

# PFAFF 3334

## Automatic Lockstitch Bar Tacking Machine

with central bobbin and link take-up

**for trade and industry**

with individual motor or transmission drive

Maximum Speed : 1200 Stitches per Minute

Power Required :  $\frac{1}{3}$  HP (1400 R.P.M.)

Needles : System 34 R, 34 LR + 68 x 13

Net Weight (head only) : 87 lbs

Gross Weight (head boxed) : 121 lbs

Box Dimensions : 25" x 16" x 11 $\frac{1}{2}$ "

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No. 716 eng. G. 555

Printed in Germany

# List of Sub-Classes with Stitch Diagrams

3334 - 1	3334 - 11	3334 - 6	3334 - 22	3334 - 10	3334 - 18
3334 - 2	3334 - 12	3334 - 26	3334 - 23	3334 - 14	3334 - 19
3334 - 4	3334 - 13	3334 - 30	3334 - 32	3334 - 21	
3334 - 5	3334 - 15	3334 - 34			
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3334 - 3	3334 - 31	3334 - 33	3334 - 27	3334 - 36	3334 - 35
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3334 - 7	3334 - 9	3334 - 28	3334 - 8	3334 - 41	3334 - 43
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# PFAFF 3334 Automatic Lockstitch Bar Tacking Machine

## Application:

The PFAFF 3334 is a special sewing machine for the automatic sewing of bars and short seams of varied design, making 7, 9, 14, 21, 28, 36, 42, or 56 stitches.

It may be used in all branches of the sewing industry and is particularly suitable for all kinds of barring, staying, basting, and for attaching labels and straps, etc.

A comparison with a standard machine merely based on the number of revolutions per minute is not possible for the jobs done by this machine as its efficiency, as compared with a standard machine making the same number of revolutions per minute, can only be measured in terms of the number of stitches per bar and the time required for manual operations.

The size and the handiness of the work influence considerably the output obtainable. A comparison with the outputs of other machines can only be made if the number of stitches per bar, the size of the work, the number of bars or short seams per work piece, and the location on the work of the bars or the short seams are approximately alike.

If, as a result of such comparison, there should still be a considerable difference in output, it can only be attributed to other factors, such as the skill of the operator and the convenient arrangement of the work, etc.

The cylinder bed measuring only  $2\frac{11}{16}$ " in diameter facilitates also the stitching of tubular work on the PFAFF 3334. The various models and their applications are described in the following list of sub-classes. The explanations given as well as the stitch diagrams shown will alleviate the selection of the model best suited for the respective purpose.

## Legend of the Stitch Symbols Used:

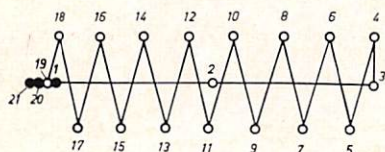
Stitches are described as seen from the operator.

— — —	Staying Stitches	=	Cross stitches extending lengthwise to the bar
	Covering Stitches	=	Longitudinal stitches
=====	Full-Width Stitches	=	Long transverse stitches extending over the entire width without intermediate stitches
● ●	Tying Stitches	=	Initial and closing stitches without moving the work
=====	Casting Stitches	=	Finishing stitches covering the initial stitches

# Sub-Classes of the PFAFF 3334 Automatic Bar Tacking Machine

## PFAFF 3334-1 for underwear manufacturing

3334-1-4-5



3334-1

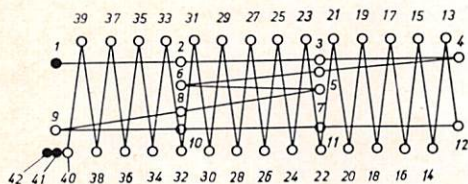


This is a special machine for producing short bars  $\frac{5}{32}$ " to  $\frac{9}{32}$ " long, and  $\frac{1}{16}$ " to  $\frac{3}{32}$ " wide, with 2 staying, 16 covering, and 3 tying stitches.

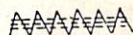
It is used for bars on pockets, slashes and gussets in sport shirts, night shirts, pyjamas, etc. The PFAFF 3334-1 is also frequently used for barring collar joints in work clothing. Needles System 34 R.

## PFAFF 3334-2 for clothing industries

3334-2



3334-2

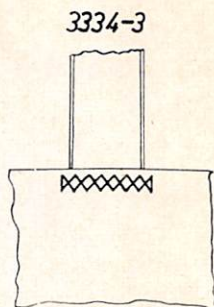
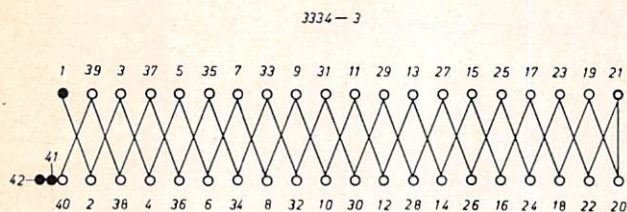


A standard machine for stitching bars  $\frac{5}{16}$ " to  $\frac{5}{8}$ " long, and  $\frac{5}{64}$ " to  $\frac{1}{8}$ " wide, with 11 staying, 28 covering, and 3 tying stitches.

This machine is essential for bars on pockets and slashes in wearing apparel of all kinds, in overalls and uniforms, in protective clothing, wind jackets, rain coats, etc. The PFAFF 3334-2 is often also used for sewing on coat hangers and loops. The machine is intended for work of up to  $\frac{5}{16}$ " in thickness. For heavier fabrics we recommend the PFAFF 3334-3. Needles System 34 R.



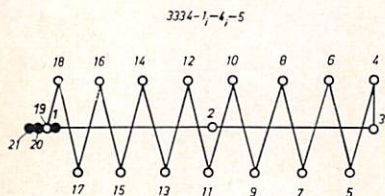
## PFAFF 3334-3 for the automatic attaching of shoulder straps



This machine is particularly suitable for sewing shoulder straps on underwear. It differs from the PFAFF 3334-2 in that it does not make a firm bar with diagonal staying stitches but sews two overlapping and offset zigzag seams. This makes an **elastic** and durable seam, such as is generally desired for tricot material frequently use for underwear.

