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HOW TO KNIT SOCKS.

With full and simple Directions by which persons may teach themselves.

(New Edition.)



By MISS E. RYDER.

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CHILD'S SOCK, No. 1.

PLAIN KNITTING.

ONE ounce and a quarter Merino Wool or Andalusian. Cast 60 stitches on 1 needle. Knit them off on 3 needles, knitting 2 more on the 1st than on either of the others, which when you join the sock by knitting 2 off 1st needle on the last, will leave 20 stitches on each needle.

Knit 2, seam 2, for 30 rounds, this completes ribbed top to sock. Now commence the plain knitting on the back or heel needle, (the back needle is the needle where the end of wool is at the join in commencement of sock); 1st round knit 10, raise 1 stitch in back needle only, which is done by taking a stitch from the back of 11th stitch, and knitting through it; (this stitch is your centre stitch through the whole sock), until you commence round of heel, and you must be particular in *every* round; this stitch must be seamed, *not* knitted. Knit plain to end of round.

On back needle you have now 21 stitches.

Knit rather *less* than an inch plain, always seam your centre stitch on back needle. You now commence to narrow.

1st round. In the back needle *only*; knit 7, knit 2 together, knit 1, seam your centre stitch, knit 1, slip 1, knit 1, pull the slipped stitch over the knitted one; knit plain to end of round. Knit 5 rounds plain.

7th round. Reduce two stitches same as in 1st round. *Recollect always* to knit 1 stitch plain between the narrowing and centre seam stitch on each side. Knit 5 rounds plain.

13th round. Narrow as at 7th round. Knit 5 rounds plain.

19th round. Narrow as at 13th round. Knit rather less than one inch plain. This narrows your sock to the heel, you should have 53 stitches in all on the needles, 20 on each side and 13 on heel needle.

Prepare for heel by knitting to the end of your back needle and from 1st side (or next needle), knit off on to back needle 7 stitches. Knit the other 13 stitches from 1st side needle on another needle. Knit 2nd side needle to within 7 stitches of the end. These 7 you must pass to the heel or back needle without knitting. You ought to have 27 stitches on heel, and 13 on each side needle. The two front needles are not used again until the heel is completed.

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The heel is made by knitting and seaming alternate rows until it is long enough, which it will be after 22 rows. Observe, slip the 1st stitch of every row instead of knitting or seaming it. In 22nd row, when you get to centre stitch, seam 2 together, this brings your centre stitch to an end, and you will have 26 stitches on heel needle.

23rd row.—Knit 16 stitches, knit 2 together, * turn your needle, seam 7 stitches, seam 2 together, again turn your needle, knit 7, knit 2 together. Repeat from * until you have only 8 stitches left on your needle.

With this needle on which you have 8 stitches (which Remember is now 1st side needle) take up, and as you take up knit 13 stitches from side of heel. Knit 3 stitches off front needle on the same, knit all the stitches from the 2 front needles, excepting the 3 last on another needle. These 3 stitches must be knitted on a third needle with which take up, and as you take up knit 13 stitches from side of heel; also knit 4 stitches from 1st side needle on this. You must have 20 stitches on each side needle, and 20 on front needle. Knit 2 rounds plain. * 1st side needle, knit plain until within 5 stitches of the end, when knit 2 together; knit 3. Front needle knit plain. 2nd side needle, knit 3, slip 1, knit 1, pull the slipped stitch over the knitted one, knit plain to end of needle. Knit 2 rounds plain. Repeat from * until your foot is sufficiently reduced, which it will be when you have 52 stitches in all on your needles. Knit about 3½ inches plain including the heel, but this entirely depends on length of foot required.

To REDUCE FOR TOE.—Put as many stitches on your front needle as you have on the other two together. Put 26 on front and 13 on each side needle, taking the same number from each side needle to the front needle.

Commence the toe at front needle by knit 1, slip 1, knit 1, pull the slipped stitch over the knitted one. Knit plain to within 3 of the end, when knit 2 together. Knit 1.

1st Back needle knit 1, slip 1, knit 1, pull the slipped stitch over the knitted one; knit plain to end of needle.

2nd Back needle, knit plain to within 3 of the end; knit 2 together, knit 1.

