FAIRBANKS'

STANDARD SCALES



A uniform standard of Weights, and a correct sysem of weighing, are subjects claiming the attention of every individual in the community.

The invention of these Scales, and the improvemen's that have been from time to dime adopted, are the results of many years' close observation and practical experience; and we have brought them to such a degree of accuracy that they are now the

Acknowledged Standard.

We select the following from over two hundred different modifications of our Scales :-

Canal or Weigh-Lock Scales,

From 150 to 500 Tons Capacity.

Railroad Track Scales. From 10 to 150 Tons Capacity.

Railroad Depot Scales, From 2 to 6 Tons.

Hay and Cattle Scales,

Constructed of Iron, with steel bearings, and not liable to derangement or damage by exposure to the weather.

Coal Dealers' Scales.

Coal Dealers and others who are about purchasing Scales will do well, to examine the evidences upon which we base our claim for superiority.

FAIRBANKS' STANDARD SCALES. | FAIRBANKS' STANDARD SCALES.

From S to 6 Tons Capacity.

MINERS' SCALES,

Wheat or Hopper Scales, Indicating Bushels.

Flour Packing Scales, For Whole and Half Barrels.

DORMANT WAREHOUSE SCALES,



Set in the floor, and weighing from one half pound to five thousand pounds. Used frequently in small railroad depots and stations; also, in stores, warehouses, forwarding houses, etc. A very desirable, substantial, and perfect Scale.

WHEELBARROW SCALES.

This Scale is designed for Coal Dealers' use, and is graded so as to indicate the weight of the coal, with the tare deducted.

ROLLING-MILL SCALES



With Spring Platform, Vibratory Axle. And Rack or Iron Plate.

These Scales are made so as to secure very great durability when used in foundries, iron houses, and wherever very heavy weighing is required.

PORTABLE PLATFORM SCALES.

Various sizes of these Scales are made, with and without wheels, and adapted to every branch of business, and are in daily use in thousands of -tores and manufactories in all parts of the world.

CRESSON'S REGULATOR, GAS

INVENTED BY

DR. C. M. CRESSON.

LATE MANAGING ENGINEER OF PHILADELPHIA GAS WORKS.

Manufactured in all Sizes, Suitable for

PUBLIC BUILDINGS. FACTORIES, STORES, DWELLINGS,

BY FAIRBANKS & EWING.

MASONIC HALL.

NO. 715 CHESNUT STREET

This Gas-Saving Regulator has been in use in this city during the past two years with great success, and we select the following names from among those who are using the Regulator in Philadelphia, and to whom we are allowed to refer:-

Philadelphia, UNITED STATES MIBT, UNITED STATES POST OFFICE, CONTINENTAL HOTEL, MERCHANTS: HOTEL.
GIRARD COLLEGE, EPISCOFAL HOSPITAL,

J. B. LIPPINCOTT & CO., ADAMS' F YPRESS COMPANY, AMBRICAN PULP COMPANY, STATES UNION HOTEL, INTERNATIONAL HOTEL, LA FIERRE LOUSE, CO.,

PENNSYLVANIA CENTRAL R. R. CO., PHILADA. GER. & NOR. R. R. CO., CAMDEN & AMBOY R. R. CO., PHILADA. WIL. & BALT. R. R. CO., W. PHILADA. PASS. EAILWAY CO., HARMER'S CORNUCOPIA. WILLIAM WELSE, ESQ., WILLIAM MANN, ESQ., ALAN WOOD, ESQ.

JOHN PRICE WETHERILL, ESQ.,
ISAAC C. PRICE, ESQ.,
JAMES D. WETHAM, ESQ.

UNION LEAGUE HOUSE,
PHILADELPHIA CLUB HOUSE,
USION CLUB HOUSE,
CORNELIUS & BAKER,
MISKEY, MERSILL & THACKARA,
AMERICAN METRE CONPANY,
CONCERT HALL BILLIARD ROOM,
SHRACK & BRU 'ES BILLIARD ROOM,
JAMES PALMER'S BILLIARD ROOM,
WILLIAM CARR & CO.,
R. & W. C. BIDBLE & CO.,
JAMES S, EARLE, ESQ.

E. W. CLARK, ESQ.,
E. N. WRIGHT, ESQ.,
JOSEPH HABRISON, JR., ESQ.,
B. HOMER, ESQ.,
J. B. COWPERTHWAIT, ESQ.,
S. A. MERCER, ESQ.

