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PRICE LIST

OF THE

Brandon Manufacturing Co.'s  
STANDARD



MODERN AND IMPROVED

**SCALES,**

OF THE CELEBRATED

**HOWE & SAMPSON PATENTS,**

ADAPTED TO EVERY BRANCH OF BUSINESS.

THE SCALES MADE UNDER THESE MODERN PATENTS DIFFER FROM ALL OTHERS, COMPLETELY DOING AWAY WITH ALL LONG LEVERS, CHECK-RODS, AND FRICTION ON THE KNIFE EDGES, THEREBY INSURING AN ACCURATE AND DURABLE SCALE.

HOWE and SAMPSON Modern and Improved  
**Standard Scales.**

MANUFACTURERS:

**Brandon Manufacturing Company,**  
**BRANDON, VERMONT.**

Established, 1857.—Incorporated by special act of the Legislature of Vermont in the year 1868.

**N. T. SPRAGUE, Jr., Pres't.**

**DIRECTORS:**

Ex-Gov. J. B. PAGE.

DOUGLAS FRAZAR, of A. A. Frazar & Co.

GEO. H. BROWN, Pres't Dutchess & Columbia R.R. Late of Brown Bros, Bankers.

W. W. REYNOLDS, of Brandon. Supt. of B.M.Co.

The Brandon Manufacturing Company have complete shops and foundry for the manufacture of all parts of Scales. They own one of the finest water powers in the State, and eleven acres of land, with numerous buildings and shops, nearly all of brick and stone. The Rutland R.R. runs directly by their storehouse, giving an opportunity to ship goods at a moment's notice to any part of the world. They own all the celebrated *modern* Sampson and Howe patents, including *all and every patent in existence* for relieving the knife-edges of Scales from friction; or, in other words, all the modern inventions and improvements of practical value in the science of weighing made since the invention of the long, horizontal, and check-rod Scale patented in 1830, forty years ago.

Entered according to Act of Congress, in the year 1870, by A. A. FRAZAR & CO., in  
the Clerk's Office of the District Court of the District of Massachusetts.

# 7970

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THE CELEBRATED



MODERN STANDARD SCALES,

MANUFACTURED BY THE

Brandon Manufacturing Company,

UNDER THE

HOWE AND SAMPSON PATENTS.

IN these days of advancement and the application of mechanism to nearly everything under the sun, improvement upon improvement has been made in every branch of industry and science, and machine after machine has been invented — each an improvement upon its predecessor — until, from crude appliances and rude machines, we have arrived at correct appliances and perfect machines, doing the work that a few years ago took millions of human hands.

Every branch of science and of industry seems to have advanced, in a mechanical point of view, almost

*Sole General Agents for New-England & Canada.*

miraculously, except the science of *weighing correctly and accurately*; this seems to have stood still, with scarcely the slightest change since the invention of the Platform Scale in 1830, with its cumbersome levers and check-rods, till the invention, in 1857, of the celebrated HOWE STANDARD SCALES (with many important improvements since, amounting, in all, to fifteen patents), and, in 1858, of the celebrated SAMPSON STANDARD SCALES, with important improvements in 1859, 1862, 1865, 1866, amounting in all to eight patents.

These modern scales are constructed upon *wholly new and improved principles*, in keeping with the rapid advancement made during late years in the knowledge and application of the laws of mechanics.

These modern scales *differ wholly and completely* from those hitherto in use, discarding at once all cumbersome levers, all check-rods, and all friction upon the knife edges, which have been so long causes of inaccuracy in other scales. The BRANDON MANUFACTURING COMPANY now offer to the public these modern scales, constructed upon correct mathematical principles, and completely freed from the causes of inaccuracy in the old style of scales. These modern scales have their bearings completely protected from *frost and ice*; and from the relief given their knife edges by a system of balls in the Howe patent, and yokes and links in the Sampson patent, *they are unerringly correct at all times*. The Brandon Manufacturing Company, owning all the patents in existence for protecting and relieving the knife edges from friction, can offer to the public a *durable* scale, and

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
one that will remain always *accurate*. These modern scales have repeatedly received the first premiums over all competitors wherever exhibited, amongst which are *seven first premiums at the Vermont State Fairs since 1857*, at which time they were met with the most vigorous competition. In construction they are simplicity itself. Although, comparatively speaking, but a few years before the public, they are performing wonders; and we refer with pride to their *practical* working in the navy yards of the United States, the numerous railroads upon which they are used, and to the testimonials received from the most prominent concerns throughout the country, who have them in use.

N.B.—Our only Warehouse in Boston is 116 FEDERAL STREET.

BRANDON MANUFACTURING COMPANY.

JUNE, 1870.

*When parts of any scale are ordered, the shop number of the scale should always be referred to.* This may be found on the end of the wood cap over the beam of *Platform Scales*, and on the scoop and branches of *Counter Scales*.

 In ordering scales, please copy full directions from this Price List.

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*Sole General Agents for New-England & Canada.*

### IMPORTANT FACTS.

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☞ These modern scales are as much in advance of all others as the steam-car is in advance of the old stage-coach of forty years ago.

☞ These modern scales are perfectly free from any trouble on account of *ice or frost*, having their bearings completely protected and placed wholly under the platform, and not attached to the corners of the outer framework.

☞ The knife edges are relieved from all friction; in the Howe patent, by a system of balls; in the Sampson patent, by a system of yokes and links.

☞ These scales are perfectly correct upon any part of the platform, owing to their self-adjusting bearings, short levers, and the absence of any check-rods to bind them.

☞ In the Sampson patent the platform can be of any length or width, and the beam in any position from the scale, and at any distance that may be desired.

☞ These scales can be adapted to the standard of any country, and the beams graded to weigh in Chinese, Russian, French, Spanish, &c., &c.

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☞ Horizontal cumbersome and trussed levers, of great length, with check-rods, are entirely dispensed with.

☞ They are fully warranted, strong, accurate, and *durable*; and the manufacturers, permanently established, will always be ready to make this warranty good.

☞ They are made of all sizes and capacities, and adapted to all uses, embracing more than one hundred different modifications. Any modifications not now manufacturing can be gotten up on due notice in a very short time.

☞ In a Ten-ton Sampson Patent Scale, the lever is only *nine inches* in length, and vertical, and *cannot spring*.

☞ The public will notice, that these scales are put upon the market with the emphatic assertion that they are *totally different* from the Fairbanks long-lever, check-rods scale, although that firm publish that other makers of scales have made it their "first and chief aim to show that their scales are the same as Fairbanks."

☞ We challenge any scale-maker to a public test with our Sampson Ten-ton Scale, *loaded to its full capacity*, by adding U. S. Standard weights, 50 lbs. at a time, and marking each result on the beam, and then putting the *whole ten tons upon one corner* of the scale, by instalments, as above; or move it about in different positions, on the platform.

Public tests upon the above principle, of scales in actual daily use, were made in May, 1869, in Hartford,

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Conn., Worcester, Mass., Providence, R.I., Portland, Me., and Lowell, Mass.

All these scales were tested beyond the warranted capacity, and the one ton of sealed weights used was added in detail, 50 pounds at a time, the beam marking accurately each change. ONE POUND was sufficient in each instance, to move the beam when the whole load was on the scale. Testimonials (on file with Messrs. A. A. Frazar & Co.) were signed in each place.

☞ The following is the printed report of the Mass. Charitable Mechanic Association, October, 1869, signed by thirty judges, on the Sampson Ten-ton Scale exhibited, and awarded a Gold Medal.

“The combination of bell-crank bars with tension rods in this scale is admirable, and gives facilities *heretofore unknown* for extending railway-track scales to any length that can be desired, with *the certainty of accurate weight upon any part of the platform.*”

The arrangement for relieving the knife-bearing edges from all wear arising from the lateral and longitudinal motions of the platform are *perfect*. We regard this large scale as a *decided and important improvement upon all other scales hitherto in use.* We award, as a *new invention, a Gold Medal.*”

☞ In June, 1869, a load of pig-iron, followed by numerous witnesses, weighing nearly ten tons, was weighed upon four of the long-lever, check-rod, City Scales of Boston and vicinity. *No two of the scales gave the same result.* The greatest variance was *two hundred and fifty pounds*, and the least, *thirty-four pounds*. The weigh-masters' certificates, granted and signed in each instance, are on file with Messrs. A. A. Frazar & Co.

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*Sole General Agents for New-England & Canada.*



**WEIGH-LOCK OR CANAL SCALES.***For Weighing Loaded Canal Boats.***SAMPSON PATENT.**

Capacity of Scale, 150 tons	.	.	.	.	.	.
“ “ 250 “	.	.	.	.	.	.
“ “ 500 “	.	.	.	.	.	.

The Weigh-Lock Scales manufactured by the BRANDON MANUFACTURING COMPANY, are built wholly within the lock; a house over the lock is thus dispensed with, and the cost of the work, both of structure and scales, diminished *several thousand dollars*.

As Canal Commissioner I had occasion to investigate the merits of this scale (Sampson's Patent) as against the Fairbanks and all other scales in use on our canals. We adopted the former, and have had no delays, no breakdowns, and no expenses for repairs.