The straps are sewn on with 42 stitches, including 3 tying stitches. The bar measures  $\frac{3}{8}$ " to  $\frac{55}{64}$ " in length, and  $\frac{5}{64}$ " to  $\frac{1}{8}$ " in width. Needles System 34 R. The PFAFF 3334-3 can also be used to advantage for stitching bars on heavy, firm plies because of the slow feed favoring the stitching of heavy material. Needles System 68x13.

## PFAFF 3334-4 for barring tailored buttonholes in light clothing, overalls, and fabric shoes



3334-4

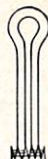
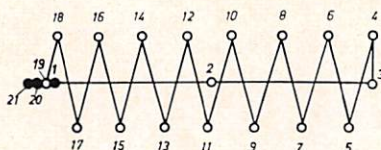


The PFAFF 3334-4 produces a short, good looking bar  $\frac{5}{32}$ " to  $\frac{9}{32}$ " long, and  $\frac{5}{64}$ " to  $\frac{1}{8}$ " wide, with 2 staying, 16 covering, and 3 tying stitches which firmly cover the twisted buttonhole gimp. Between the paws of the clamp a small **guide** is arranged which enters into the buttonhole slot to facilitate the insertion of the work and to ensure the correct positioning of the bar. The **shoe industry** uses this machine to bar tailored buttonholes in **button shoes of fabric**. Needles System 34 R.

## PFAFF 3334-5 for barring tailored buttonholes used in ready-made clothing

3334-1-4-5

3334-5



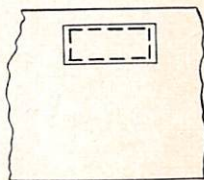
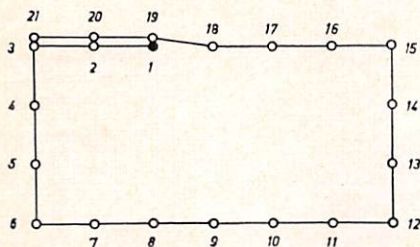
This sewing machine is equipped with a **special gathering clamp**. It makes the same bar as the PFAFF 3334-4 described above.

In order to produce a hole particularly well closed, this machine has a special clamp device whose two paws perform a lateral motion. The paws first spread, then press down on the work, pushing the fabric together towards the middle. This machine also has a small guide between the paws, entering into the buttonhole slot to facilitate the proper insertion of the work and to ensure the correct positioning of the bar. Needles System 34 R.

## PFAFF 3334-6 for attaching tags and labels

3334-6

3334-6

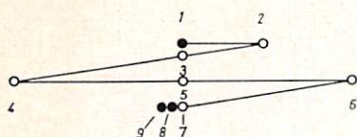


This special sewing machine has become very popular with many branches of the sewing industry. The machine automatically moves the material while sewing so that stitches form a block  $\frac{19}{32}$ " long and  $\frac{23}{64}$ " wide as shown in the above diagram. It does 21 stitches, including 2 covering, and 1 tying stitch. Through appropriate adjustment of the machine, smaller rectangles down to  $\frac{15}{32}$ " x  $\frac{15}{64}$ " can be obtained, provided the clamp feet and the feed plate have been adapted accordingly. Needles System 34 R.

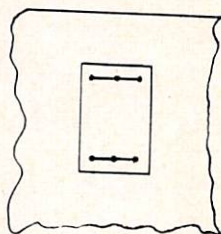


## PFAFF 3334-7 for affixing labels

3334-7



3334-7

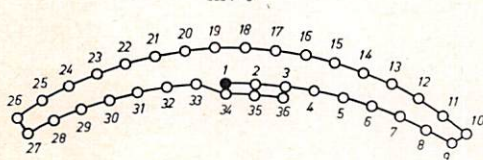


This machine is used for stitching labels to all kinds of garments, etc., with 9 stitches, including one tying stitch at the beginning and two at the end of the seam. The size of the label is immaterial since it can be fastened with one, two, or more bars.

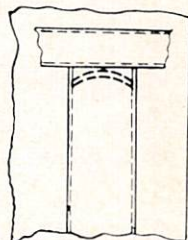
The width of the bar ranges from  $\frac{5}{16}$ " to  $\frac{38}{64}$ ". In laundries and dyeing shops, this machine is very helpful for **tacking costumer identification labels**. Needles System 34 R.

## PFAFF 3334-8 for the corset and bodice industry

3334-8

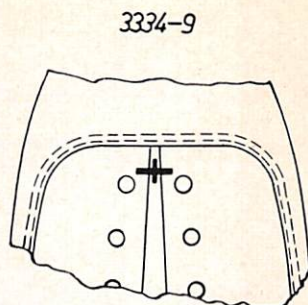
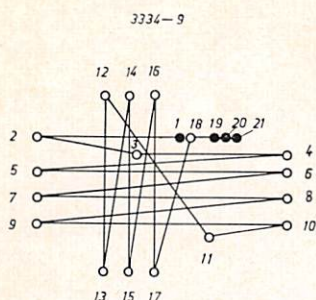


3334-8



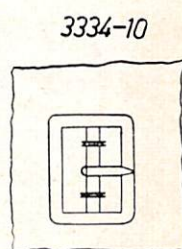
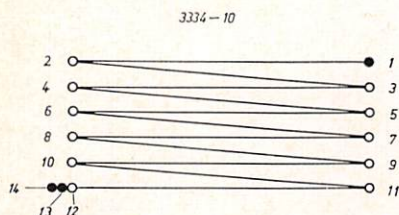
This special machine is used for curved bars closing the stay pockets. As shown in the illustration, this machine sews a curved double seam with 36 stitches which, depending on the width of the bones to be inserted, can be adjusted from  $\frac{35}{65}$ " to  $\frac{41}{64}$ " in width (length of chord in above diagram). Needles System 34 R.

## PFAFF 3334-9 for manufacturing shoe uppers



For the manufacture of shoe uppers this bar tacker is indispensable. It makes the so-called **cross bars** on vamps and goloshes as well as the bar tacks on quarter points with 4 staying, 6 full-width, 7 covering, and 4 tying stitches. Maximum bight  $\frac{9}{32}$ " to  $\frac{3}{8}$ ". Needles System 34 LR.

