

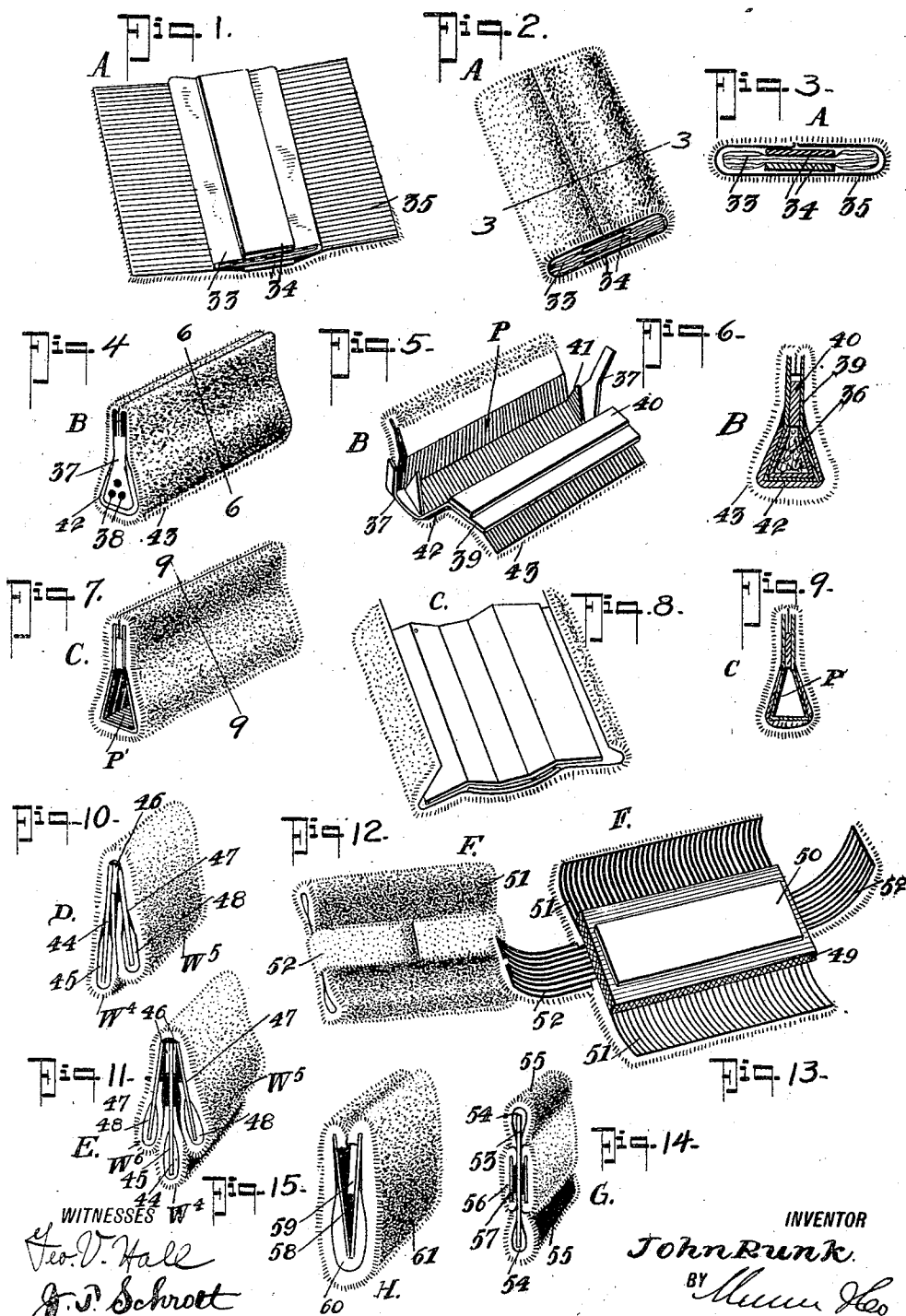
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WIPER FOR PHONOGRAPH RECORD CLEANING ATTACHMENTS

Filed April 7, 1920



UNITED STATES PATENT OFFICE.