This certificate is neither requested by the manufacturers, nor paid for directly or indirectly.

I will further say, that with all other scales, except this, we have, on the canals, been subjected to ruinous delays and expensive repairs almost weekly; whereas with this, I am not aware that we have as yet been subjected to any such annoyance. This scale is also remarkably true and accurate.

Very respectfully yours, &c.,

WILLIAM W. WRIGHT,  
*Ex-Canal Commissioner,*  
State of New York.

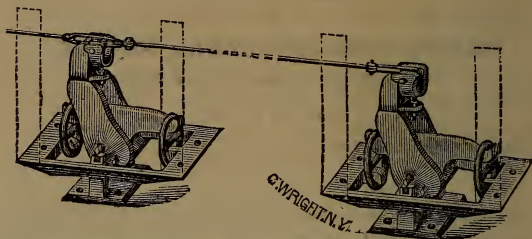
[From the *Chicago Journal*.]

The new Sampson Scales, which have won so many "golden opinions" from the business men and the press of New York, are about to be introduced into the West. \* \* \* Yesterday several gentlemen made a careful inspection of the scale, and all pronounced it one of the most useful inventions of the age.

*Sole General Agents for New-England & Canada.*

## STANDARD RAILROAD-TRACK SCALES.

SAMPSON PATENT.



Principle of the Sampson Patent Railroad-Track Scale.

12 tons, 15 feet platform	.	.	.	.	.	.	.	\$350 00
15 " 20 " "	.	.	.	.	.	.	.	450 00
20 " 23 " "	.	.	.	.	.	.	.	600 00
25 " 28 " "	.	.	.	.	.	.	.	775 00
30 " 33 " "	.	.	.	.	.	.	.	900 00
40 " 42 " "	.	.	.	.	.	.	.	1,000 00
50 " 42 " "	.	.	.	.	.	.	.	1,100 00
65 " 61 " "	.	.	.	.	.	.	.	1,850 00
75 " 84 " "	.	.	.	.	.	.	.	2,200 00
100 " 112 " "	.	.	.	.	.	.	.	2,800 00
150 " 130 " "	.	.	.	.	.	.	.	3,700 00

The above sizes of platforms may be varied to suit the requirements of the purchaser.

The prices for the above are exclusive of timber, foundation, and labor, which are to be furnished at purchaser's expense.

The above scales can be arranged to place *two tracks* upon the platform, and cars passing over either track *be weighed with equal accuracy*. The price will be *much less than the cost of two scales*, and the same amount of work can be accomplished with greater convenience and compactness.

## UNITED STATES NAVY YARDS USING THE SAMPSON SCALE.

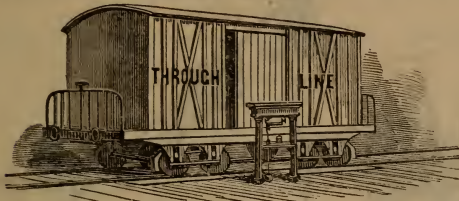
U. S. Navy Yard, Washington, D.C.; U. S. Navy Yard, Philadelphia, Pa.; U. S. Navy Yard, Charlestown, Mass., R.R. Track Scale, 61-foot platform; U. S. Navy Yard, Portsmouth, N.H., R.R. Track Scale, 61-foot platform. The two latter scales are the largest and longest in New England.

The Lehigh Coal and Navigation Co., Penn., have a Sampson R.R. Track Scale, platform 155 feet long—the *largest scale in the world*.

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## STANDARD RAILROAD-TRACK SCALES.

HOWE PATENT.



Capacity,	100 tons,	length of Platform,	112 feet.	Price,	\$
"	100	"	"	102	"
"	90	"	"	92	"
"	80	"	"	82	"
"	70	"	"	72	"
"	60	"	"	62	"
"	50	"	"	52	"
"	50	"	"	42	"
"	40	"	"	42	"
"	30	"	"	32	"
"	20	"	"	20	"
"	12	"	"	12	"
					2,000 00
					1,750 00
					1,400 00
					1,100 00
					1,000 00
					900 00
					600 00
					350 00

The Track Scales require a total depth of only twenty-one to twenty-four inches; the foundation consisting of stone piers, extending across the track at intervals of ten feet, the upper surface or piers being twenty-one inches below the base of the rail. No excavation is required *below* the upper surface of the piers. This scale is so constructed that it can be extended at any subsequent time to any length, without in any way deranging the scale already built—an advantage of considerable importance.

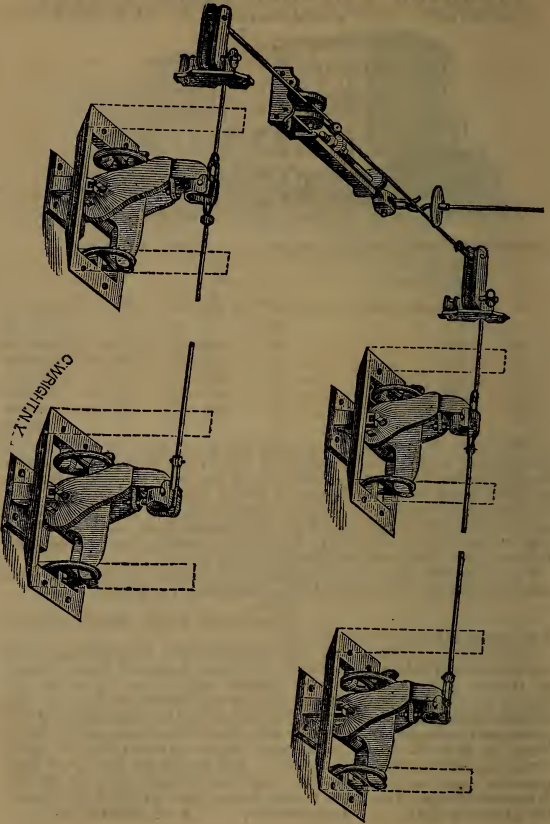
Prices for the above are exclusive of timber, foundation, and labor, which are to be furnished at purchaser's expense.

HAZELTON, Penn., March 18, 1870.

BRANDON MANUFACTURING CO.

GENTLEMEN,—While our firm managed the transportation on the Hazelton Railroad, we had in use *three* Railroad-Track Scales of Howe's Patent, which gave entire satisfaction. One of the Scales referred to was washed out in the great freshet on the Lehigh in 1862, and, in repairing, a portion of the scale (some of the principal bearings) was taken to the office of the Company in New York, to show the wear, which was almost INFINITESIMAL, after weighing over 1,000,000 tons of coal. The Scales are two of 50 tons capacity (each) at Penn Haven, and one 30 tons capacity at the Hazelton Shops. The Penn Haven Scales have weighed MILLIONS OF TONS OF COAL. Respectfully, A. PARDEE & CO.

*Sole General Agents for New-England & Canada.*



*Iron Parts of a Sampson Patent Standard Platform Scale, in position.*

*Sole General Agents for New-England & Canada.*

**STANDARD HAY, COAL, & CATTLE SCALES.**

## SAMPSON PATENT.

Capacity, 4 tons.	Platform, 8 x 14 feet	Price, \$	
" 5 "	" 8 x 14 "	" 225	00
" 6 "	" 8 x 14 "	" 250	00
" 8 "	" 8 x 14 "	" 275	00
" 10 "	" 8 x 14 "	" 300	00
" 12 "	" 10 x 14 "	" 350	00
" 15 "	" 12 x 16 "	" 450	00

The above sizes of Platforms may be varied to suit the requirements of the purchaser.

The above prices are exclusive of timber, foundation, and labor, which are to be furnished at purchaser's expense. Pillars and Cap and Tare Beam, extra. Beam can be placed in any position.

The Detroit and Lake Superior Smelting Co., the largest and most important in the United States, weigh their copper, 13,000 tons annually, valued at about *nine million dollars*, on a fifteen-ton SAMPSON SCALE, and recommend it, in writing, in these words,—  
*"We are better satisfied with it than any Scale we have ever used."*

[From the *New-York Times*.]

A MARVELOUS INVENTION.—The Inventors claim that the Sampson Scale, in accuracy, sensitiveness of balance, facility of weighing, exactness of adjustment, durability, cheapness, and simplicity of construction, adaptability to location, and compactness, possesses peculiar advantages. From the experiments which were made yesterday at the salesrooms, these claims do not appear to be exaggerated. \* \* \* \* It is curious to notice its sensitiveness and accuracy for weighing, on the same platform, any article from two ounces to ten tons, or even a greater weight, there being no limit to the capacity of the Scale, as the principle of construction can be carried out to ascertain, with perfect accuracy, the weight of the GREAT EASTERN, as easily as to find out the weight of a bale of hay.

