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THE

TRADE "Superphone" MARK

**SOUND-REPRODUCING
ACCESSORIES.**

• HENRY SEYMOUR •

544, Caledonian Road, LONDON, N. 7.

GRAMOPHONEMUSEUM.COM

The Latest Superphone Model.



THE striking feature of this Instrument is its incomparable tone: once heard, always remembered. It is also specially designed to reproduce the new Edison Discs to the maximum advantage with the minimum of injury by wear. It goes without saying, that in doing this, it will reproduce any other record (needle or phono) in the most perfect manner possible.

Fitted with the "Collier Vulcanite" horn, it is, therefore, a horn machine, but constructed to conceal the horn connection, and with a lid to close in tone-arm and record whilst playing. The removal of the horn, when not in use, leaves it as a cabinet of simple design, but of elegant workmanship and finish of dark mahogany.

Its tone, without any horn at all, is equal to that of the average "hornless" instrument, without its discord.

The workmanship throughout is the best, regardless of cost.



SPECIFICATION: The best known motor with silent wind and running; speed indicator; automatic stop and start; needle bowls; 12-inch turntable; special wood and metal tone-arm with weight regulator and universal adjustment; two sound-boxes of different sizes.

An Unique Duplex Gramophone.

THIS Instrument is novel by reason that it can instantly be transformed from a horn machine to a hornless, or *vice versa*, by means of two part sections of tone-arm. Either of these sections fits, telescopically, into the hollow metal bracket at the back of the cabinet, and the two illustrations show this arrangement. In either form, the machine has an elegant appearance, being made in mahogany, with piano-polish finish. The tonal effects, in either form, are of the highest class. The "Collier" latest vulcanite horn is supplied with the accessories. An

ideal instrument for reproducing Edison discs, being constructed particularly to do so. Fitted with the latest Swiss and most approved double-spring silent motor, playing 4 records per wind.



Any Type of Gramophone made to order at Popular Prices.

Useful Gramophone Accessories.

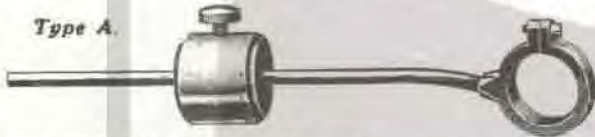
TONE-ARM REST.

THIS useful accessory needs no recommendation, inasmuch as its value will be appreciated the moment it is used. It is not only a source of annoyance to find one's tone-arm and sound-box swinging about in all directions, and many a record has been spoiled by the needle in the sound-box after the record has been played from the above cause, as has also many a handsomely polished cabinet top being scratched for want of a suitable provision as this modest little attachment. It is well finished and nickel-plated. Made in two sizes, 1½ inch and 2 inches in height.



WEIGHT REGULATOR FOR H.M.V. TONE-ARM.

Type A.



THIS indispensable and simple device has been designed for the swan-neck of the "H.M.V." tone-arms, by means of which any excessive weight of sound-box upon the record may be released without the least

impairment of tonal results, and a greater durability given to the record. The virtue of weight in a sound-box lies entirely in the lateral power of inertia to overcome the stress of motion in the stylus, in its vibratory activity. The incidental effect of the dead pressure, vertically, of weight in a sound-box is really prejudicial to tone, by the drag of the stylus in the record track and its consequent check-action upon the freedom of the diaphragm. By releasing this vertical pressure, the diaphragm is more free to respond to the record waves, and a superior reproduction takes place. In addition to this, the wear and tear of records is enormously lessened, as well as unpleasant surface noises

decreased. This device clamps on swan-neck without alteration or injury to same in any way. Type B is hinged, for hornless machines, but otherwise similar in design. Type C can be placed in position or released instantly.

Type C.



The Seymour Sound Box. Models A. & C.