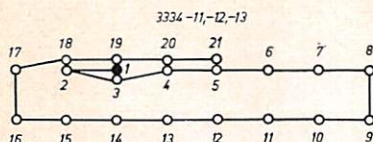
## PFAFF 3334-10 for fastening buckles on shoes



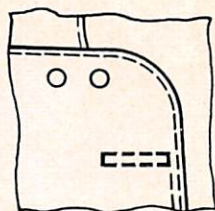
This machine does 14 stitches (11 full-width, and 3 tying stitches). The buckles are fastened with 2 or 4 separate bars sewn across the center bar of the buckle. This machine can also be used for sewing on lacing hooks, hooks and eyes, loops and rings, for which specially fitted clamp jaws have to be made in conformity with samples to be submitted. Maximum bight for stitching over the buckle center bar  $\frac{13}{64}$ ". Length of bar  $\frac{7}{32}$ ". Needles System 34 R.



## PFAFF 3334-11 for sewing Blucher bars



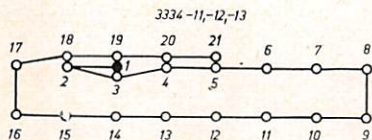
3334-11



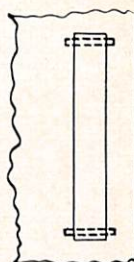
The PFAFF 3334-11 is a special machine for the shoe industry and is used for **sewing Blucher bars and catching in gores** in one operation. It does 1 tying, 16 plain, and 4 casting stitches.

As shown in the illustration, the machine makes a durable, good looking double seam of a maximum length of  $\frac{35}{64}$ " and a width of  $\frac{5}{64}$ " as used on sport shoes, etc. Needles System 34 LR.

## PFAFF 3334-12 for automatic stitching of belt loops and cloth hangers

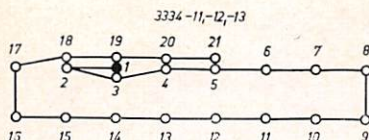


3334-12



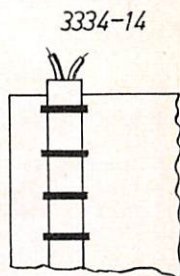
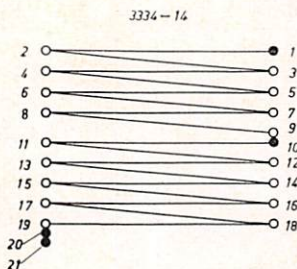
For the sewing of loops and hangers the PFAFF 3334-12 is recommended. This machine does 1 tying, 16 plain, and 4 casting stitches and makes the same design as the PFAFF 3334-11, except that the stitch pattern is narrower. The slot for the needle in the clamp foot and in the feed plate is proportionately narrower to prevent pulling the material out of shape during the sewing operation. The length of the bar can be selected from  $\frac{25}{64}$ " to  $\frac{35}{64}$ " and its width from  $\frac{5}{128}$ " to  $\frac{5}{64}$ ". Needles System 34 R.

## PFAFF 3334-13 for attaching smaller ring and bar buckles to leather belts



The leather belt is folded around the buckle bar and closed with a short bar stitched along the latter. As with the PFAFFs 3334-11 and -12, the seam consists of 1 tying 16 plain, and 4 casting stitches. For the proper fitting of the holding devices it is necessary to furnish samples of the buckles and belts. For larger buckles the PFAFF 3334-37 is recommended which furnishes a seam made up of 42 stitches. Needles System 34 LR.

## PFAFF 3334-14 for sewing cables to heating pads and tufting

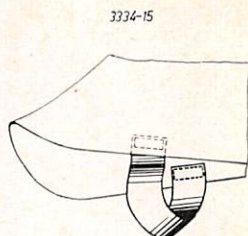
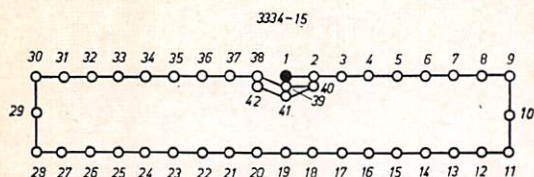


The PFAFF 3334-14 attaches cables to heating pads quickly and durably. The machine does 17 full-width and 4 tying stitches.

For better results, it is recommended to reduce the sewing speed of the machine to about 600 or 700 stitches per minute by applying a small-diameter motor pulley. In the mattress industry, the PFAFF 3334-14 can be used to great advantage for **tufting**. The wool strands are constantly pulled on for the required length by the half-round pressure feet and sewn on. The tufts are then cut off individually. Needles System 34 R.



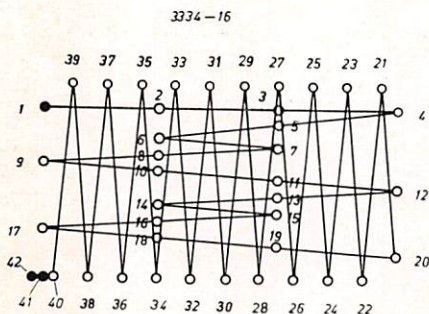
## PFAFF 3334-15 for attaching elastic tape to spats



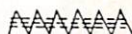
This machine performs 42 stitches, i. e. 38 plain, 1 casting, and 3 tying stitches.

The large number of stitches is absolutely necessary to ensure a durable bar to prevent the tearing off of the elastic while wearing the spats. The opening in the presser foot is adapted to the size of the stitch pattern. Maximum length of the bar  $\frac{7}{8}$ ". Width of bar  $\frac{5}{64}$ " -  $\frac{5}{32}$ ". Needles System 34 R.

## PFAFF 3334-16 for barring pockets



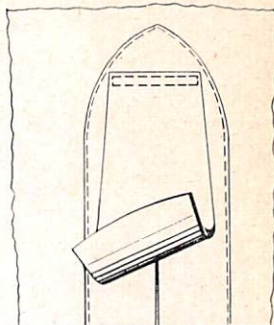
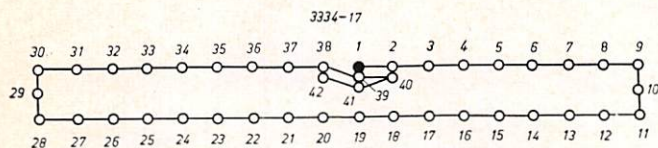
3334-16



In the clothing industry, this machine is used wherever a particularly strong and durable bar is required. The large number of staying stitches produces a bar which will stand up under the heavy strain to which it is exposed at pockets, etc. The machine does 19 staying, 20 covering, and 3 tying stitches. The length of the bar can be set from  $\frac{15}{64}$ " to  $\frac{35}{64}$ ", and the width from  $\frac{5}{64}$ " to  $\frac{1}{8}$ ". Needles System 34 R.