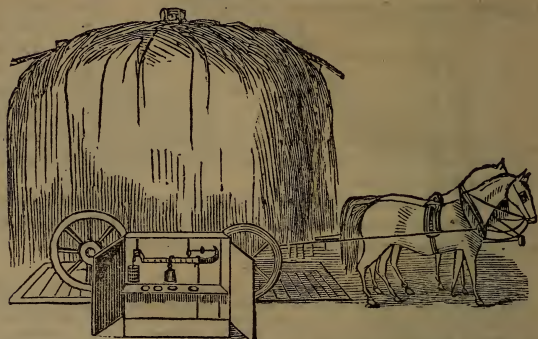
[From the *Boston Evening Transcript*.]

The Sampson Scale, adapted to every description of weight measure, is apparently destined to supplant in the favor of both dealers and consumers, those that have heretofore been considered the standards in traffic. \* \* \* The small outlay required to put one in place, and the ease with which it is adjusted, even to the fraction of a pound where tons are in question, will create a large demand for it when its good qualities are more thoroughly made known to the public.

*Sole General Agents for New-England & Canada.*

## STANDARD HAY, COAL, &amp; CATTLE SCALES.

HOWE PATENT.



Capacity, 20 tons.	Size of Platform, 8 x 22 feet.	Price,	\$400 00
" 15 "	" " " 8 x 18 "	" "	360 00
" 10 "	" " " 8 x 18 "	" "	330 00
" 10 "	" " " 8 x 15 "	" "	300 00
" 8 "	" " " 8 x 14 "	" "	260 00
" 6 "	" " " 8 x 14 "	" "	225 00
" 5 "	" " " 8 x 14 "	" "	190 00
" 4 "	" " " 8 x 14 "	" "	165 00
" 3 "	" " " 8 x 14 "	" "	145 00

The above prices are exclusive of timber, foundation, and labor. Scales of other sizes and different proportions will be furnished on short notice at corresponding prices.

These scales require a total depth of *only* 16 to 24 inches. They are easily set on the surface of the ground, by "grading up" at each end for convenience of driving on and off. The cost of preparing a foundation for any of the above scales is *less than one-third* the cost of any scale generally in use.

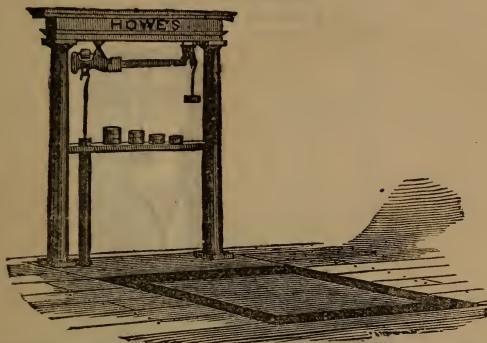
The *Brandon Manufacturing Company* have FIFTEEN PATENTS, five issued within the past two years, which secure to them advantages not possessed by other scale makers. By introducing Chilled Iron Balls between the platforms and the knife-edges, and by making all the bearings SELF-ADJUSTING, they take nearly all the wear from the pivots, upon the sharpness of which the accuracy and durability of all scales very largely depends.

*Sole General Agents for New-England & Canada.*



## STANDARD RAILROAD DEPOT SCALES.

HOWE PATENT.



Capacity,	6 tons.	Size of Platform,	9 x 10 feet.	Price,	\$275 00
"	4 "	"	" 7 x 9 "	"	225 00
"	3 "	"	" 6 x 8 "	"	200 00
"	3 "	"	" 5 x 6 "	"	175 00
"	2 "	"	" 5 x 6 "	"	150 00

Prices for the above are exclusive of timber and foundation, which are to be furnished at purchaser's expense. Depot Scales of other sizes and different proportions will be furnished on short notice at corresponding prices.

The Howe Scales have taken the First Premium wherever exhibited; among which are *seven premiums at the Vermont State Fairs since 1857*, at which time they met with the most vigorous competition. A GOLD MEDAL at the Fair of the Mass. Charitable Mechanic Association in 1860, and a SILVER MEDAL from the same Association at its Fair in 1865, for *improvements made since 1860*; and, in 1869, a SILVER MEDAL, for *improvements made since 1865*.

WATERTOWN, N. Y., Jan. 21, 1870.

BRANDON MANUFACTURING CO.

GENTS.,— I take pleasure in testifying that the Howe's Standard Scales, used by the Rome, Watertown & Ogdensburg R. R., and the Oswego & Rome R. R., have given *entire satisfaction*, having been in use constantly, and proving *accurate and durable*. I can cordially recommend them to any one wanting a reliable scale.

Yours truly,

J. W. MOAK,

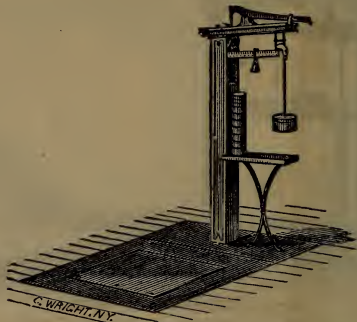
General Supt. R.W. & O.R.R.

*Sole General Agents for New-England & Canada.*



**DORMANT WAREHOUSE SCALES.***With One Pillar.*

SAMPSON PATENT.



No.	Capacity,	Platform,	Price,
4.	1200 lbs.	19 x 28 in.	\$50 00
5.	1400 "	23 x 32 "	65 00
6.	1600 "	23 x 32 "	70 00
7.	2000 "	29 x 35 "	78 00
8.	2500 "	31 x 37 "	88 00
10.	3500 "	42 x 42 "	98 00
11.	5000 "	48 x 48 "	145 00

These scales are fitted with our Patent Drop Lever, which lowers the platform without moving the beam — a great improvement over the old-fashioned drop-lever.

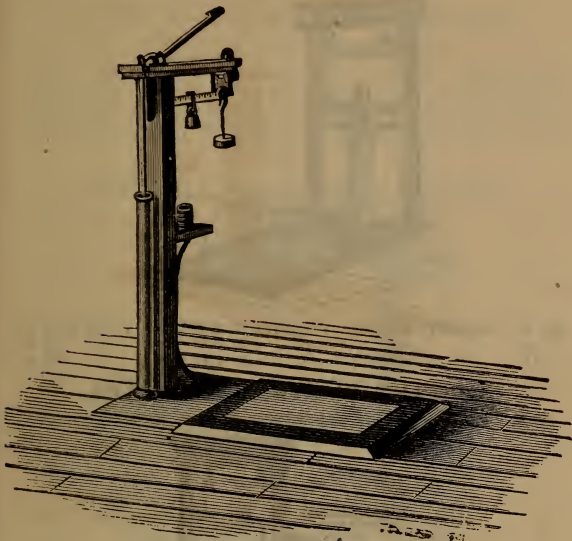
[From the *New-York Evangelist*.]

Simplicity, rigidity, economy, and adaptability to any location, are the leading advantages claimed for the Sampson Scales; and these are of such a character that the scales will, in time, largely supersede those of other prominent manufacturers.

[From the *Philadelphia North American and U.S. Gazette*.]

An improvement whose value is only to be estimated by public inspection. These scales have been in existence for about eight years, taking premiums wherever presented, but until lately they have not been manufactured in numbers sufficient to be supplied to the community in general. The Sampson Scale must entirely revolutionize the present system of scale-making.

*Sole General Agents for New-England & Canada.*

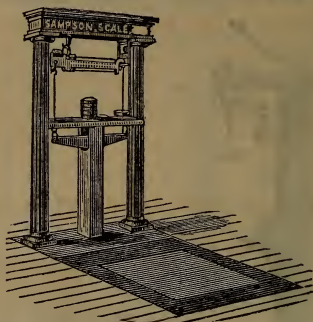
**DORMANT WAREHOUSE SCALES.***With One Pillar.* — HOWE PATENT.

These scales are fitted with our Patent Drop Lever, which lowers the platform without moving the beam — a great improvement over the old-fashioned drop lever.

No. 3.	Capacity	3500 lbs.	Platform	36 x 44 inches.	Price,	\$98 00
" 4.	"	2500 "	"	38 x 26 "	"	88 00
" 5.	"	2000 "	"	32 x 24 "	"	78 00
" 6.	"	1500 "	"	32 x 24 "	"	68 00
" 7.	"	1200 "	"	19 x 28 "	"	55 00

These scales are set in the floor, and weigh from one-half a pound to three thousand five hundred pounds. Used in Railroad Depots, Warehouses, Wholesale Stores, Forwarding-houses, &c., &c. These scales are extremely useful where a stationary scale is needed made level with the floor.