Model A

ordinary sound-box, even the best Gramophone reduces the objectionable feature of the 'scratch' to a minimum. The test which I put the sound-box to (quasi-military bands, and the sound-box brought out every detail perfectly. One record I have had over two years and shows signs of wear, viz. 'I'll sing thee Songs of Araby' by Lloyd Chaudos—I was really astonished by the reproduction through the Seymour box in comparison with others. There is still further marked improvement if used with the Seymour Tone-Arm, compared with the ordinary tapered arm. Wishing you every success.—F. W. Hawkins, Esq., 55, Hatley Road, E.

"I must say that I was astonished at the results obtained on testing the sound-box. The tone is beautifully rich and mellow (more natural than most), and the reduction of surface noise is very marked. It is the finest box I have ever heard.—C. B. Kerwood, Esq., 100, Victoria Road, Alexandra Park, N.

THIS sound-box is the outcome of a large number of experiments and careful testing, and marks a decided advance on similar reproducing instruments which have been brought out in recent years. "The Model 'A' is fitted with a diaphragm of 'Hornite,' which is possessed of remarkable elastic properties, and is very constant. It yields a superior quality and volume of tone, while, at the same time, it enormously reduces the surface noises which characterize disc records. Metallic vibration is also eliminated by a novel method of insulation, and the tension of the stylus-bar is adjustable. It is made to immediately adapt to the 'H.M.V.' goose-neck tone-arm, and can be adapted to any other type of machine by attachments which we supply to order. This Sound-Box plays either the Needle or Sapphire disc with equal facility. It is the Sound-Box of tone refinement, but is more suitable for horn machines.

The Model 'C' is perhaps better suited for hornless machines, and is notable for the crisp definition, being fitted with the best mica diaphragm and a new form of stylus-mounting designed to facilitate "attack," which is especially desirable in the use of fibre-needles. This model is bored for steel, or specially cut for fibres, as requested. As our back connections are all interchangeable, the type of tone-arm it is required to fit should be stated when ordering.



Model C

Gramophone Motors.

These Motors have been selected as the best types of Manufacture.



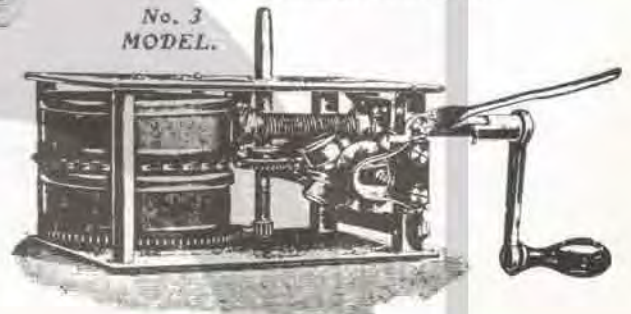
No. 1 MODEL.

No. 3 MODEL.—This model is extraordinary value for the cheaper grade of motor, and is thoroughly efficient. It is smaller, and has been designed for cabinet machines to economise space. Its capacity is not quite equal to that of No. 2 model, but is finished in the best style.

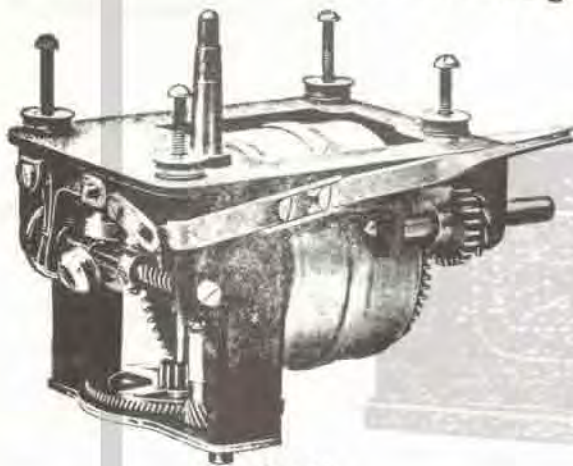
THIS Model is undoubtedly the most effective motor made, having strong cast-iron frame and accurately machine-cut wheels and pinions, with superior finish. Plays 5 to 6 records per wind, has 12-inch turntable, speed indicator, and all other essential accessories. It is highly recommended for its reserve of power in the springs, so essential for perfect reproduction.

