Jan. 13, 1959 S. GORDON 2,868,153

ADJUSTABLE GAUGE ATTACHMENT HOLDER FOR SEWING MACHINES

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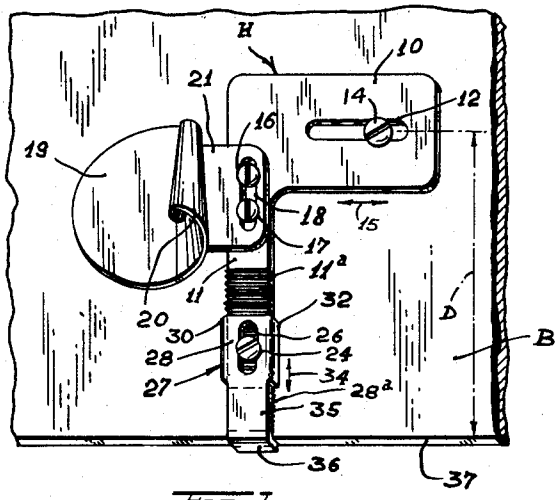


FIG. 1

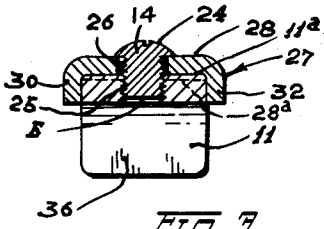


FIG. 3

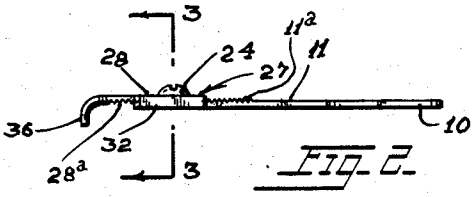


FIG. 2

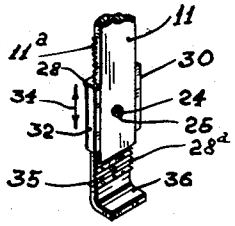


FIG. 4

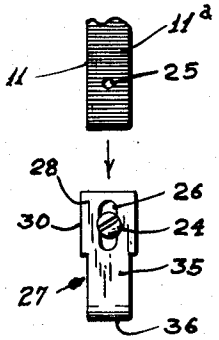


FIG. 5

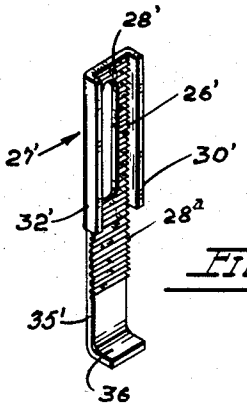


FIG. 6

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ADJUSTABLE GAUGE ATTACHMENT HOLDER FOR SEWING MACHINES

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1 Claim. (Cl. 112—257)

This invention concerns an adjustable attachment holder for a sewing machine. The invention is especially useful for hemmer and binder attachments having a curved anchor arm arranged to engage the edge of a sewing machine bedplate.

It has been known heretofore to provide a hemmer or binder attachment for a sewing machine with an anchor arm integrally formed with a mounting plate for the work piece of the attachment. Such attachments have heretofore been made in different sizes with anchor bars of different lengths, because sewing machines of different makes and types have bedplates of varying dimensions.

A principal object of the present invention is to provide a mounting plate for a sewing machine with an adjustable anchor plate.

A further object is to provide a detachable anchor arm extension for a sewing machine attachment.

A further object is to provide a means for fitting an attachment to a sewing machine bedplate.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings, and to the appended claim in which the various novel features of the invention are more particularly set forth.

In the accompanying drawings forming a material part of this disclosure:

Fig. 1 is a plan perspective view of an attachment holder embodying the invention.

Fig. 2 is an elevational side view of the attachment holder.

Fig. 3 is a sectional view taken on lines 3—3 of Fig. 2.

Fig. 4 is a perspective view of a portion of the anchor arm and adjustable extension.

Fig. 5 is an exploded view of the members shown in Fig. 4.

Fig. 6 is a perspective view of a modified form of arm extension member.