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**DORMANT WAREHOUSE SCALES.***With Two Pillars.—SAMPSON PATENT.*

No. 8.	Capacity, 2500 lbs.	Platform, 31 x 37 in.	Price, \$100 00
" 10.	" 3500 "	" 42 x 42 "	" 115 00
" 11.	" 5000 "	" 48 x 48 "	" 165 00

**DORMANT WAREHOUSE SCALES.***With Two Iron Pillars and Sliding Poise.—HOWE PATENT.*

No. 1.	Capacity, 5000 lbs.	Platform, 48 x 48 inches,	Price, \$165 00
" 2.	" 4000 "	" 48 x 48 "	" 150 00
" 3.	" 3500 "	" 43 x 45 "	" 115 00
" 4.	" 2500 "	" 38 x 36 "	" 100 00
" 5.	" 2000 "	" 38 x 36 "	" 90 00

*Sole General Agents for New-England & Canada.*

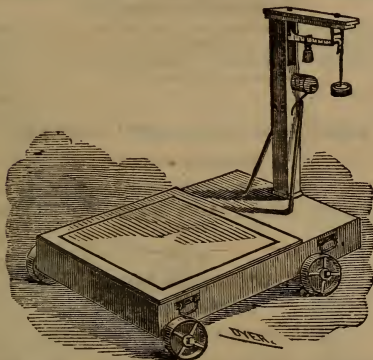
**PORTABLE WAREHOUSE SCALES.***With Three Wheels.—HOWE PATENT.*

No. 5. Capacity, 2000 lbs. Platform 32 x 23 inches. Price, \$75 00

This scale rests upon the floor, like a scale without wheels. Whenever necessary to move it, a turn of the handle raises it on its wheels. This improvement is valuable where a heavy load is to be weighed, as it saves lifting the load several inches.

**PORTABLE WAREHOUSE SCALES.**

HOWE PATENT.



*With heavy wheels and axles, designed for the heaviest class of work which requires a moveable scale.*

No.	Capacity,	Platform,	Platform,	Price,	With Wheels.	Without Wheels.
No. 1.	5000 lbs.	48 x 48.	48 x 48.	\$180 00	\$165 00	\$165 00
" 2.	4000 "	" "	43 x 45.	" 135 00	120 00	120 00
" 3.	3500 "	" "	36 x 44.	" 115 00	100 00	100 00
" 4.	2500 "	" "	38 x 26.	" 100 00	90 00	90 00
" 5.	1500 "	" "	32 x 24.	" 75 00	65 00	65 00

*Sole General Agents for New-England & Canada.*

**FURNACE CHARGING SCALES.**

HOWE PATENT.

This scale is designed for charging a furnace with a given quantity of four or more different kinds of ore, flukes, coal or metal. It is so arranged that (by means of indicators outside of a locked beam box) all the weighing can be done by a person who cannot read; the indicators being first arranged by the foreman.

Capacity, 2000 lbs. Platform, 43 x 43 inches. . . Price, \$200 00

**LEATHER DEALERS' SCALES.**

HOWE PATENT.

*With high, open wheels, light vibratory axle, sliding block poise, and graduated counterpoise.*

Capacity, 2500 lbs. Platform, 23 x 32 inches. . .	Price, \$100 00
Same scale with common counterpoise. . .	" 95 00
Capacity, 1200 lbs. Platform, 19 x 28 inches, } common counterpoise, }	" 70 00

**LEATHER DEALERS' SCALES.**

SAMPSON PATENT.

*With high wheels, vibratory axle.*

Capacity, 2000 lbs. Platform, 28 x 24 inches. . .	Price, \$100 00
" 2500 " " 28 x 24 " . . .	" 120 00

**WOOL SCALE.**

HOWE PATENT.

*With low wheels, and vibratory axle.*

Capacity, 1000 lbs. Platform 43 x 30 inches. . . Price, \$75 00

**DORMANT FLOUR PACKING SCALES.**

HOWE PATENT.

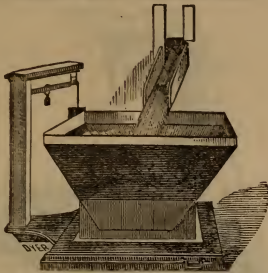
*Can be used under the press as a Packing Scale, or separately as a Dormant Scale.*

Capacity, 900 pounds . . . Price, \$50 00

These scales have our Patent Drop Lever arrangement, with which the platform can be raised or lowered, by a movement of the foot, *without moving the beam.*

*Sole General Agents for New-England & Canada.*

**GRAIN OR HOPPER SCALES.—HOWE PATENT.**



FOR MILLS, ELEVATORS AND WHARVES.

Capacity, 500 bushels.	Price, with two iron Pillars,	\$340 00
“ 300	“ “ “	280 00
“ 150	“ “ “	200 00
“ 125	“ “ “	175 00
“ 100	“ “ “	150 00
“ 60	“ “ one Pillar,	100 00
“ 40	“ “ “	92 00
“ 30	“ “ “	83 00

**ARMY OR COMMISSARY SCALE.—HOWE PAT.**

Fig. 2



Can be closed in half a minute so as to form a complete and very strong box, which is ready for rough handling or transportation. More than 4,000 of them were used by the United States Army during the late war.



No. 7.	Capacity, 1200 lbs.	Platform, 19 x 28 inches.	Price, \$50 00
“ 9.	“ 600 “	“ 16 x 24 “	“ 40 00

*Sole General Agents for New-England & Canada.*

## ROLLING MILL OR IRON SCALE.

HOWE PATENT.



*With high wheels and vibratory axle. Extra platform with the new Patent Drop Lever.*

No. 1.	Capacity, 4000 lbs.	Platform 40 x 32 inches.	Price, \$160 00
" 2.	" 2500 "	" 32 x 23 "	125 00

Extra platform of the No. 1 Rolling Mill Scale is covered with Boiler Plate Iron.

### SAMPSON PATENT.

No. 1.	Capacity, 3500 lb.	Platform, 30 x 36 in.	Price, \$150 00
" 2.	" 5000 "	" 34 x 40 "	" 185 00
	" 5000 "	with low pillar,	" 200 00

[From the *New-York World*.]

Some of the principal advantages which the Sampson Scale possesses over other kinds are: That the lever is very short, and does not spring, as a longer one does; the weights indicate the fractions of a pound even upon a large hay scale, while the weighing beam is so arranged as to mark the tons, hundreds, and pounds at the same time. A load may be placed upon any part of the platform without in any way affecting the indication of its weight. The machinery is simple, and not liable to get out of order.

[From the *Boston Post*.]

The Sampson Scale is coming into very general use, and receives universal commendation. Although but recently introduced into the market, their merits are so obvious as to command the immediate appreciation of the business public. The official certificates of their excellence are strong and incontestable, and in use they bear out the character which is given them.

*Sole General Agents for New-England & Canada.*



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**WAREHOUSE OR PORTABLE SCALES.**

HOWE PATENT.



*Without Wheels.*

No.	Capacity,	Platform,	Price,
4.	2500 lbs.	32 x 23 inches.	\$80 00
5.	2000 "	32 x 23 "	70 00
6.	1500 "	30 x 21 "	55 00
7.	1200 "	28 x 19 "	45 00
8.	900 "	25 x 17 "	39 00
9.	600 "	24 x 16 "	30 00
10.	400 "	22 x 14 "	23 00
11.	300 "	19 x 13 "	19 00

SAMPSON PATENT.

No.	Capacity,	Platform,	Price,
0.	300 lbs.	13 x 19 inches.	\$19 00
1.	400 "	14 x 22 "	23 00
2.	600 "	16 x 24 "	30 00
3.	1000 "	17 x 25 "	40 00
4.	1200 "	19 x 28 "	45 00
5.	1400 "	21 x 30 "	52 00
6.	1600 "	21 x 30 "	60 00
7.	2000 "	23 x 32 "	70 00
8.	2500 "	23 x 32 "	80 00

[From the *Boston Daily Advertiser.*]

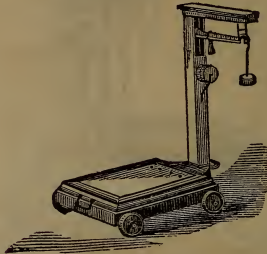
Messrs. Chickering & Sons have now in use one of the Sampson Patent Platform Scales. \* \* \* \* Its inventors have obtained, through the application of correct mathematical principles, the result of weighing with equal nicety a weight of five or six ounces, or as many tons, and have also made other important improvements by which it is claimed they have completely obviated the weak points of other scales, and insured the utmost durability.

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*Sole General Agents for New-England & Canada.*

## WAREHOUSE OR PORTABLE SCALES.

HOWE PATENT.



With Wheels.

No.	Capacity,	Platform	Price,
4.	2500 lbs.	32 x 23 inches.	\$85 00
5.	2000 "	32 x 23 "	75 00
6.	1500 "	30 x 21 "	60 00
7.	1200 "	28 x 19 "	49 00
8.	900 "	25 x 17 "	43 00
9.	600 "	24 x 16 "	33 00
10.	400 "	22 x 14 "	26 00

SAMPSON PATENT.

No.	Capacity,	Platform,	Price,
1.	400 lbs.	14 x 22 inches.	\$26 00
2.	600 "	16 x 24 "	33 00
3.	1000 "	17 x 25 "	45 00
4.	1200 "	19 x 28 "	49 00
5.	1400 "	21 x 30 "	56 00
6.	1600 "	21 x 30 "	65 00
7.	2000 "	23 x 32 "	75 00
8.	2500 "	23 x 32 "	85 00
9.	3000 "	32 x 40 "	100 00

[From the *New-York Tribune*.]