No. 2 MODEL.—This Model is precisely the same in make and finish, but is smaller, running only four records per wind. It is a thoroughly reliable all-round motor, and like No. 1 is absolutely silent in running, being fitted with a similar worm or helical governor spindle.

No. 3 MODEL.



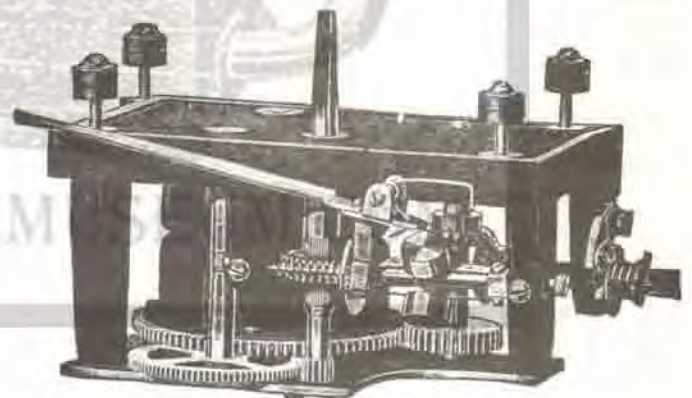
Gramophone Motors.



No. 20.

No. 20.—This model is the latest triumph of motor manufacture, with tangentially-cut wheel teeth to obviate back-lash and ensure absolutely silent running. Plays four records per wind, has 12-inch turntable, speed indicator and the usual accessories.

No. 77.—We supply all types of the American "Motor of Quality." at current prices. No. 36 plays three records per wind; No. 77, four; and No. 41, six. These motors are solidly built and well constructed. If required they can be supplied with bevel-edge turntables, plush covered.



Motor of Quality, No. 77.

THE

"SEYMOUR" Loud-Speaker

(Patent applied for)

REALISM AT LAST!
A REVOLUTION IN LOUD-SPEAKER CONSTRUCTION.

THERE are LOUD-SPEAKERS and LOUD-SQUEAKERS. If you desire to listen to the real thing, you must acquire HENRY SEYMOUR'S NEW LOUD-SPEAKER UNIT. It delivers the maximum volume of sound with the negligible minimum of tone-distortion, unlike all the rest. It effects this by a novel method of construction. It is furnished with two diaphragms each having a special function of its own. By this method, the second or acoustical diaphragm, may be made of any neutral or non-magnetic substance such as mica, carbon, glass, stiffened paper, or like suitable sonorous material.

The compound diaphragm of "Hornite" (also the invention of HENRY SEYMOUR) with which the loud-speaker is fitted, when sent out, produces a strength, breadth and

refinement of tone hitherto unheard in loud-speaker performance. But provision is made for the rapid change of diaphragm, which appeals to the experimenter. The electro-magnetic unit is securely enclosed in a handsome case of solid walnut, while the acoustical unit is readily accessible from without, with a minimum of trouble.



The extensive experience of the inventor, covering a quarter of a century, in acoustical research has convinced him that the usual iron or steel-alloy diaphragms in common use are far too restricted in sonorous

capacity for the production of a faithful reproduction of multiple sounds. The earliest phonographic diaphragms were of ferrotype, but these were soon superseded by other more resonant types. Metallic diaphragms in loud-speaker work respond effectively to the vibratory frequencies of most of the audible sounds, but fall short in the simultaneous production of natural tone. The "SEYMOUR" Loud-Speaker corrects all that.