MERCANTILE LIBRARY,

L. M. CHAISTIAN ASSOCIATION,

EVENING BULLETIN,

PHLADELPHIA INQUIRER,

MASSEY, COLLINS & CO.,

THOMPSON BLACK & SO N

IMPORTANT LETTER FROM C. A. WALBORN, ESQ., POSTMASTER, PHILADELPHIA. POST OFFICE, PHILADELPHIA, Pa , May 7, 1865 - Messrs. FAIRBANKS & EWING, No. 715 Chesnut amount of gas consumed at this office during the three months from January 23, 1865, to April 25, 1866, inclusive, and from January 23, 1866, to April 25, 1866, inclusive, in order to show the saving effected of the CRES SON GAS REGULATOR attached to our metre on February 12, 1866;—

anuary 23 to February 23ebruary 24 to March 28	.288	400	**		51.	
annary 23 to February 19 ebruary 19 to March 28	231 (1900	866. cubio	tce		674,000 cubic feet.
farch 28 to April 25	136,	300	41		3	159 909 cubic feet.

Thus showing a saving in 1868 over 1865 of.

Of was, which, at \$3.30 per thousand (including United States tax, 30 per M.) is a saving in inch-y of \$617.43. During the three months of 1866 the Regulator was attached to the matre, but saventy-one days, having been placed there on the 12 h of February, and the account taken to the 25 h of April. The above statement is taken from the bills as paid to the Gas Company

I am, very respectfully, your obedient servant.

C. A. WALBORN, Post master.

AT OUR SCALE WAREHOUSE

Can be seen a test apparatus to show the changes of street pressure and its action upon the Regulator, and also to demonstrate the amount of saving effected by the Regulator,

FAIRBANKS EWING. MASONIC HALL.

No. 715 CHESNUT STREET, Philadelphia, Pa.

FAIRBANKS' STANDARD SCALES FAIRBANKS' STANDARD SCAL

Counter Platform Scales, With Short Pillar, Capacity 340 Pounds.

UNION, OR FAMILY SCALES



Combining the advantage of a Counter and Platform Scale; capacity 240 pounds

GROCERS' SCALES.



Capacity one-half ounce to six ty-three pounds

STANDARD WEIGHTS.



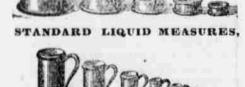
EVEN BALANCE SCALES OF EVERY VARIETY AND STYLE.

U. S. POST OFFICE SCALES.



We are prepared to furnish to the trade, and at Retail, the Post Office Balance, adopted by the Government, packed se-

curely in single boxes STANDARD DRY MEASURES,



For State, County, City, or Town Use, and Adusted to the Standard of the United States.

WEIGHMASTERS' BEAMS AND MELAMINS.

Bottoms, etc., complete, for every description of weighing.

FINE GOLD AND DRUGGISTS' SCALES



In great variety, for the use of Banks, Brokers, Jawellers, Etc. Etc.

Also. ruggists' Scales of every modification.

EXAMINE YOUR SCALES.

"AN INCORRECT SCALE WILL GNAW THE VERY UNITALS OUT OF AN APPARENTLY ESCOPEROUS BUSINESS."

Test your Scales thoroughly, and if found facor-rect, throw them aside and buy one of FAIRBANKS Pocket and Grand Scales, the universally set howledged sandard of correct weights.

A WORD OF CAUTION...

The well carned reputation of these Scales has induced the vendors of imperfect and wortness talances to after them as "FARRELETS" SCALES." and purchasers have thereby in many instances been subject to fraud and imposition.

The manuscluters have no controversy with hororable competitors, who francac; business in their own names; but regarding the perpetrators of the above fraud as pursuing a source alike unjust and dishonorable, he, take the in their to caution the public scaling their imposition.

I incular Pampalities with cuts, and full description of all the different meditical and of the scales, can be had at our Warenesse, in this city.

Circular Pamphlets, with cuts and full description of all the different modifications of our Scales can be had on application at our WAREHOUSE

FAIRBANKS & DWING. MASONIC HALL,

715 CHESTUT STREET. PHILADELPHIA.

WILLCOX & GIBBS' NOISELESS "TWISTED LOOP-STITCH" FAMILY SEWINGM ACHINES "THE PERFECTION OF MECHANISM.