Nothing surprises the spectators more than to see a Sampson Scale weigh small weights. A pound, or a half pound, is indicated as unerringly as two, five, or ten tons; and when any small weight is added or withdrawn from enormous ones, it is shown as quickly as on the grocer's counter scales in weighing tea or spices.

*Sole General Agents for New-England & Canada.*

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**WAREHOUSE OR PORTABLE SCALES.**

HOWE PATENT.



With heavy wheels and Patent Drop Lever, which raises the platform entirely off the working part of the scale while it is being loaded. *This is done without moving the beam.*

No.	Capacity	Platform	Price, \$
1	4000 lbs.	40 x 32 inches.	135 00
2	3500 "	40 x 32 "	125 00
4	2500 "	23 x 32 "	92 00
5	2000 "	23 x 32 "	80 00
6	1500 "	21 x 30 "	70 00
7	1200 "	19 x 28 "	58 00
8	1000 "	17 x 25 "	50 00

—

**SAMPSON PATENT.**

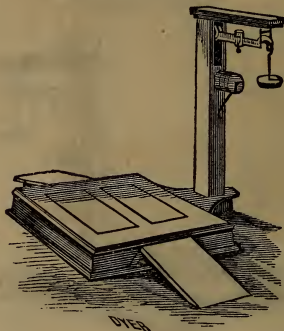
No.	Capacity	Platform	Price \$
3	1000 lbs.	17 x 25 in.	55
4	1200 "	19 x 28 "	63
5	1400 "	21 x 30 "	69
6	1600 "	21 x 30 "	75
7	2000 "	23 x 32 "	85
8	2500 "	23 x 32 "	100
9	3000 "	32 x 40 "	125

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*Sole General Agent for New-England & Canada.*

**WHEELBARROW SCALES.**

HOWE PATENT.



			With Wheels.	Without Wheels.
Platform 43 x 30 in.	Capacity, 1000 lbs.	Price, \$67 00		\$62 00
" 43 x 30 "	" 1500 "	" 78 00		72 00

**SAMPSON PATENT.**

			With Wheels.	Without Wheels.
Capacity, 1000 lbs.	Platform, 42 x 30 in.	Price, \$68 00		\$63 00
" 1500 "	" 43 x 30 "	" 80 00		75 00
" 2000 "	" 43 x 30 "	" 90 00		80 00

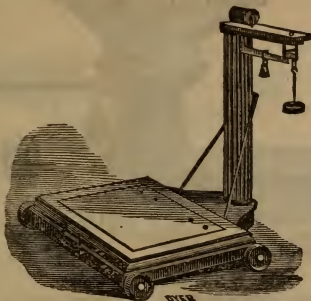
[From the *Philadelphia Evening Bulletin*.]

The Sampson Scales, just introduced by Morris, Wheeler & Co., are of large size, capable of weighing six tons each; but they are such marvels of accuracy that they indicate variations of three or four ounces as promptly as the counter scales of a retail grocer. By a very ingenious but simple arrangement, these huge scales are entirely unaffected by the oscillations caused by driving loaded wagons upon them, and the bearings are so equalized that the weight may be placed upon any part of the platform with the same accurate result.

*Sole General Agents for New-England & Canada.*

**GRAIN OR PORK SCALES.**

HOWE PATENT.



*With Sliding Poise.*

Designed for weighing heavy and bulky articles, which require a strong scale with large platform.

Capacity,	Platform,	Price,	With Wheels.	Without Wheels.
1000 lbs.	43 x 30 in.	\$68 00		\$63 00
1500 "	43 x 30 "	80 00		73 00
2000 "	43 x 30 "	90 00		82 00

**PORK SCALE.**

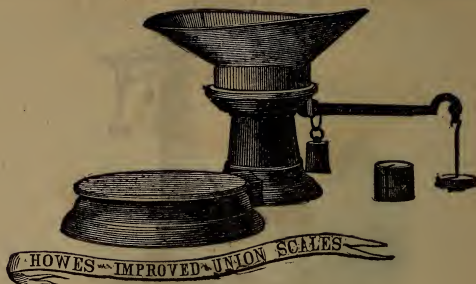
SAMPSON PATENT.

Capacity,	Platform,	Price,	Without Wheels.
1000 lbs.	42 x 30 in.	\$68 00	\$63 00
1500 "	43 x 30 "	80 00	75 00
2000 "	43 x 30 "	90 00	80 00

The Brandon Manufacturing Company have FIFTEEN PATENTS on the Howe Scale, five issued within the past two years, and EIGHT on the Sampson Scale, which secure to them advantages not possessed by other scale makers. By introducing Chilled Iron Balls between the platforms and the knife-edges, and by making all the bearings SELF-ADJUSTING in the Howe Patent, and by a system of yokes and links in the Sampson Patent, they take all the wear from the pivots, upon the sharpness of which the accuracy and durability of all scales very largely depend.

*Sole General Agents for New-England & Canada.*

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**IMPROVED UNION OR FAMILY SCALES.**


Capacity,  $\frac{1}{2}$  oz. to 240 lbs.

This scale has a double platform and scoop, and is particularly adapted to family use. All the working parts of the scales are entirely covered by our Patent Frame, which not only secures them from outside obstructions, but keeps all the parts in place when the scale is roughly handled.

Price, with tin scoop, single beam,	. . . . .	\$14 00
“ “ “ double “	. . . . .	15 00
“ “ brass scoop, single beam,	. . . . .	15 00
“ “ “ “ double “	. . . . .	16 00

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**UNION OR FAMILY SCALES.**

SAMPSON PATENT. *Square Platform.*

Capacity,  $\frac{1}{2}$  oz to 240 lbs.

Tin scoop and single beam,	. . . . .	Price, \$14 00
“ “ “ double “	. . . . .	“ 15 00
Brass “ “ single “	. . . . .	“ 15 00
“ “ “ double “	. . . . .	“ 16 00

[From the *New-York Evening Post.*]

The new scale, made under the Sampson Patents, is a marked improvement upon former inventions of the kind. All the friction and wear and tear, caused by oscillations of the platform, come upon a system of yokes and links, preserving the pivot-edges from destruction, and insuring great delicacy. The greatest length of the lever is nine inches; and the automatic action is so nicely adjusted, that, when tons are weighed, the fraction of a pound turns the beam.

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*Sole General Agents for New-England & Canada.*

**IMPROVED GROCERS' SCALES.**

*With the Patent Frame.*



*Capacity, one-half ounce to 62 pounds.*

Price, with tin scoop and single beam,	. . . . .	\$12 00
" " " " double "	. . . . .	13 00
" " brass scoop, and single beam,	. . . . .	13 00
" " " " double "	. . . . .	14 00

**IMPROVED LETTER BALANCE.**

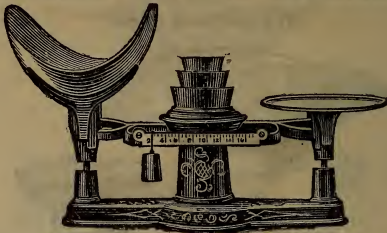


Arranged so that it may be used for other weighing than letters.

Capacity, $\frac{1}{4}$ to 8 ounces, price,	. . . . .	\$3 00
" $\frac{1}{2}$ to 8 " "	. . . . .	3 00
" $\frac{1}{2}$ to 34 " "	. . . . .	6 00

*Sole General Agents for New-England & Canada.*



**PATENT EVEN BALANCE.—HOWE PATENT.***With or without Side Beam.*

The lever and pivots of these scales are covered and protected by the case or frame, which also forms a platform for holding the weights when not in use. The exclusive right to use these valuable improvements is secured by two patents recently issued.

No. 0.	Price, with tin scoop,	.	.	.	\$ 9 00
"	" " " " and side beam,	.	.	.	10 00
"	" " " brass scoop,	.	.	.	10 00
"	" " " " and side beam,	.	.	.	11 00
"	" " " " " " " fancy painted,	.	.	.	12 50

The above prices include weights to weigh from  $\frac{1}{2}$  ounce to 16 lbs. From four to eight pounds of extra weights can be used with the No. 0 Scales if desired, in which case they will be furnished at 15 cents per pound.

No. 1.	Price, with tin scoop,	.	.	.	\$7 00
"	" " " " and side beam,	.	.	.	7 50
"	" " " brass scoop,	.	.	.	7 50
"	" " " " and side beam,	.	.	.	8 00
"	" " " " " " " fancy painted,	.	.	.	9 00

The above prices include weights to weigh 8 lbs. From one to four pounds of extra weights can be used with these Scales if desired, in which case they will be supplied at 15 cents per pound.

**PLATFORM COUNTER SCALES.**

HOWE PATENT.

No. 11. Capacity, 300 lbs. Platform, 13 x 19 inches. Price, \$18 00.

*Sole General Agents for New-England & Canada.*

**PATENT EVEN BALANCE.**

HOWE PATENT.

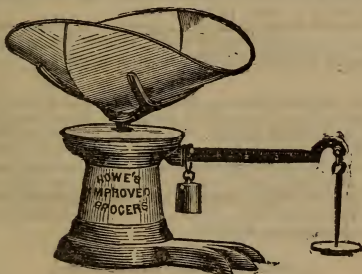


No. 2, Without Side Beam.