Price 5 Guineas

The "Futurist" Amplifier, as illustrated, and as supplied with the new loud-speaker, is the well-known "Waveola" type, and this has been adopted after numerous tests and trials with every other amplifier in the market, as being the most efficient of them all. Although small and compact, its series of folds makes it equivalent in effect to a horn of large proportions, whilst its scientifically correct reflecting angles prevent the megaphonic effect usual with large horns, and at the same time enables it to project a free, forward and open tone.

HENRY SEYMOUR, Manufacturer,

544, CALEDONIAN ROAD, HOLLOWAY, LONDON, N. 7.

TELEPHONE: NORTH 450.

The New "Collier" Patent Ebonite Horns.

Ebonite is superior to any other material for reproducing sound in connection with Gramophones or "Wireless" sets.

The exterior horn is highly finished and has an elegant appearance. The hornless type is finished dull. The latter is secured to the under side of the motor-board by screws through holes furnished in the rear end, enabling it to be suspended.



16 inches long.
Flare 6 x 12 1/2 inches.



20 1/2 inches long.
Flare 16 inches diameter.

A metal end-piece at the small end of the exterior horn makes it adaptable to most horn elbows on the market.

OTHER SHAPES AND SIZES IN PREPARATION.

The Seymour Tone Arm.—Types B and C.

For "Hornless" or "Cabinet" Machines.



Type B.

THE Seymour tone-arm (type B) is a first-class accessory, of exquisite finish, and beautifully accurate and free in its moveable parts. It has the same governing principles as those of type A, with weight adjuster, and is made to order to suit any cabinet. Measurement from centre of turntable to centre of orifice over which the flange is to be fixed should be sent.

THE Seymour tone-arm (type C) is another type fitted to hornless or cabinet machines, where greater length of amplifying means is desired, the hollow bracket, which should be fixed to back of cabinet, joining up to the concealed horn. This type may also be used to simplify the internal construction of horn arrangements in other cabinet models.



Type C.

"I am highly pleased with tone-arm. It is perfection, and the workmanship is of the highest grade."—S. C. Wheelton, Esq., 84, Norwood Rd., Poulton, Wallasey.

"The tone-arm reaches the same standard of excellence as the 'Superphone' Sound-Box... I consider that given the 'Seymour' tone-arm and 'Superphone' box one has the best reproducing media yet put on the market."—A. Kenyon, Esq., White Horse Hotel, Gt. Horton, Bradford.

"The Tone-arm is the best investment I ever made, and it has caused quite a sensation when visitors have heard it. The greatest feature is the purity of tonal quality, and with vocal records it is a treat."—J. Sproud, Esq., 168, Carlisle St., Splott, Cardiff.

N.B.—Type is illustrated with the Seymour Tension Attachment fitted to reduce wear of records and surface scratch. All types are now fitted with this.

Seymour Tone Arm.

Type A.

THE Seymour Tone-Arm is the acme of perfection in tone-arms. It is the largest size made and gives a large, full, and clean tone, with wonderful analysis. The bracket is a very solid and rigid casting, while the tapered stem is carved out of solid wood (mahogany or oak), and is beautifully finished. The nickel-plated fittings give a handsome effect to the wood. The introduction of wood at this point in the tone-arm produces a rich and flutelike tone which is unheard in connection with the old-fashioned metal stems. This arm has now thoroughly established itself in public favour on account of its all-round advantages; firstly, by reason of its appearance; secondly, by reason of its ability to play any type of disc, and accommodate any type of sound-box; thirdly, by reason of its high-class workmanship ensuring perfectly free action of moving parts, without drag; and lastly, by reason of the ready adaptability of the Seymour tension attachment, as shown fitted in type C tone-arm, whereby weight or pressure of sound-box upon record can be regulated as desired and the durability of records saving its cost many times over. This tone-arm has considerable adjustability as to length, but will be made any desired length to order if, when ordering, the precise measurement of cabinet is forwarded. Sound-box angle-pieces are supplied inclusive for "phono" and "needle" discs, and the horn elbow (brass, nickelled), is furnished with three small bolts and nuts for the easy fitting of any suitable horn.