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WIPER FOR PHONOGRAPH-RECORD-CLEANING ATTACHMENTS.

Application filed April 7, 1920. Serial No. 372,026.

To all whom it may concern:

Be it known that I, JOHN RUNK, a citizen of the United States, and a resident of Stillwater, in the county of Washington and State of Minnesota, have invented certain new and useful Improvements in Wipers for Phonograph-Record-Cleaning Attachments, of which the following is a specification.

My invention relates to improvements in wipers for phonograph cleaning attachments, and it consists in the constructions, combinations and arrangements herein described and claimed.

An object of the invention is to provide various forms of wipers to be used in connection with the improved attachment, these wipers embodying different constructions but being based on one underlying principle of construction.

Other objects and advantages will appear in the following specification, reference being had to the accompanying drawings, in which:—

Figure 1 is a perspective view of form A or the preferred form of an improved wiper, it being laid open so as to reveal the construction,

Figure 2 is a detail perspective view thereof in its complete form,

Figure 3 is a cross section on the line 3—3 of Figure 2,

Figure 4 is a perspective view of modification B of the wiper, which is arranged to hold either a perfume or a disinfectant,

Figure 5 is a detail perspective view showing the wiper in Figure 4 laid open,

Figure 6 is a cross section on the line 6—6 of Figure 4,

Figure 7 is a perspective view of modification C of the wiper, constructed on the order of the one in Figure 4 but omitting the end closure pieces,

Figure 8 is a detail perspective view showing the wiper in Figure 7 laid open,

Figure 9 is a cross section on the line 9—9 of Figure 7,

Figure 10 is a perspective view of modification D of the wiper,

Figure 11 is a perspective view of modification E of the wiper,

Figure 12 is a perspective view of modification F of the wiper,

Figure 13 is a detail perspective view showing the wiper in Figure 12 laid open,

Figure 14 is a perspective view of modification G of the wiper, and

Figure 15 is a perspective view of modification H of the wiper.

This is the parent application from which claims to a variety of species of record cleaning attachments or wiper holders are divided into as many independent applications, the present application dealing solely with the wiper structure.

As indicated in the statement of the general objects of the invention and as is obvious from the drawings, the record wiper can be made in many forms, the showing of a variety of such forms being for the purpose of illustrating to the reader how the wiper may be modified and still retain the essence of the invention. Consider the various forms in order, taking first:

Form A of the wiper in Figures 1 to 3, which comprises a padding 33 of any suitable soft material, on each side of which is pasted a narrow strip of bristol board 34. The padding, with its attached strip, is laid in the middle of a fabric facing 35, which consists preferably of a piece of velvet, the ends of which are brought over and pasted along the central line of the upper piece of bristol board, substantially as shown in Figure 2.

Form B in Figures 4, 5 and 6, is arranged to contain a cotton packing 36, which is saturated either with a perfume or a disinfectant. When this wiper is put on the market, it appears as in Figure 4, the end pieces 37 having a plurality of printed dots 38, which are adapted to be perforated with a pin point by the purchaser so as to let the fumes out. The suction of the air current around the wiper when the record is in motion, draws the fumes downwardly into contact with the record.

The foundation of this wiper consists of a piece of bristol board 39, scored at the necessary places to enable bending up into the form in Figure 6, a considerably thicker filler 40 being glued near the extremity of one end as shown in Figure 5, the end pieces 37 forming part of the foundation 39.

Triangular inserts 41 are fitted in the triangular space defined in the wiper when the parts are brought together as in Figure 6, the whole inner surface being coated with paraffin P to prevent soaking through of the substance of the cotton packing 36.

When the dots 38 are perforated with a pin as stated above, the pin point goes through the triangular insert so as to reach the inside.