Price, including weights from $\frac{1}{2}$ oz. to 4 lbs., tin scoop,	\$5 00
“ with brass scoop,	5 50
“ “ “ “ fancy painted,	6 25

An extra one or two pound weight will be furnished at 15 cents per pound.

**IMPROVED GROCERS' SCALES.**



Capacity, One-half ounce to 36 Pounds.

Price, with tin scoop,	10 00
“ “ brass scoop	\$11 00

*Sole General Agents for New-England & Canada.*

**PATENT EVEN-BALANCE TEA SCALE.**

HOWE PATENT.

No. 1. Price with Brass Scoop,	. . . . .	\$15 00
" " " " " " " and side beam,	. . . . .	15 50

The above prices include *brass* weights to weigh 8 lbs.

This scale is painted green, richly ornamented with gold leaf, with an ornamental T on the centre column.

**EVEN-BALANCE BUTTER SCALE.**

HOWE PATENT.

Capacity, 16 lbs. with one Iron and one Porcelain Square Plate.

No. 0, Price without side beam,	. . . . .	\$9 00
" " " with " " " " " " " " " " "	. . . . .	10 50

**NEST WEIGHTS.**

Iron, 15 cents per pound. Brass (solid) 75 cents per pound.

[From the *Philadelphia Press*.]

ANOTHER TRIUMPH IN SCIENCE AND ART.—For many years a monopoly was enjoyed, and justly, too, by the manufacturers of Fairbanks' Platform Scales; but at last this celebrated invention has been rivaled by a Mr. Elnathan Sampson, who has produced a scale far superior in every point of view.

It may be said that there is no friction in these scales; or, if there is, it is so infinitesimally small, that it would have no effect upon the scales, though in daily use for a century.

[From the *Philadelphia Commercial List and Price Current*.]

Having carefully examined the Sampson Scale, we shall refer to a few of its superlative merits. Originally perfect in point of principle, the Sampson Scale, by successive improvements supplied by the best scientific and mechanical talent, has become incomparably superior to all others, and now stands, *par excellence*, and by the common consent of the thousands who have examined and used it, as the *best Platform Scale of the age*, having established itself as the *great and exclusive favorite*.

[*Baltimore Daily Commercial*.]

"The Sampson Platform Scale." \* \* \* The simplicity and accuracy of this scale are indeed marvelous, and render it superior to any scale ever heretofore manufactured, and its sensitiveness and ingenuity are not surpassed by any invention of the day.

*Sole General Agents for New England & Canada.*

**MINERS' AND TRANSPORTATION SCALES.**

Capacity, 3 tons.	Size of Platform, 5 x 6 feet.	Price, \$175 00
" 3 "	" " 4 x 6 "	" 150 00
" 2 "	" " 4 x 6 "	" 125 00

Prices for the above are exclusive of timber and foundation, which are to be furnished at purchaser's expense.

**PLATFORM-SCALE WEIGHTS.**

IRON, 20 CENTS PER POUND. BRASS, \$1.00 PER POUND.

**Hanging Poises for Platform Scales.**

IRON, 50 CENTS @ \$1.00. BRASS, \$1.00 @ \$1.50.

**Counter-Poises for Platform Scales.**

IRON, 50 CENTS @ \$1.50. BRASS, \$3.00 @ \$5.00.

[From the *Baltimore Times*.]

The Sampson Scale excels in accuracy of weighing, facility and exactness of adjustment, durability and general usefulness, any scale in use.

WHEN PARTS OF ANY SCALE ARE ORDERED, THE SHOP NUMBER OF THE SCALE SHOULD ALWAYS BE REFERRED TO. This may be found on the end of the wood cap over the beam of Platform Scales, and on the scoop and branches of Counter Scales.

*In ordering Scales, please copy full directions from Price List.*

Local agents in every town of importance.

*Sole General Agents for New-England & Canada.*

## HOWE vs. FAIRBANKS.

VERMONT STATE FAIR, BURLINGTON, VT., 1857.  
Extract from the Vermont State Agricultural Society's  
Official Report, Sept. 19th, 1857:—

“Outside of the Hall were two-Hay Scales, one manufactured by John Howe, Jr., of Brandon, Vermont, and the other by Messrs. Fairbanks, of St. Johnsbury, Vermont. The former is constructed upon a new principle, it is claimed. It carried off the premium, as being more accurate in weighing, according to the various tests to which it was subjected.

Account of trial of Scales at Vermont State Fair,  
1858 (from the Burlington *Free Press*):—

“We premise by remarking that, at the State Fair, at Montpelier, last year, two competitors on Scales appeared; and after the trial, the *first premium* was awarded to John Howe, Jr., of Brandon, for Hay Scales, and the second to E. & T. Fairbanks & Co., of St. Johnsbury. The same parties met again, in Burlington, this fall, prepared for a thorough trial of the respective merits of the Scales, the one party desiring to retain its new pre-eminence, and the other determined to regain its lost prize. A thorough trial was instituted, and the following were some of the severe tests applied: Five tons of railroad iron were placed in turn upon the Scales, and the whole mass moved first to one side of the platform and then to the other, and an additional weight of 1,000 lbs. in 50 lb. weight was weighed while the five tons occupied the various positions. Again, 2,000 lbs. of iron were placed upon a truck, and weighed successively on each of the four corners of the platform and in the center of it. Small weights of from 2½ lbs. to 5 lbs. were then weighed. Men were weighed singly and together, and single and aggregate weights were compared, to see if there were any variation. The Committee, before whom the trial was made, state that the *Howe Scales exhibited surprising accuracy through all the tests of this severe trial*, while the other Scales (Fairbanks'), though correct in many cases, did not show entire uniformity throughout, especially exhibiting variations of some consequence when the heavy weights were moved to the different corners of the platform. The award of a Diploma, FOR THE BEST HAY-SCALES, was accordingly made to Mr. Howe.”

*Sole General Agents for New-England & Canada.*

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## RAILROADS

USING THE BRANDON MANUFACTURING COMPANY'S CELEBRATED MODERN SCALES.

AIR LINE RAILROAD.  
ATLANTIC AND GREAT WESTERN RAILROAD.  
BUFFALO AND ERIE RAILROAD.  
BALTIMORE AND OHIO RAILROAD.  
BEAVER MEADOW RAILROAD.  
BOSTON AND WORCESTER RAILROAD.  
CAMDEN AND AMBOY RAILROAD CO.  
COAL DOCKS RAILROAD.  
CAMERON COAL AND RAILROAD COMPANY.  
CLEVELAND AND TOLEDO RAILROAD.  
CLEVELAND AND MAHONING RAILROAD.  
CHICAGO AND MILWAUKEE RAILROAD.  
CHICAGO AND NORTHWESTERN RAILROAD.  
CONNECTICUT RIVER RAILROAD.  
EAST PENNSYLVANIA RAILROAD.  
FITCHBURG RAILROAD.  
HARLEM RAILROAD.  
HAZELTON RAILROAD.  
HANNIBAL AND ST. JOSEPH RAILROAD.  
HUDSON RIVER RAILROAD.  
ILLINOIS CENTRAL RAILROAD.  
LYKENS VALLEY RAILROAD.  
LEHIGH NAVIGATION COAL AND RAILROAD CO.  
MILWAUKEE AND LACROSSE RAILROAD.  
NEW LONDON AND NORTHERN RAILROAD.  
NASHUA AND WORCESTER RAILROAD.  
NEW YORK AND ERIE RAILROAD.  
NEW YORK CENTRAL RAILROAD.  
PENNSYLVANIA CENTRAL RAILROAD.  
PORTLAND AND KENNEBEC RAILROAD.  
RUTLAND AND BURLINGTON RAILROAD.  
ST. JOSEPH AND DENVER RAILROAD.  
ST. LOUIS AND ST. JOSEPH RAILROAD.  
UNION PACIFIC RAILROAD.  
VERMONT CENTRAL RAILROAD.  
BENNINGTON AND RUTLAND RAILROAD.  
ST. JOSEPH AND COUNCIL BLUFF RAILROAD.  
BOSTON & PROVIDENCE RAILROAD.