**PFAFF 3334-17** for stitching tongues in shoes and affixing manufacturer's labels

3334-17



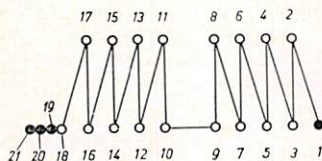
As compared with the PFAFFs 3334-11 and -12, this machine produces a particularly long bar from  $\frac{11}{128}$ " to  $1\frac{3}{16}$ " long and  $\frac{5}{64}$ " to  $\frac{15}{128}$ " wide, as is mostly required for stitching tongues in shoes and labels.

The clamp foot is fitted for the material to be sewn. Orders should be accompanied by sufficient testing material and samples of the work. Needles Systems 34 LR and 34 R.

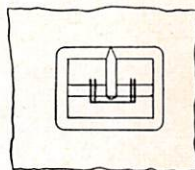
The seam block is formed of 38 plain, and 4 casting stitches and is neat and very durable.

**PFAFF 3334-18** for sewing on small buckles in one operation

3334-18



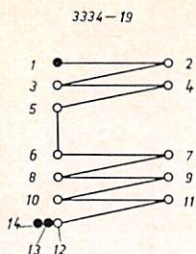
3334-18



This kind of work which formerly had to be done by hand can now readily be done on our PFAFF 3334-18 which fastens small buckles in **one** operation with 16 covering, 1 full-width, and 4 tying stitches.  $\frac{7}{32}$ " bight for stitching across the buckle center bar. Length of stitch pattern can be adjusted from  $\frac{3}{32}$ " to  $\frac{28}{64}$ ". The width of the bar ranges from  $\frac{5}{32}$ " to  $\frac{15}{64}$ ". Needles System 34 R. The pressure clamp will be fitted exactly to the sample.



## PFAFF 3334-19 for joining loops of watch bands



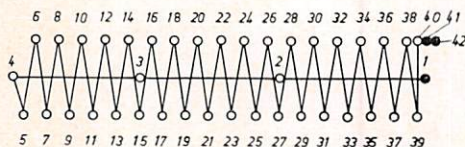
3334-19



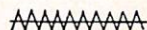
Formerly the leather industry joined loops for watch bands by means of small metal staples. Such loops had the disadvantage that the staples oxidized and, thus, soon became useless. With very little practice such loops can be neatly and durably joined on the PFAFF 3334-19. This machine does 12 full-width, 1 covering, and 3 tying stitches. Length of bar  $\frac{5}{32}$ " -  $\frac{25}{128}$ ". Needles System 34 R. When ordering, please submit samples of the material and of the work. Fitted only for loops exceeding  $\frac{11}{32}$ " in diameter.

## PFAFF 3334-20 for bars on pockets and slashes

3334-20

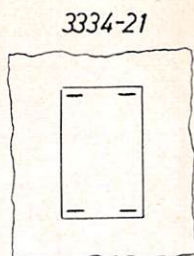
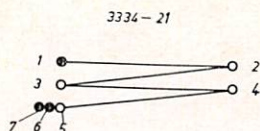


3334-20



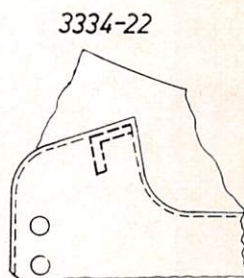
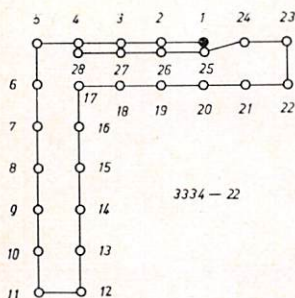
This machine makes an exceptionally fine closed bar and, therefore, is preferred for barring seams on upper garments. It does 3 staying, 36 covering, and 3 tying stitches. The length of bar can be set from  $\frac{5}{16}$ " to  $\frac{25}{32}$ ", and its width from  $\frac{5}{64}$ " -  $\frac{1}{8}$ ", depending on the material. Needles System 34 R.

## PFAFF 3334-21 for attaching labels



4 full-width and 3 tying stitches sewn with a bight of  $\frac{1}{8}$ " to  $\frac{15}{64}$ " suffice to fasten the labels at the corners in a durable manner. Needles System 34 R. This machine may also be used for inserting insoles (California).

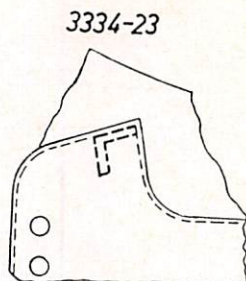
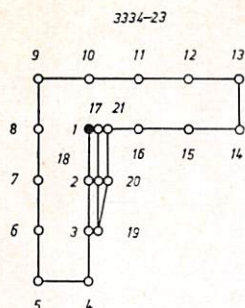
## PFAFF 3334-22 for sewing angular Blucher bars on medium weight leather uppers



To do away with the bar at the end of the ordinary seam, an angular Blucher bar is applied to prevent the shoe quarter from tearing off. The operator need only place the work in the correct position under the pressure clamp and start with the sewing. No turning of the work is necessary and all angular bars look absolutely alike. This machine has proved a great time-saver. The PFAFF 3334-22 sews a 90° angle made of two parallel seams of 24 plain, 3 casting, and 1 tying stitch, the angle measuring  $\frac{25}{64}$ " x  $\frac{25}{64}$ ". Needles System 34 LR.

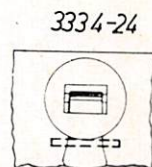
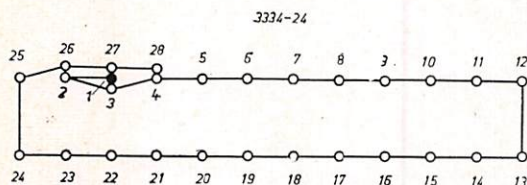


**PFAFF 3334-23** for sewing angular Blucher bars on lightweight leather (ladies' and children's shoes)



This machine also sews a 90° angular bar like the PFAFF 3334-22 but with only 21 stitches (16 plain, 4 casting, and 1 tying stitch), the angle measuring  $\frac{5}{16}$ " x  $\frac{5}{16}$ ". The stitches are somewhat apart from each other to prevent tear-offs, even with very thin leather. Needles System 34 LR.

