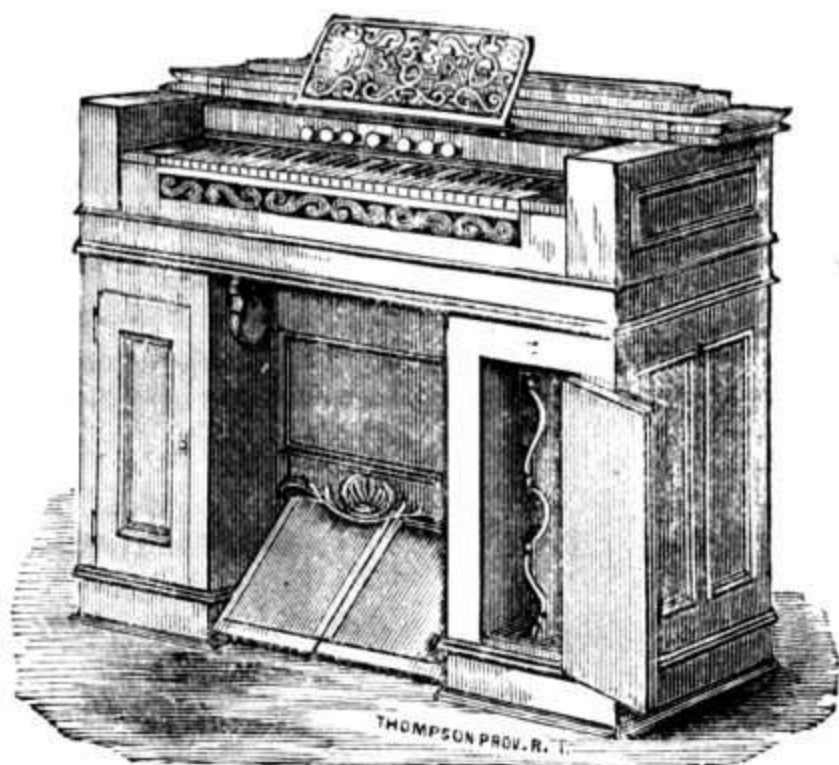
*From the Chairman of the Committee on Music in the Boston Public Schools.*

ROOMS OF THE SCHOOL COMMITTEE,  
BOSTON, May 20, 1869.

I take great pleasure in recommending the music-charts of Mr. L. W. Mason to all who desire to see a real and rapid progress in this branch of common-school instruction. They have been in constant use in the Boston schools for several years, and are still growing in favor with the teachers, as they become habituated to their use.

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BOOK-CASE, patented Sept. 23, 1868.

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#### PORTABLE MELODEONS.

No. 1.	FIVE OCTAVE, Walnut Case	• • • • •	\$75.00
No. 2.	FIVE OCTAVE, Rosewood Case	• • • • •	100.00
No. 3.	SIX OCTAVE, Walnut Case	• • • • •	90.00
No. 4.	SIX OCTAVE, Rosewood Case	• • • • •	115.00

#### PIANO-CASE MELODEONS IN ROSEWOOD.

No. 5.	FIVE OCTAVE, Gothic Legs	• • • • •	125.00
No. 6.	SIX OCTAVE, Gothic Legs	• • • • •	150.00
No. 7.	FIVE OCTAVE, Carved Legs	• • • • •	140.00
No. 8.	SIX OCTAVE, Carved Legs	• • • • •	165.00



# SCHOOL ORGANS, STYLE A AND D.



## SINGLE-REED ORGANS.

### STYLE A.

PORTABLE ORGAN. — FIVE OCTAVE,  
Plain Solid Black-Walnut Case. Price \$85.00

### STYLE B.

FIVE OCTAVE, Solid Black-Walnut  
Bracket Case. Price . . . \$100.00

### STYLE C.

SIX OCTAVE, Solid Black-Walnut  
Bracket Case. Price . . . \$130.00

*Vox Humana in styles A, B, & C,  
\$10.00 extra.*

## DOUBLE-REED ORGANS.

### STYLE D.

FIVE OCTAVE, Solid Black-Walnut Bracket Case, five stops, DIAPASON, MELODIA,  
OCTAVE, FLUTE, VOX HUMANA. Price . . . \$125.00

### STYLE E.

FIVE OCTAVE, Solid Black-Walnut Book Case, five stops, DIAPASON, MELODIA,  
OCTAVE, FLUTE, VOX HUMANA. Price . . . \$150.00

### STYLE F.

SIX OCTAVE, Solid Black-Walnut Bracket Case, five stops, DIAPASON, MELODIA,  
OCTAVE, FLUTE, VOX HUMANA. Price . . . \$180.00

### STYLE G.

FIVE OCTAVE, Solid Black-Walnut Book Case, with one Octave of manual Sub Bass,  
five stops, BOURDON, DIAPASON, MELODIA, OCTAVE, FLUTE. Price . . \$170.00

## THREE-REED ORGANS.

### STYLE H.

FIVE OCTAVE, Solid Black-Walnut Book Case, seven stops, BOURDON, ÆOLINA,  
DIAPASON, MELODIA, OCTAVE, FLUTE, GRAND ORGAN. Price . . . \$240.00

## FOUR-REED ORGANS.

### STYLE I.

FIVE OCTAVE, Solid Black-Walnut Book Case, ten stops, BOURDON, ÆOLINA, DIA-  
PASON, MELODIA, BASSOON, HAUTBOY, OCTAVE, FLUTE, VOX HUMANA,  
GRAND ORGAN. Price . . . \$350.00

The stops, in styles D to I inclusive, are placed over the Keys in the middle of the instrument, and are so arranged that they can be moved without taking the hands from the Keys while playing.

Styles H and I are particularly adapted for Chapels, Lecture-Rooms, Halls, &c.; for, by means of the Grand Organ Stop, changes can be made in the combination instantly, thereby affording every facility for expression that can be obtained in an Organ with two Manuals.

Every Instrument fully warranted.

Particular attention will be given to the manufacture of large Organs, or Fancy-Cased Instruments, to order; and we can refer with pleasure to parties for whom we have built the same.

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Many public institutions have been furnished with pianos from this establishment; and they have proved superior instruments for daily and constant use. They have become very popular with the teachers and pupils, for their excellent tone and action, and their many eminent qualities for standing in tune and keeping in order.

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*The New-England Conservatory of Music, Music Hall, Boston;  
Chelsea Conservatory of Music, Chelsea, Mass.*

*In Public and Private Schools of Chelsea, Reading, Watertown,  
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Newton, Mass.; Manchester, N.H.; Augusta,  
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State Normal School, Bridgewater; Wheaton Female  
Seminary, Norton; Young Ladies' Seminary,  
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All of these Instruments are manufactured in the most thorough manner, have all the modern improvements of merit, and will be warranted to give satisfaction.