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*Sole General Agents for New-England & Canada.*

**PRICE LIST**

OF

**FANCY SCALES,**

AND

**WEIGHMASTER'S BEAMS,**

SUPPLIED TO ORDER BY THE

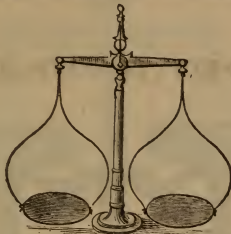
**BRANDON MANUFACTURING COMPANY.**

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*Sole General Agents for New-England & Canada.*



**STANDING EVEN-BEAM DRUGGISTS' SCALES.**



*Brass Beam, Brass Pans and Bows.*

No.	Length of Beam.	Diameter of Pans.	Brass Columns.	Marble Col.
No. 1.	30 inches . . . . .	15 inches . . . . .	\$54 00 . . . . .	\$70 00
" 2.	24 " . . . . .	12 " . . . . .	39 00 . . . . .	55 00
" 3.	21 " . . . . .	10 " . . . . .	32 00 . . . . .	45 00
" 4.	18 " . . . . .	9 " . . . . .	26 00 . . . . .	38 00
" 5.	15 " . . . . .	8 " . . . . .	21 00 . . . . .	32 00
" 6.	12 " . . . . .	7 " . . . . .	18 00 . . . . .	30 00

**PRESCRIPTION SCALES.**



*Ornamental Top.*

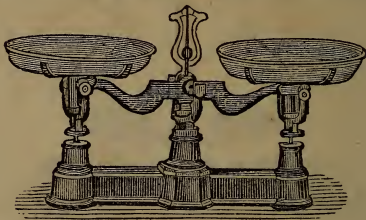
No.	Length of Beam.	Brass Columns, Bows and Pans.	Marble Columns, Brass Beams, Bows & Pans.	Marble Col., Silver Plated Beams, Bows and Pans.
No. 1.	10 inches . .	Price, \$16 00 . .	Price, \$22 00 . .	Price, \$33 00
" 2.	9 " . . . . .	" 14 50 . . . . .	" 20 00 . . . . .	" 30 00
" 3.	8 " . . . . .	" 13 00 . . . . .	" 16 50 . . . . .	" 26 00
" 4.	7 " . . . . .	" 11 00 . . . . .	" 13 50 . . . . .	" 20 00

*Plain, all Brass.*

No.	Length of Beam.	Price.
No. 1.	8 inches . . . . .	\$11 00
" 2.	7 " . . . . .	9 00
" 3.	6 " . . . . .	8 00

*Sole General Agents for New-England & Canada.*

### DRUGGISTS' COUNTER SCALES.



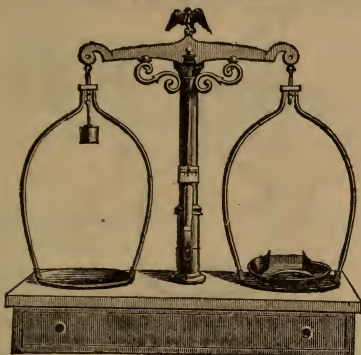
	Diam. of Pans.	Capacity.	Price.
No. 1.	10 inches	12 lbs.	\$12 00
" 2.	8 "	8 "	10 00
" 3.	6 "	4 "	8 00

### HAND COLD SCALES.

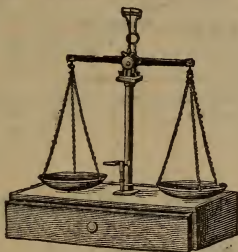


Description.	Length of Beam.	Weights.	Price.
Pans suspen'd by Chains	7 inches.	1 oz. down dwts. & grs.	\$4 00
" "	6 "	1 "	" 4 00

*Sole General Agents for New-England & Canada.*

**BANK SCALES.***Marble Base, Brass Beam and Pans.*

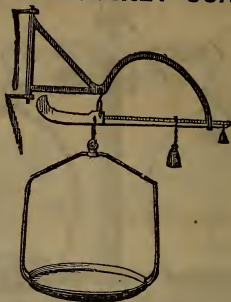
Capacity, 500 oz. . . . . Price, without weights, \$150 00

**JEWELERS' AND BROKERS' SCALES.***Scale all brass, with drop-lever, mahogany box with drawer, Sealed Troy Cup Weights, dwts. and grains complete.*

No. 0.	Diam. of Pans.	Length of Beam.	Length of Box.	Weight.	Price.
	7½ inches.	12 inches.	20 inches.	32 oz.	\$25 00
" 1.	6 "	10 "	17½ "	32 "	21 00
" 2.	5 "	9 "	15 "	16 "	16 00
" 3.	4 "	7 "	12 "	8 "	12 00

*Sole General Agents for New-England & Canada.*

## BOSTON MARKET SCALES.



*With Heavy Copper Pan, tinned inside, and Brass Balls, Brass Beam, Weights, and Crane complete.*

Capacity.	Diameter of Pan.	All Brass Weights.	Heavy-Weight Iron. Light-Weight Brass.
125 lbs. . . . .	18 inches . . . . .	Price, \$27 00 . . . . .	Price, \$24 00 . . . . .
100 " . . . . .	16 " . . . . .	" 23 00 . . . . .	" 21 00 . . . . .
50 " . . . . .	14 " . . . . .	" 17 00 . . . . .	" 16 00 . . . . .

*With Tin Pan, and Iron Bails, Brass Beam, Weights, and Crane complete.*

125 lbs. . . . .	18 inches . . . . .	Price, \$20 00 . . . . .	Price, \$18 00 . . . . .
100 " . . . . .	16 " . . . . .	" 17 00 . . . . .	" 15 00 . . . . .
50 " . . . . .	14 " . . . . .	" 11 00 . . . . .	" 10 00 . . . . .

*Brass Beam and Weights alone.*

125 lbs. . . . .	18 inches . . . . .	Price, \$14 00 . . . . .	Price, \$12 00 . . . . .
100 " . . . . .	16 " . . . . .	" 12 00 . . . . .	" 9 50 . . . . .
50 " . . . . .	14 " . . . . .	" 9 00 . . . . .	" 8 00 . . . . .

## STANDARD DRY MEASURES.



*For State, County, City, or Town use, adjusted to the Standard of the United States.*

Heavy Sheet Copper, one quart to half bushel, . Per set, \$75 00

*Sole General Agents for New-England & Canada.*

**STANDARD LIQUID MEASURES.**

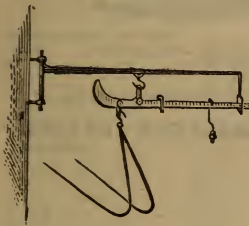
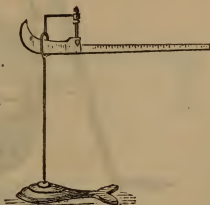


Heavy Sheet Copper, one gill to one gallon, . . . . Per set, \$40 00

**YARN NUMBERING SCALES.**

*For determining the number by weighing one hundred yards.*

Price, . . . . . \$6 00



**PAPER BEAM.**

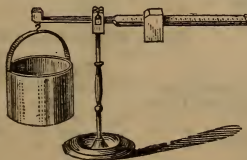
*For determining the number of lbs. to the ream, by the weight of one sheet.*

Price, . . . . . \$7 00

**GRAIN TESTING SCALE.**

Graduated so that, by balancing a quantity of grain in the cup, the beam will designate how many pounds it will weigh to the bushel.

Price, . . . . . \$20 00



*Sole General Agents for New-England & Canada.*

## WEIGHMASTERS' BEAMS AND FRAMES.



Description.	Price, per 100 lbs. capacity.
Best Polished Beams and Weights, 300 lbs. and upward . . .	\$2 00
“ Japanned “ “ “ 300 “ “ “ . . .	1 50
Common “ “ “ 300 “ “ “ . . .	1 00

All Beams of less capacity rated the same as 300 lbs.

## FRAMES FOR WEIGHMASTERS' BEAMS.

Capacity.	Single Lever.	Double Leve
800 lbs. and under . . .	\$14 00 . . . . .	
1000 “ . . . . .	16 00 . . . . .	
1200 “ . . . . .	19 00 . . . . .	
1500 “ . . . . .	21 00 . . . . .	\$25 00
2000 “ . . . . .	25 00 . . . . .	30 00
2500 “ . . . . .	31 00 . . . . .	37 00
3000 “ . . . . .	37 00 . . . . .	43 00
4000 “ . . . . .		55 00
5000 “ . . . . .		65 00
6000 “ . . . . .		80 00

Chain Down-Hauls for the above, \$2.00 per Set.

## COTTON BEAMS.

Description.	Capacity.	Iron Poise.	Brass Poise.
Polished Beam . . . . .	640 lbs. . . . .	\$22 00 . . . . .	\$27 00
“ “ . . . . .	800 “ . . . . .	28 00 . . . . .	33 00
Japanned “ . . . . .	640 “ . . . . .	19 00 . . . . .	24 00
“ “ . . . . .	800 “ . . . . .	25 00 . . . . .	30 00

Sole General Agents for New-England & Canada.