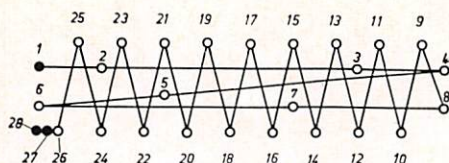
**PFAFF 3334-24** for bars on button loops of leather shorts



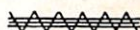
Because of the easy insertion of the work from the front the fastening of button loops by means of an automatically sewn bar consisting of parallel seams is durable and easy to accomplish. As compared with an ordinary sewing machine the output is stepped up considerably as a result of the simpler operation of this machine and the elimination of thread cutting. The length of bar can be adjusted from  $\frac{5}{8}$ " to  $1\frac{1}{32}$ ", and its width from  $\frac{5}{64}$ " -  $\frac{15}{128}$ ", the bar consisting of 24 plain, 2 casting, and 2 tying stitches. In order to facilitate fitting of the clamp, orders should be accompanied by samples of the material and the type of work. Needles System 34 LR. After exchanging the clamp feet and the feed plate, the machine can also be used for other jobs.

## PFAFF 3334-25 for barring pockets

3334 — 25



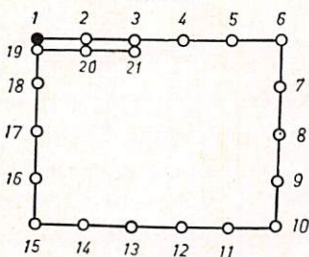
3334-25



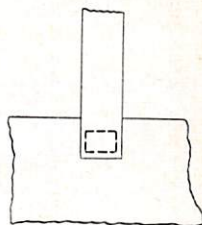
The bar produced by this machine is very durable and has become very popular. It can be stitched from  $\frac{15}{64}$ " to  $\frac{9}{16}$ " long, and from  $\frac{5}{64}$ " to  $\frac{1}{8}$ " wide, and consists of 7 staying, 18 covering, and 3 tying stitches. Needles System 34 R.

## PFAFF 3334-26 for sewing fancy straps to shoes

3334-26



3334-26

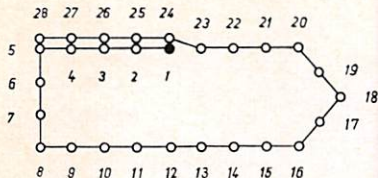


For this work the PFAFF 3334-26 furnishes a plain rectangular bar of 18 plain, 2 casting, and 1 tying stitch. When ordering it is essential that sample material be submitted. The maximum size of the bar is  $\frac{23}{64}$ " x  $\frac{15}{64}$ " and, if desired, can be somewhat reduced provided stitches then do not lie too close so as not to cut off the material. Needles System 34 LR.

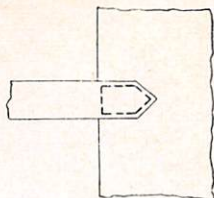


## PFAFF 3334-27 for sewing on shoe straps

3334-27



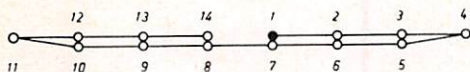
3334-27



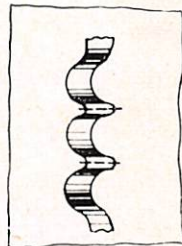
This machine serves the same purpose as the PFAFF 3334-26, the only difference being that the stitch diagram has a mitre-shaped end. This machine with 23 plain, 4 casting, and 1 tying stitch produces a stitch diagram  $10\frac{1}{32}$ " long and  $1\frac{5}{64}$ " wide and is very popular because the work is guided most reliably. Needles System 34 LR.

## PFAFF 3334-28 for sewing loops on dressing cases or cases for writing utensils

3334-28



3334-28

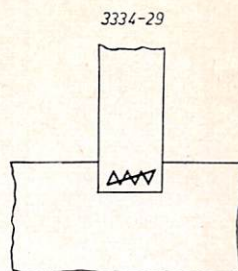
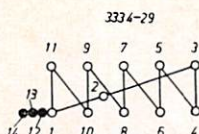


The loops which hold writing utensils and the like are close together and are sewn on with 14 stitches (7 plain, 6 casting, and 1 tying stitch). The pressure clamp is adapted to the narrow spacing between loops. The seam runs crosswise forward and backward and can be adjusted from  $3\frac{5}{64}$ " to  $2\frac{5}{32}$ " in length. In order to be in a position to attach loops of any customary width, the PFAFF 3334-28, in addition to the standard model, is also available in the following special models:

1. Sewing 9 stitches (4 plain, 3 casting, and 2 tying stitches), adjustable from  $5\frac{1}{16}$ " to  $5\frac{1}{8}$ ".
2. Sewing 14 stitches (6 plain, 6 casting, and 2 tying stitches), adjustable from  $1\frac{5}{32}$ " to  $2\frac{5}{32}$ ".
3. Sewing 21 stitches (10 plain, 9 casting, and 2 tying stitches), adjustable from  $2\frac{5}{32}$ " to  $1\frac{7}{64}$ ".

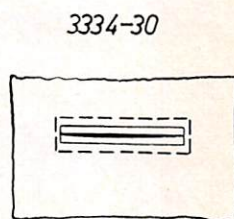
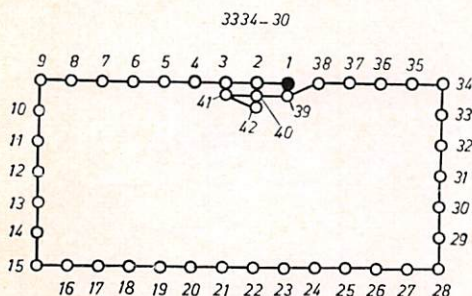
Needles System 34 R.