In Fig. 1 is shown a generally L-shaped attachment holder H having a flat rectangular base plate **10** with an elongated strip-like flat arm **11** extending perpendicular therefrom and coplanar with the base plate. The base plate is provided with a slot **12** through which may be inserted a screw **14** threaded in an aperture in the bedplate B of a sewing machine. The base plate is laterally adjustable in position as indicated by arrow **15**. A pair of screws **16** and **17** are threaded in the base plate **10** and arm **11** respectively and serve to secure the work piece **19** to the holder H. The work piece has a plate extension **21** in which is a slot **18** for adjustably positioning the work piece before the screws **16** and **17** are tightened. The work piece is provided with a scroll portion **20** for turning a plain hem. Instead of the hemmer type work piece **19** there may be substituted hemmer work pieces of other known types as well as binder work pieces for braid, tape, piping, etc.

Near the end of the arm **11**, as clearly shown in Figs. 4 and 5, is a threaded aperture **25**. A screw **24** is threaded in this aperture. This screw has an enlarged head which

overlies the sides of a slot **26** in the anchor arm extension member **27**. This member, as shown in Figs. 1–5, has a substantially flat bearing plate portion **28** which is seated on the end of arm **11**. The bottom face of bearing plate **28** is formed with serrations **28a** adapted to be engaged with complementary serrations **11a** formed on the top surface of the arm **11** to assure that the device will stay in set position. Slot **26** is centrally disposed in plate portion **28** and is substantially equal in length thereto. A pair of laterally disposed flanges **30**, **32** engage the sides of arm **11**. The extension member is thus slidably mounted on the arm **11** and is securable by a screw **24** in a desired position as indicated by arrow **34**. The end E of screw **24** is located flush with or just short of the bottom of the arm **11** as shown in Fig. 3, when the screw is fully tightened. Plate portion **28** has a further extension **35** which terminates in a flanged curved end to define a hook **36** which engages the extreme edge **37** of bedplate B, and the serrations **28a** extend onto the extension **35**.

The distance D between the anchor point of screw **14** and the edge **37** of the bedplate depends on the particular make and model of the sewing machine with which the attachment is to be used. In order to compensate for varying sizes of bedplates, i. e. for different lengths of distance D, the arm extension **27** may be adjustably positioned by means of the screw **24**. When screws **14** and **24** are tightened rotational movement of the holder and work piece on the bedplate is effectively prevented. If necessary, extension member **27** can be made considerably longer than shown in Figs. 1–5 as illustrated in Fig. 6 where the extension member **27'** has a long plate portion **28'** with a long slot **26'** and long side flanges **30'**, **32'**. Extension **35'** is also considerably lengthened, and the serrations **28a** on the plate portion **28'** extend onto the extension **35'**.

The attachment holder H with extension **27** or **27'** is preferably made of stainless steel, but it may be made of another suitable sheet metal punched and shaped to required form.

While I have illustrated and described the preferred embodiments of my invention, it is to be understood that I do not limit myself to the precise constructions herein disclosed and that various changes and modifications may be made within the scope of the invention as defined in the appended claim.

Having thus described my invention, what I claim as new, and desire to secure by United States Letters Patent is:

In a hemmer attachment holder for a sewing machine having a bedplate, the combination comprising a flat generally rectangular plate having a slot therein, a screw disposed therein and engaged in an aperture in the bedplate, a work piece removably secured by screws to said flat plate, an arm in the form of a flat strip-like member formed integrally with said flat plate, said arm being coplanar with the flat plate and extending perpendicular thereto, said arm having a threaded aperture near the free end thereof and having serrations on its upper surface, and a member forming an extension of the arm slidably supported on the arm, said extension member being a narrow plate having depending flanges juxtaposed to opposite sides of the arm, said narrow plate having a centrally disposed elongated slot therein, a screw extending through said latter slot and being threaded in said aperture and having a head bearing on said narrow plate, said narrow plate having serrations on its bottom surface adapted to coact with the serrations on the arm, said narrow plate having a portion extending beyond said flanges and terminating in a depending hook engaged with an edge of the bedplate, whereby rotational movement

of the work piece and the flat plate on the bedplate is effectively prevented.

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