**LARGE EVEN BEAMS.**



Capacity.	Length of Beam.	Common.	Best.
300 lbs.	2½ feet.	\$15 00	\$24 00
600 "	3 "	22 00	33 00
1000 "	4 "	35 00	50 00
2000 "	5 "	45 00	60 00
3000 "	6 "	55 00	72 00

**BRASS BEAMS.**

Capacity.	Brass Paises	Zinc Paises.	Iron Paises.
100 lbs.	\$15 00	\$13 00	\$12 00
150 "	16 00	14 00	13 00
200 "	18 00	16 00	15 00
300 "	22 00	20 00	17 00
400 "	26 00	23 00	20 00
500 "	30 00	27 00	23 00
600 "	35 00	32 00	27 00
800 "	45 00	39 00	32 00
1000 "	55 00	48 00	41 00
1200 "	65 00	58 00	50 00
1500 "	80 00	73 00	65 00
2000 "	100 00	92 00	80 00
2500 "	120 00	112 00	100 00
3000 "	140 00	130 00	120 00

**TEA AND TOBACCO WEICHERS' BEAMS.**

Brass Beam, 150 lbs.	¼ lb. Notches,	Brass Poise,	\$30 00
" " 200 "	" " "	" " "	40 00
Pol. Iron " 150 "	" " "	" " "	20 00
" " 200 "	" " "	" " "	25 00

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**BOX HOOKS.**



Common Pattern	:	:	:	:	:	:	:	:	\$4 00
Large Size, with Chain	:	:	:	:	:	:	:	:	5 00

**BARREL HOOKS.**



Ordinary Size	:	:	:	:	\$4 00
Large Size, for Tierces	:	:	:	:	5 00

Hay Hooks	:	:	:	:	\$4 00
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**COTTON HOOKS.**

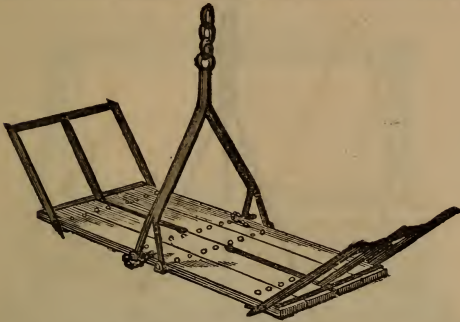
Large Size, New Orleans Pattern,	\$7 00
Common,	5 00

**HOGSHEAD HOOKS.**

No. 1. Heavy, with Swivel.	:	:	:	:	:	\$10 00
" 2. Light, " "	:	:	:	:	:	9 00
Sliding Can Hooks,	:	:	:	:	:	\$15 00
Tobacco Hooks,	:	:	:	:	:	\$4 00
Tea Hooks,	:	:	:	:	:	\$4 00

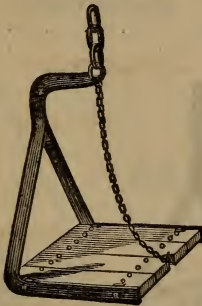
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**FOLDING BOTTOM.**



No. 1.	6 ft. 2 in. long,	2 ft. 4 in. wide	:	:	:	:	\$32 00
" 2.	5 " 10 " "	2 " 2 " "	:	:	:	:	28 00

**STANDING BOTTOM.**



No. 1.	30 x 36 inches,	for 2500 to 3000 lbs. beam	.	.	.	.	\$23 00
" 2.	27 x 33 "	" " 1500 " 2000 "	.	.	.	.	18 00
" 3.	24 x 27 "	" " 1000 " 1200 "	.	.	.	.	15 00
" 4.	22 x 26 "	" " 600 " 800 "	.	.	.	.	12 00
" 5.	20 x 24 "	" " 300 " 500 "	.	.	.	.	10 00

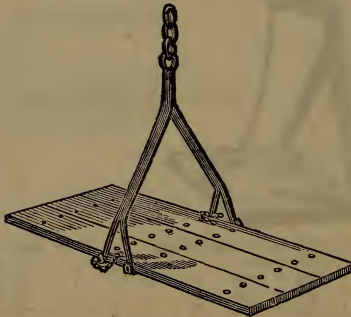
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**ROUND BOTTOM, FOR PORK AND HAMS.**



*Hung with Chains.*

No. 1.	5 ft. diameter	:	:	:	:	:	:	:	:	:	\$32 00
" 2.	4 " "	:	:	:	:	:	:	:	:	:	27 00



**COFFEE**

**BOTTOM.**

No. 1,	6 ft. long,	2
ft. 4 in. wide	.	\$20 00
No. 2,	5 ft. 8 in. long,	
2 ft. 2 in. wide		\$18 00

**HIDE BOTTOM, WITH FOLDS.**



No. 1.	4 ft. long, 2 ft. 2 in. wide .	.	.	.	.	.	\$33 00
" 2.	3½ ft. long, 2 ft. wide .	.	.	.	.	.	28 00



**SQUARE BOTTOM.**

No. 1,	4 ft. square . .	\$14 00
" 2,	3½ " . .	12 00
" 3,	3 " . .	10 00

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**PIG IRON CRADLE.**



Capacity, one-half ton,	:	:	:	:	:	:	:	\$70 00
“ one ton	.	.	.	.	.	.	.	80 00



**CLOTH BEAM.**

For determining the weight per yd. by weighing the piece. Capacity, 40 yards. Price, \$13 50.

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**NEST WEIGHTS.**



Capacity.	Sealed Iron.	Zinc.	Cased Brass.	Solid Brass.
8 lbs. down to $\frac{1}{4}$ oz.	\$2 50	\$5 00		\$10 00
$\frac{4}{4}$ " " " " "	1 50	3 00	\$3 50	5 50
2 " " " " "	1 00	2 00	2 00	3 00
1 " " " " "	75	1 50	1 50	1 75
Extra 4 lb. weights	50	1 00	1 00	1 50

**RING WEIGHTS.**



Ring Weights	Capacity.	Price.
" " " " " " "	7 lbs.	\$ 75
" " " " " " "	14 "	1 50
" " " " " " "	25 "	2 50
" " " " " " "	50 "	5 00

**BRASS CUP-WEIGHTS.—Troy.**



Capacity, $\frac{1}{2}$ oz. down	.	.	.	.	.	.	.	.	.	\$ 50
" 1 " "	.	.	.	.	.	.	.	.	.	60
" 2 " "	.	.	.	.	.	.	.	.	.	75
" 4 " "	.	.	.	.	.	.	.	.	.	1 00
" 8 " "	.	.	.	.	.	.	.	.	.	1 75
" 16 " "	.	.	.	.	.	.	.	.	.	2 75
" 32 " "	.	.	.	.	.	.	.	.	.	4 00
" 64 " "	.	.	.	.	.	.	.	.	.	7 00
Troy Pennyweights and grains	.	.	.	.	.	.	.	.	per set,	60 cents.
Scruples, drachms, and grains	.	.	.	.	.	.	.	.	" " 60 "	
Grain weights	.	.	.	.	.	.	.	.	" " 30 "	

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**BRASS WEIGHTS IN BLOCK.— AVOIRDUPOIS.**



Capacity, 1 lb. down to $\frac{1}{4}$ oz.	. . . . .	\$6 00
“ 2 “ “ “ $\frac{1}{4}$ “	. . . . .	8 00
“ 4 “ “ “ $\frac{1}{4}$ “	. . . . .	12 00

**BRASS WEIGHTS IN BLOCK.— TROY.**

Capacity, 5 oz. down	. . . . .	\$6 00
“ 10 “ “	. . . . .	7 50
“ 20 “ “	. . . . .	9 00
“ 30 “ “	. . . . .	11 00
“ 50 “ “	. . . . .	15 00
“ 100 “ “	. . . . .	23 00
“ 200 “ “	. . . . .	33 00
“ 300 “ “	. . . . .	45 00
“ 500 “ “	. . . . .	65 00

**POISES FOR WEIGHMASTERS' BEAMS.**



Capacity.	Iron.	Zinc.	Brass.
1 pound	\$ 30	\$1 00	\$1 50
2 “	50	1 50	2 00
4 “	75	2 25	3 00
8 “	1 25	3 50	5 00
16 “	2 00	5 00	7 00
32 “	3 50	9 00	13 00
64 “	6 00	17 00	22 00

*Sole General Agents for New-England & Canada.*



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- NEW-ENGLAND AND CANADA WAREHOUSE,  
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- NEW YORK CITY, SOUTHERN WAREHOUSE.  
Ellison & Co., 3 Park Place, N. Y. City.
- F. B. Loney & Co., 240 Baltimore St., Baltimore, Md.
- Chas. H. Harrison, cor. of Market and Juniper Streets,  
Philadelphia, Penn.
- CENTRAL NEW YORK WAREHOUSE,  
Heart & Co., 181 River St., Troy.
- WESTERN NEW YORK AND OHIO WAREHOUSE,  
W. A. Dobinson & Co., 86 Main St. Buffalo.
- NORTH-WESTERN WAREHOUSE,  
P. S. Meserole, 204 Lake St., Chicago, Ill.
- CENTRAL-WESTERN WAREHOUSE,  
Farleigh & Co., St. Josephs, Mo.
- SOUTH-WESTERN WAREHOUSE,  
St. Louis Agricultural Machinery Co., 609 N. Main  
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- PACIFIC COAST WAREHOUSE,  
V. S. Parkhurst, 305 Montgomery Street, San  
Francisco.
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WHEN PARTS OF ANY SCALE ARE ORDERED, THE SHOP NUMBER OF THE SCALE SHOULD ALWAYS BE REFERRED TO. This may be found on the end of the wood cap over the beam of *Platform Scales*, and on the scoop and branches of *Counter Scales*.

✎ *In ordering Scales, please copy full directions from Price List.*

✎ Local agents in each town of importance.

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