THE HIGHEST PREMIUM

SEWING MACHINE

REPORT OF THE JUDGES, AT ISLAND PARK TRIAL.



To the Officers of the Union Fair:-We, the undersigned, appointed a Special Committee to inspect the merits of the several Sewing Ma-chines entered for Premiums, would respectfully report:—That two machines were entered the Willcox & Gibbs and the Florence Sewing

Machines. In prosecuting the examination, it was agreed by the Agents representing the two Machines to render to your Committee, in writing, the peculiar points on which they based their claim of superiority, and in testing the machines, each point was to be taken separately, and, after a fair trial, adjudged to the best of our ability. Each Agent presented their claims in due form, copies of which will be found below. For the Willcox & Gibbs Machine,

therty-five distinct claims were made for its superiority, ALL of which were sustained. Whereas, for the Florence Machine, but ten were pre-sented, two of which were sus-After a thorough and impartial

trial, your Committee have decided to award to the Willcox & Gibbs FIRST PREMIUM,

On the ground of its excellinng the greatest number of roints presented. To the Florence Machine, for having the advantage of a 'reversible feed," and using the least thread, we award the Second Premium.

> SIDNEY D. TUCKER, L. C. CHAMPNEY, JOSEPH WHEELOCK, JUOGES.

SEPTIMBER 22, 1865.

LIST OF POINTS

On Which Euperiority was Claimed for the Willcox & Gibbs Machine.

- It is the simplest. Claim Sustained. It is the least liable to get out of order. Sustained. It is the best made machine, every part being an exact dup cate which is notithe case with the Florence. Sustained,
- 4. It is the cheapest. Sustained.
 5. It runs the stillest. Sustained.
 6. It runs the easiest. Sustained. Suntained It has the best device to prevent the wheel running backward. Claim Sustained,
- 9. It requires less mechanical skill to operate it. Sustained.
 10. It requires less time and instruction to learn to use it. Sustained.
 11. It is the most certain and reliable in operation. Sustained.

Norg .- It is a fact worthy of remark, that, during the entire trial-which continued without ntermission for nearly seven hours—not a stitch was missed, nor the thread ence broken, nor a needle broken or bent, by the Willcox & Gibbs Machine. No kind of work was attempted to be done on it that was not accomplished, and done in a perfect and workmanlike manner; and no effort was made on it that was not entirely successful; while neither of these statements can be truly made in favor of the Florence.

12. Its needle is the shortest. Sustained.

- 13. The needle is also straight, and less liable to be broken, than one ourved like the Florence.
- 14. It is benelled, and therefore stronger than one with a small shank, like the Florence.
- 15. The needle is secured in its place by a patented device, which renders it self-adjusting, so that neither skill nor experience is necessary in setting it. It is not so with the Florence. Sustained.
- Nors.-This claim was fully conceded by the Florence Agents, so far as relates to the capacity of the Willcox & Gibbs Machine. But they claiming that the Florence Machine has the self-adjusting capacity of the needle also, and a test being called for, a needle was set in the Florence Machine, without the usual adjustment of its point after setting it; and, on attempting to sew with it, the needle was broken at the first stitch. Another needle was then set, with a similar
- 16. It uses but one thread, and thus avoids the necessity of complicated machinery, which is required for two threads, as in the Florence,
- 17. It sews directly from the spool, thus making it unnecessary to rewind the thread and adjust it in the shuttle. Sustained.
- 18. It makes the "Willcox & Gibbs," or "twisted loop stitch"-a stitch original with this Machine, and made by no other-which for general purposes is superior to either made by the Florence, Sustained,
- Note. The trial apon this claim was very thorough, and the practical tests minute and accurate. Each Machine was required to use thread from the same spool, make the stitch of the same length, and perform the test-work on the same piece of goods, with the lines of sewing side by side. The results were all decisive, and in every test in favor of the Willcox & Gibus Machine.
- 19. Its seam has the peculiar advantage of being readily taken out when it is desirable, while it is less liable to rip, in use or wear, than the lock-stitch. sustained.
- Note.-This claim was also very severely tested in the same manner as the last, and with equally positive results-all in favor of the Wil: cox & Gibbs Machine.
- the lock-stitch. Sustained. 21. The seam is also the most even and beautiful. Sustained.
- 22. The seam is always self-fustened, thus avoiding the necessity of a "reversible feed," or any other complicated device for that purpose.
- adjusted. Sustained. 24. It will do a greater variety of work than