## PFAFF 3334-29 for sewing straps to lingerie



For the durable fastening of straps on ladies' lingerie the PFAFF 3334-29 is exceptionally useful. This machine sews 2 diagonal full-width, 9 plain, and 3 tying stitches. This prevents the straps from tearing off the garment. Length of bar  $\frac{5}{32}$ " -  $\frac{15}{64}$ ". Needles System 34 R.

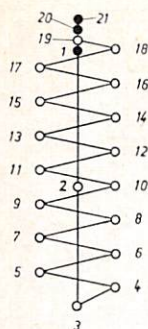
## PFAFF 3334-30 for stitching buttonholes with piping



The sewing of the piping on a standard sewing machine is very troublesome because the work has to be turned several times. The automatically produced rectangular seam of the PFAFF 3334-30 does not require any turning of the material and ensures higher output especially when processing larger work pieces. The machine does 38 plain, 3 casting, and 1 tying stitch. The maximum size of the rectangle is  $\frac{19}{32}$ " x  $\frac{13}{64}$ ", and its minimum  $\frac{25}{64}$ " x  $\frac{63}{64}$ ". Orders should be accompanied by sufficient testing material and, if possible, by samples of the work. Needles System 34 R.

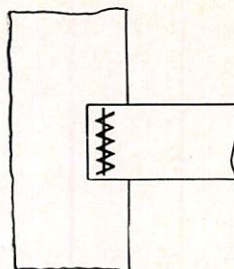


**PFAFF 3334-31** for bar tacking overcast seams as well as for sewing straps to silk tricot



3334-31

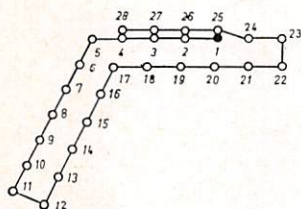
3334-31



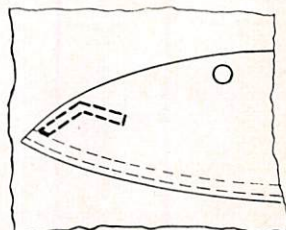
For finishing the edges of blankets, etc., an overcast seam is often used. In order to prevent unravelling of the stitches, the end of the seam is automatically tied with a bar made on the PFAFF 3334-31. The bar lies parallel to the arm and consists of 2 staying 16 covering, and 3 tying stitches. The length of bar can be adjusted from  $\frac{15}{64}$ " to  $\frac{25}{64}$ ", and its width from  $\frac{1}{16}$ " to  $\frac{3}{32}$ ". The PFAFF 3334-31 also serves to stitch small straps to silk lingerie whereby strap and work can readily be placed beneath the pressure clamp. Needles System 34 R.

**PFAFF 3334-32** for stitching bars to Bluchers

3334-32

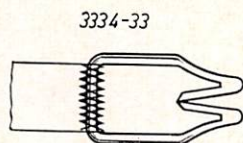
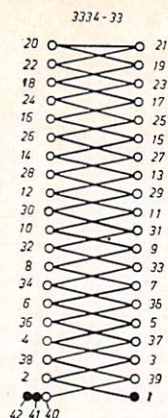


3334-32



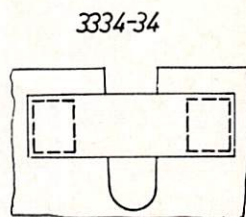
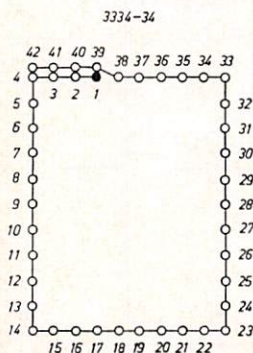
For this kind of work it is important that the bar be placed so as to equalize the strain over its entire length. With a good many designs it has been found that a bar made at an angle of  $120^\circ$  is preferable to one of  $90^\circ$  and that it is in better harmony with the lines of the shoe design. The machine makes 24 plain, 3 casting, and 1 tying stitch. Length of bar  $2 \times \frac{25}{64}$ ", width of bar  $\frac{5}{64}$ " -  $\frac{15}{128}$ ". Needles System 34 LR.

## PFAFF 3334-33 for sewing clasps on trusses, etc.



This machine does not produce a rigid bar formed by reinforcing stitches made cross-wise but fastens the clasp by means of two offset zigzag seams stitched on top of each other. This makes an elastic and durable seam which prevents the clasp from slipping. The clasps are sewn on with 39 plain, and 3 tying stitches. The length of bar ranges from  $\frac{23}{64}$ " to  $\frac{19}{32}$ ", and its width from  $\frac{5}{32}$ " to  $\frac{15}{64}$ ". Needles System 34 R.

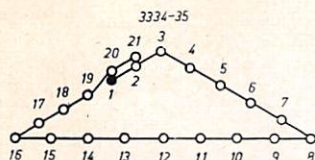
## PFAFF 3334-34 for stitching elastic ribbons to protective socks as well as for sewing on buckle straps



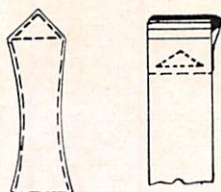
This machine attaches elastic ribbon and buckle straps with a bar consisting of 42 stitches (1 tying, 37 plain, and 4 casting stitches), forming an almost square stitch diagram  $\frac{15}{32}$ " wide and  $\frac{19}{32}$ " long. Important in such work is not only the durability but also the even and good appearance. The work can be pushed easily under the pressure clamp from either side. Needles System 34 R.



## PFAFF 3334-35 for joining lining and leather at the points of straps

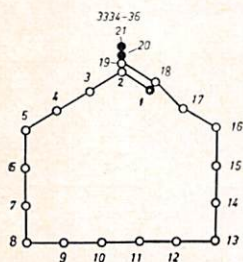


3334-35

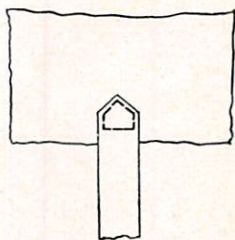


First the leather lining is stitched to the strap along both edges which is done on an ordinary sewing machine. Then, a triangular bar is produced at the point of the strap which not only is more durable but also is produced more evenly with the aid of the PFAFF 3334-35. This bar consists of 17 plain, 1 casting, and 3 tying stitches. Orders should be accompanied by samples of the work and testing material to enable exact fitting of the cam. The triangle has a maximum width of  $\frac{19}{32}$ " and is  $\frac{13}{64}$ " high. Needles System 34 LR.