5 A padding 42 is glued around the lower triangular part of the wiper, the fabric facing 43 then being applied and glued over the upper ends of the foundation 39, as clearly shown. The parts are all glued together so that the wiper becomes a one-piece structure.

Form C in Figures 7, 8 and 9, is the same as that in Figure 4, with the exception that the end pieces 37 and the triangular inserts 15 41 are omitted. The inside is coated with paraffine P', the purpose of this arrangement being that the purchaser is left to supply the triangular insert and end pieces, and also the cotton packing 36 with its perfume or disinfectant. In its other respects, the wiper is the same as that in the preceding form.

Form D in Figure 10, comprises long and short wiper portions W⁴, W⁵. The former 25 has a foundation strip of bristol board 44, with padding 45 on the lower end and a filler 46 on the upper end. One end of the wiper fabric is glued around the foundation strip, as shown.

30 The other end of the fabric is carried around and glued on the second foundation strip 47, which has no filler but does have a padding 48. The respective wiper portions W⁴ and W⁵ are not loose, but are 35 glued together where they join. This form of wiper is to be used in cases where it is desired to have double portions of the wiper bear on the record.

Form E in Figure 11, is constructed on the same principle as the wiper in Figure 40 10, an additional short wiper W⁶ being here shown. It is unnecessary to repeat the description of the structural features, it being sufficient to refer to like parts by similar 45 reference characters.

Form F in Figures 12 and 13, comprises a padding 49 with bristol board strips 50 pasted on each side on the order of the arrangement in Figure 1, facing fabric strips 51 of various colors, being pasted to the lateral extremities of the padding 49, substantially as shown in Figure 13.

55 The free ends of the facing strips are brought over and glued, the remaining open part being concealed by a binding strip 52, which may be of still a different color. When the whole wiper is glued up into its final form, it has the appearance in Figure 12.

60 Form G in Figure 14, comprises a foundation strip of bristol board 53, padded at 54 at the ends and provided with facing strips 55 which do not cover the mid portions of

the strip 53. These mid portions are covered by members 56, applied to bristol board 65 strips 57, and then glued in place.

Form H in Figure 15, comprises a V foundation 58 of bristol board, with a filler 59. The mid portion of the foundation is padded at 60, a facing strip 61 being ap- 70 plied substantially as shown, the whole structure being glued together so as to make a firm and unitary wiper.

All of the foregoing wiper forms, while different as to details of construction, em- 75 body the underlying principle of a soft fabric covering strip with reinforcing means on the inside to make the wiper sufficiently stiff to prevent its collapsing in use. Any of the foregoing wiper forms can be used in 80 connection with any of the forms of the cleaning attachment.

I claim:—

1. A record wiper comprising a plurality of stiffeners, a padding disposed between 85 the stiffeners and having opposite sides extending loosely beyond adjacent edges of said stiffeners and a covering enfolding the stiffeners and loose padding sides.

2. A record wiper comprising a padding 90 strip, stiffening strips applied to opposite sides of said strip, and a covering comprising a fabric sheet folded to envelop all of the aforesaid strips and secured at the meet- 95 ing edges.

3. A record wiper comprising a plurality of stiffeners, a padding disposed between the stiffeners and having opposite sides extending loosely beyond adjacent edges of said stiffeners to impart elasticity thereto, 100 a covering enfolding the stiffeners and loose padded sides, and means by which the meeting edges of the enfolding covering are fastened together.

4. A record wiper comprising a plural- 105 ity of stiffeners laid in parallelism, padding disposed between the stiffeners having opposite sides extending loosely beyond adjacent edges of said stiffeners and forming a substantially flat object, and a covering en- 110 folding the stiffeners and loose padded sides said covering being fastened along the meeting portions.

5. A record wiper comprising stiffening 115 means, a padding pasted on the stiffening means so as to extend beyond a longitudinal edge thereof, and a covering consisting of a fabric sheet which is folded to envelop the padding and stiffening means and being 120 held in place by pasting the edges along the stiffening means.

JOHN RUNK.

Witnesses to signature of John Runk:

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