Complete with
Horn Elbow.

For the new Edison disc records, it is necessary to have this tone-arm fitted with the Tension Attachment, as not more than 2 oz. in weight should be exerted thereon, in which case they may be played at least 1,000 times without appreciable wear.

THE "Superphone" Concert Sound-box.

(Protected under the Patents and Designs Acts.)



Exact Size.

THIS superb Sound-box is a highly efficient resonating device, delivering great volume, besides giving a magnificent mellowness of tone, with perfect definition. It is fitted with a mica diaphragm.

It is generally conceded that large diaphragms have greater power and broader tone than small ones, but at the same time large diaphragms are usually deficient in "attack" by reason of their normal slow "recovery." The deficiency has now been overcome in the construction of this sound-box by the special method of clamping and highly-tensioning the stylus-bar, which has the effect of re-inforcing the diaphragm as well as promoting its more rapid "recovery."

For Concert or Entertainment work the "Superphone" Sound-box cannot be surpassed, reproducing all the vocal registers with realistic effect in a remarkable manner, whilst in the interpretation of instrumental music it is all that can be desired. It is also the Sound-box *par excellence* for "hornless" or cabinet machines.

This Sound-box can be supplied either with the stylus socket bored as ordinarily for steel needles, or cut with a triangular groove for use with fibre needles, at the same price. The type required should be stated when ordering, as also the type of tone-arm it is required to fit.

"I am very pleased with the "Superphone" box. I think it is worth twice as much as you charge for it. I have a collection of seven Sound-boxes, but I consider the "Superphone" the best of all. I think it is miles ahead of any other make of Sound-box."—F. W. Smith, Esq., 48, Covenish Road, Rotherham.

"I have fully tested the "Superphone" Sound-box and have no hesitation in saying that it is the best I have ever heard, and I have tested all the leading makes now on the market. The results are astounding, being exceptionally loud and clear in definition."—H. C. Bannister, Esq., 42, Church Street, Harrow-in-Furness.

"It is the Sound-box, especially for piano and band records, to which it imparts an absolutely natural tone. I am using it on my No. XII, H.M.V. Cabinet Grand (£46), and must say that in some cases it doubles the value of my instrument."—E. Chapet, L. & Co., B. & Co., Professor of Ecate Superieurs, Fourgevis, France.

The 'Universal' Fibre Needle Holder.

(Protected).



New Model

THIS simple and useful adaptor enables fibre needles to be employed in the reproduction of "needle-cut" or "phono-cut" disc records. By means of its special construction it is possible to obtain any desired angle for the needle-point, inasmuch as the steel pin projecting therefrom may be turned in any direction with ample clearance, and fixed tightly by means of the ordinary sound-box needle-holding screw. It also does away with the necessity of cutting a triangular slot in the sound-box needle socket, which has hitherto been indispensable. Even when this has been resorted to

it has only been possible to cut a triangular slot in one position, to adapt fibres for use both with "needle-cut" and "phono-cut" records, and which is never quite practicable for both, since the two required positions for these distinct classes of records are never accurately secured by the one cutting. Moreover, when ordinary boxes are so cut, too great a length of the fibre needle projects from the socket, which is by no means conducive to the best results possible from the use of such needle, and it is only when the needle has been used many times over and successively re-sharpened, and therefore shortened, that the best sonorous effects of the fibre needle become manifest. Now, the provision of the open triangular slot or sleeve embodied in this accessory enables its possessor to project as much or as little of the fibre as may be desired, quite regardless of the same being long or short, and the tension of the set-screw on the fibre increases the volume of fibres considerably.