## PFAFF 3334-36 for attaching straps to shoes and to underwear



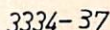
3334-36



This machine produces a pentagonal bar using 18 plain, 1 casting, and 2 tying stitches. This bar is very popular because it is in good harmony with the lines of the shoe design and, if extended over a larger surface, can bear more strain. On underwear this bar holds more texture threads and so guards against tear-offs, even with flimsy fabrics. The pentagon measures  $\frac{9}{32}$ " to  $\frac{15}{32}$ " along the base, and its side  $\frac{15}{64}$ " to  $\frac{5}{16}$ ", the height being  $\frac{23}{64}$ " to  $\frac{15}{32}$ ". The clamp feet and the feed plate have to be fitted especially. Needles Systems 34 R and 34 LR.

**PFAFF 3334-37**

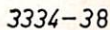
for inserting larger buckles in leather or fabric belts, etc.



The belt beaded around the center bar of the buckle is barred close to the latter. The bar consists of 38 plain and 4 casting stitches. The length of the twin seam bar can be set from  $\frac{7}{8}$ " to  $1\frac{3}{16}$ ". Width of bar  $\frac{5}{64}$ " -  $1\frac{5}{128}$ ". For shorter twin seam bars please refer to sub-class -13. In order to allow for proper fitting of the clamp orders should be accompanied with samples of the belt material and of the buckles. Needles System 34 LR.

**PEAFF 3334-38**

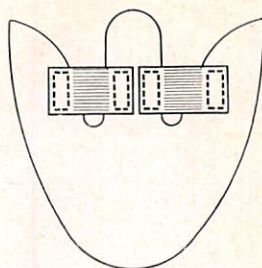
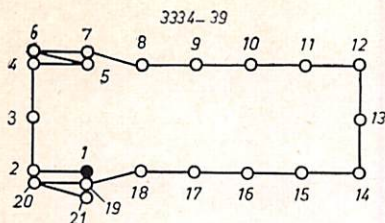
for stitching small Blucher bars on ladies' and children's shoes



This machine does 12 plain, 1 casting, and 1 tying stitch. The length of the twin seam bar can be set from  $\frac{9}{32}$ " to  $\frac{25}{64}$ ", and its width from  $\frac{1}{16}$ " to  $\frac{5}{64}$ ". These measurements are especially adapted to children's shoes in order to prevent tearing off of the material. Needles System 34 LR.

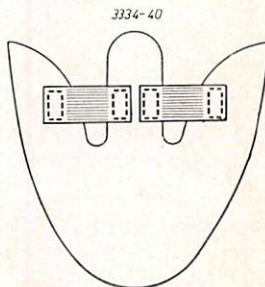
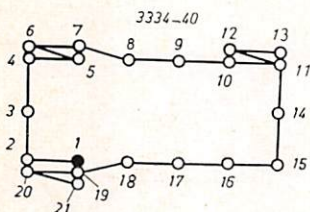


## PFAFF 3334-39 for attaching elastic ribbon to slippers



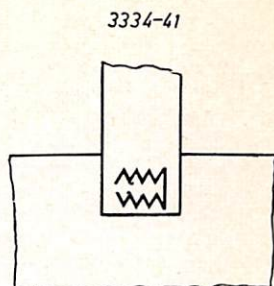
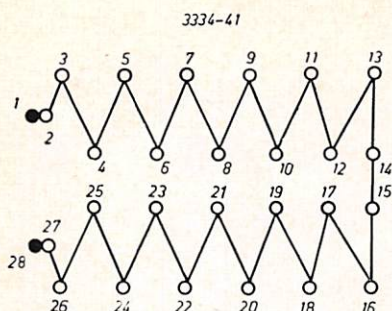
This small rectangular bar lends itself to versatile application. As it is more elastic than an ordinary bar, this type of bar is preferred for attaching elastic ribbon. In accordance with the width of the elastic, the measurements of the bar were limited to  $\frac{5}{32}'' \times \frac{3}{8}''$ . This machine, producing 21 stitches total (17 plain, 3 casting, and 1 tying stitch), makes a wider bar than sub-class -11. Needles System 34 LR.

## PFAFF 3334-40 for attaching elastic ribbon to slippers



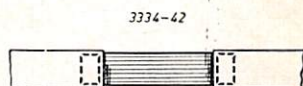
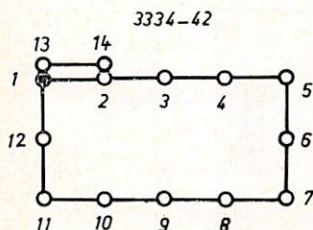
In order to extend the range of applications of this type of bar, this machine has been designed to produce a rectangular bar of a smaller width. The bar measures  $\frac{5}{32}'' \times \frac{9}{32}''$ . The machine does a total of 21 stitches, i. e. 14 plain, 6 casting, and 1 tying stitch. Needles System 34 LR.

**PFAFF 3334-41** for attaching straps to lingerie  
and for barring interlock and flatlock seams



This machine does two short zigzag seams running close to each other with 28 stitches, the first and the last stitch being tying stitches to prevent unravelling of the seam. This bar lends itself to a variety of applications, such as barring zippers, elastic ribbons in ladies' panties and men's underpants, etc. Length of bar  $\frac{15}{64}$ " -  $\frac{25}{64}$ ", width of bar  $\frac{5}{32}$ ". Needles System 34 R.

**PFAFF 3334-42** for inserting narrow elastic ribbons in sandalette straps, etc.

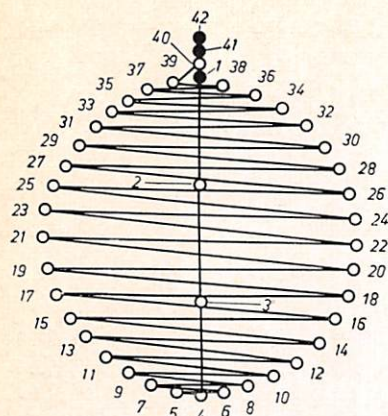


This machine produces a tiny rectangular bar, using 12 plain, 1 casting, and 1 tying stitch. The bars measures  $\frac{5}{32}$ " x  $\frac{15}{64}$ " only. This elastic is often preferred to adjustable snap fasteners because it looks nicer and affords an elastic connection. Needles System 34 LR.