23. Its tension is more simple and more easily

- 25. The Mactine is more easily and speedily 1 out question; and since many of those cheap , "Oh, yes, madam; but then it is only a single . banged from one kind of work Surtained.
- 26. More work can be done with it in a given time than with the Florence. Sustained.
- 27. It does beautiful embroidery, which the Florence cannot do. Sustained. 28. It has a shield to the wheel, which the
- Florence has not. Sustained. 29. The needle being carried in a perpendicular bar, it has important advantages over Machines with curved needles attached directly to the needle-arm, as in the Florence-one of which is its non-liability to derangement from alterations of temperature. Sustained.
- 39. In consequence of the shorter sweep of the needle, there is much less wear of the thread from its vibrating through the needle's eye in the act of sewing. Sustained.
- 31. A smaller needle can be used with the same size of thread, which adds to the strength and beauty of the seam, especially on linen and
- other hard goods. Sustained. 32. It has the best hemmers. Sustained,
- 33. It has the best feller. Sustained,
- 24. It has the best braider. Sustained,
- 35, It has the best belt. Sustainel.

Note. - The advantages claimed for the Willcox & Gibbs beit consist in its non-liability to get out of order, and the facility with which it can be shortened when necessary. It was shown that the flat belt is very hable, on a Sewing Machine, by the unequal stretching of its two edges, to get out of adjustment, so as the stretching of the control of adjustment. edges, to get out of adjustment, so as to run to one side of the pulley, causing the Machine to run heavily—a difficulty to which the round belt is never liable, since, as it runs in a groove, it is impossible for it to get out of place.

REMARKS.

In order to appreciate fully the importance 20. The seam is more elastic and stronger than ot this trial, it is necessary to consider some of the peculiar circumstances connected with the early history of the Willcox & Gibbs Machine, and its relation to other leading kinds; all which, it is well known, are of the double-

Previously to the introduction of this ma chine, the country had become so flooded with cheap and worthless ones, and the public mind so generally prejudiced in favor of the highpriced, double-thread machines, that most peothe Florence can do, in equal perfection. Sus- | ple were prepared to accept as truth the teaching of those interested in the latter plass with-

cult task to educate the public into the belief that all single-thread machines, as well as all cheap ones, were necessarily worthless. And so faithfully was that task performed, that the double-the ad interest was thereby enabled to acquire, and for a time to maintain, a monopoly, and to keep their prices up to a point which forbid the use of sewing machines to thousands of persons of that class who most

need them, but are least able to buy. It was at this period, and with a view to supply a great public need, by the production of a simpler and better, as well as a cheaper machine, that the Willeox & Gibbs was invented and

placed before the public. The double-thread fraternity, perceiving its great merit, very naturally became a'armed. A rival so dangerous to them all was not to be disregarded. With the exception of merit, the advantage was all on their side. Each had their thousands of agents scattered over the country, who would open the mouth at their bidding, while the Willcox & Gibbs, with here and there a solitary exception, as yet had none. The word was given, and the key note sounded, "A single thread!" "A single thread!" and ten

thousand agents' voices echoed, "A single thread !" Says a lady customer to one of their agents:-'It's a charming little machine, that Willcox

& Gibbs; it runs so easily and so quietly!"

ad, and a single-thread machine, you know, is of no value as a sewing machine." "Why, how you talk! My sister has one of them, and she does all her sewing on it, and would not exchange for any other machine in the world." "That may be so: she probably never used any other; but though it may satisfy her, it would never suit you. Why, madam, those singlethread machines were tried long ago, and rejected as totally worthless !"

In this manner has the Willeox & Gibbs been systematically and persistently misreoresented by the entire double-thread fraternity. Scarcely could a more palpable untruth be uttered than is conveyed in the spirit of those four words, "only a single thread;" because, though it does use but one thread, it does not make the ordinary single-thread stitch, as those words, in the sense there used, imply; but it makes a new and different stitch-one that obviates the very defect in the old single-thread or chain stitch to which so much objection is made-its asserted hability to ravel, Moreover, the Willow & Gibbs stitch is for better than any made with two threads; and hence is destined, so soon as its merits are generally known, to supersede all the various double-thread s itches now in use. And this is the reason why the Willcox & Gibbs is so much feared; for who will want to bother with hoo threads when they find that

OFFICE AND SALESROOMS

one is better?



STRE