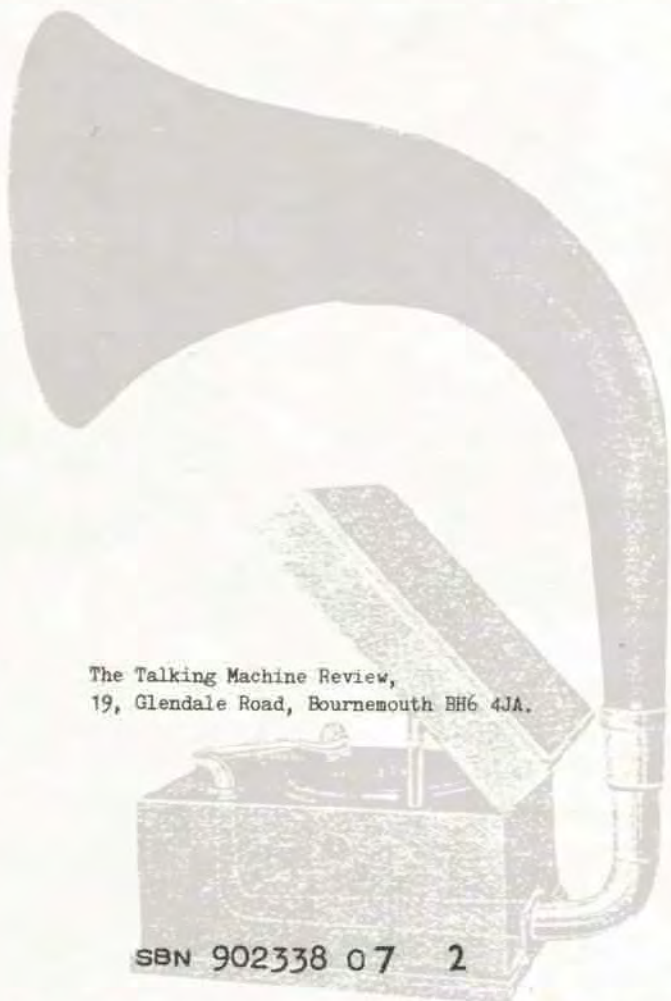
Fitted for playing "Needle-cut" Records.

Im-2 23-DE #627

PRICE LIST.

	£	s.	d.		£	s.	d.
The Cabinet Superphone, as specification	31	10	0	Universal Fibre Needle Holder	0	1	0
The Duplex Gramophone	21	0	0	Collier Exterior <i>Shanika Horn</i>	8	3	0
Packing Cases and Carriage extra. Former allowed if returned rail free.				.. Interior	1	5	0
The Superphone Sound Box (for Steel or Fibre)	1	10	0	(Packing Cases and Carriage extra.)			
The Model "A" or "C" (for steel or fibre)	1	10	0	SUNDRIES.—			
Type A Tone-arm, with Horn Elbow	3	12	6	Technical Text Book, "The Reproduction of Sound," by Henry Seymour	0	10	6
.. B	2	5	0	(Postage 5d.)			
.. C	3	3	0	Special Real Diamond Stylus, set in shank, for Blue Amberol or Edison Disc reproduction	0	15	0
.. D (for Edison Phonographs)	2	5	0	Lubrics; a high-grade motor-spring lubricant	0	1	3
MOTORS.—				Wood Horns from	1	10	0
No. 1, £5 5 0; No. 2, £4 4 0; No. 3,	3	3	0	Rubber Gasket, per foot	0	0	2
No. 20, £4 0 0; No. 77 (Motor of Quality)	5	5	0	Diaphragms; Carbon, Hornite, and Mica, from	0	1	6
No. 36, £3 15 0; No. 44, £6 15 0.				Best grade Fibre Needles, per 100	0	2	6
Packing and Rail 7s. 6d. extra.				Wade Fibre Cutters, No. 1, 8s. 6d.; No. 2,	0	10	6
Tone-arm Rests each	0	1	0	Needle Bowls, per pair	0	1	6
Weight-Regulator for H.M.V. Tone-arms (either type)	0	7	0	Other Requirements on Application.			

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The Talking Machine Review,
19, Glendale Road, Bournemouth BH6 4JA.

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