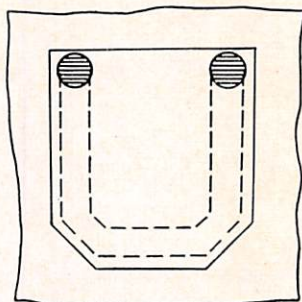


## PFAFF 3334-43 for producing circular bars

3334-43



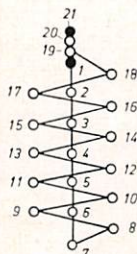
3334-43



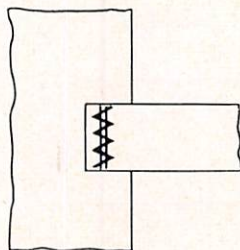
This machine produces a circular bar measuring  $\frac{9}{32}$ " to  $\frac{5}{16}$ " in diameter, using 42 stitches (2 staying, 3 tying, and 37 covering stitches). This type of bar is chiefly used to reinforce patch pockets in overalls, aprons, etc., and also as a fancy bar in lingerie (for attaching straps, etc.). Needles System 34 R.

## PFAFF 3334-50 for joining straps to lingerie

3334-50

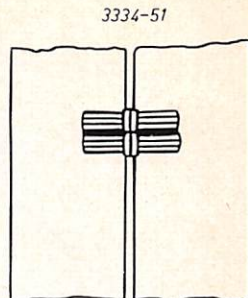
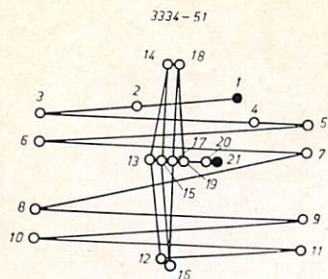


3334-50



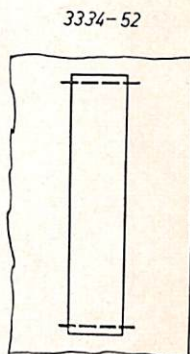
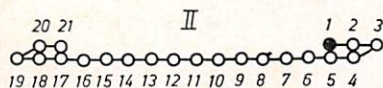
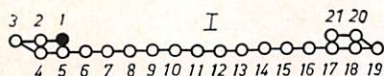
This machine produces a stitch pattern similar to that of sub-class -31 and composed of 21 stitches consisting, however, of 12 covering, 6 staying, and 3 tying stitches. The length of bar is adjustable from  $\frac{13}{64}$ " to  $\frac{13}{32}$ " and the width from  $\frac{1}{16}$ " to  $\frac{5}{64}$ ". Needles System 34 R.

## PFAFF 3334-51 for joining elastics with bars (orthopaedical elastic bands)



Two parallel elastic bands are joined on this machine with bars of 21 stitches at certain intervals. Each bar consists of 6 staying, 6 full-width, 7 covering, and 2 tying stitches. The straps made of two parallel bands joined by bars on this machine stand out because of their special elasticity. Length of bar  $3\frac{5}{128}$ " -  $3\frac{3}{8}$ ". Needles System 34 R.

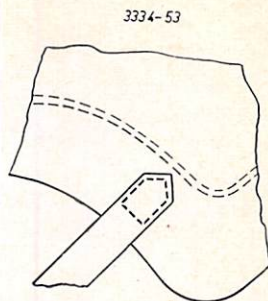
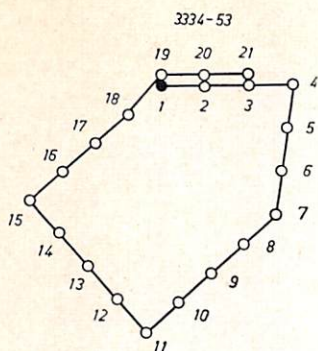
## PFAFF 3334-52 for attaching labels



Labels are fastened to the material by two single bars of 21 stitches each (17 plain, 4 casting stitches) stitched at each end of the label. The bar length is adjustable from  $\frac{9}{16}$ " to 1". The machine automatically and alternately shifts from left-right to right-left sewing. Needles System 34 R.



# **PFAFF 3334-53** for attaching straps to children's shoes



This machine produces a pentagonal bar, its mitre having an angle of  $45^{\circ}$ . This alleviates the insertion of small size children's shoes beneath the clamp feet. The bar is made up of 18 plain, 2 casting, and 1 tying stitch and is  $\frac{1}{4}$ " wide and  $\frac{3}{8}$ " high. Needles System 34 LR.

## Main Features of the PFAFF 3334.

The Bar Tacker PFAFF 3334 is equipped with **link take-up** and **central bobbin**. Its large bobbin holds 66 yards of No. 40/3-cord cotton thread.

To **start the machine** depress the right pedal. Then the machine stitches and stops automatically.

The **rigid needle bar** of the PFAFF 3334 moves in vertical direction only. (No swinging motion.)

The **different stitch patterns** are obtained by **moving the material** under the needle appropriately.

The **material is held and guided** between clamp and feed plate.

The feed clamp device has **interchangeable presser feet** which, in case of conversion into another Sub-Class saves replacing the entire clamp.

The **pressure** can be adjusted for each foot separately.

The **principal motions** for producing the bartacks are automatically controlled by **two cams** arranged on a joint shaft at the left and at the right of the arm.

The **right cam** has **two control slots**.

The slot in the **face** of the cam controls the **lateral** movement of the work under the needle.

The slot in the **rear surface** of the cam controls the **longitudinal** movement of the work.

Another function of the right cam is to **stop the machine** at the end of the sewing operation with the needle bar in its highest position.

The **left cam** controls the **knives** for severing the upper and lower threads. It causes both threads to be pulled up to the **length required for the initial stitches of the next operation**, thereby drawing both threads tight. Simultaneously, both knives are shifted from inactive to **operating position**, and the **lifting lever** is locked by the left cam so that the feed clamp cannot be lifted during the sewing.

After the machine has stopped, the **left pedal** is depressed to lift the feed clamp and to sever upper and lower threads.

A **double buffer spring** absorbs the shock caused by the abrupt stopping of the main shaft, and an **additional brake** reduces the momentum of the machine just before it stops thereby preventing breakage of parts or other functional disturbances.