This reducing is repeated every third round, the intervening rounds being knitted plain until you have about 24 stitches in all left on your needles. Knit the front and back needles together, and as you knit cast them off.

CHILD'S RIBBED SOCK, No. 2.

MATERIALS.—One-and-a-half ounce of Merino or Andalusian Wool. Needles, No. 15, or if a loose knitter No. 16. Needles are numbered by "Chambers's registered bell gauge." The term, "rib" used here means knit 2, seam 1 alternately.

Cast 72 stitches on one needle, knit them off on three needles, knitting two more on the first than on the last, which when you join the sock by knitting two off last needle on the first, will give you 24 stitches on each needle. (This first needle you must consider your heel or back needle throughout the sock.) Knit 2, seam 1, every round until you have knitted *about* one-and-a-half inches in length. You now commence to narrow down the leg, the narrowing is always on the back needle.

1st round.—Knit 2, seam 1, knit 2, seam 1, knit 2, seam 1, knit 2, knit 2 together, knit 1, seam 1, Knit 2, seam 1 to end of round.

In next round * knit 2, seam 1, knit 2, seam 1, knit 2, seam 1, knit 4, seam 1. Knit 2 seam 1, to end of round. Repeat from * four times.

On back needle where you have 23 stitches, knit 2, seam 1, knit 2, seam 1, knit 2, seam 1, knit 1, knit 2 together, knit 1, seam 1. Knit 2, seam 1, to end of round

In next round * knit 2, seam 1, knit 2, seam 1, knit 2, seam 1, knit 3 seam 1. Knit 2 seam 1 to end of round. Repeat from * four times.

On needle you have 22 stitches knit 2 seam 1 knit 2 seam 1 knit 2 seam 1, knit 1 knit 2 together seam 1. Knit 2 seam 1 to end of round

In next round * knit 2 seam 1 to end of round. Repeat from * four times. On needle you have 21 stitches. knit 2 seam 1 knit 2, seam 1, knit 2 seam 1 knit 2 together, seam 1. Knit 2, seam 1 to end of round.

In next round * knit 2 seam 1, knit 2 seam 1, knit 2 seam 1, knit 1 seam 1. Knit 2 seam 1 to end of round. Repeat from * four times.

On needle you have 20 stitches. knit 2 seam 1, knit 2, seam 1, knit 2, seam 2 together, seam 1. Knit 2, seam 1 to end of round.

In next round * knit 2 seam 1, knit 2 seam 1, knit 2, seam 2. Knit 2, seam 1 to end of round. Repeat from * four times.

On needle you have 19 stitches, knit 2 seam 1, knit 2, seam 1, knit 2, seam 2 together. Knit 2 seam 1 to end of round.

In next round * knit 2, seam 1, to end of round. Repeat from * four times. On needle you have 18 stitches, knit 2, seam 1, knit 2, seam 1, knit 2, knit 2 together, knit 1, seam 1. Knit 2, seam 1, to end of round.

In next round * knit 2, seam 1, knit 2, seam 1, knit 4, seam 1. Knit 2, seam 1 to end of round. Repeat from * four times.

On needle you have 17 stitches, knit 2, seam 1, knit 2, seam 1, knit 1, knit 2 together, knit 1, seam 1. Knit 2, seam 1, to end of round.

In next round * knit 2, seam 1, knit 2, seam 1, knit 3, seam 1. Knit 2, seam 1, to end of round. Repeat from * four times.

On needle you have 16 stitches, knit 2, seam 1, knit 2, seam 1, knit 1, knit 2 together, seam 1. Knit 2, seam 1 to end of round.

In next round * knit 2, seam 1, to end of round; this completes the reducing of leg, and you have 15 stitches on back needle, and 24 on each of the other two.

You must now rib every round until you have knitted *rather* more than an inch from the last narrowing. Prepare for heel by ribbing to the end of your back needle and from first side (or next needle), rib on to back needle 9 stitches, rib the remaining 15 stitches from 1st side needle to another needle, rib 2nd side needle to within 9 stitches of the end; these 9 you must pass to the heel or back needle without knitting. You ought to have 3^d stitches on heel and 15 on each side needle. (The two front needles are not used again until the heel is completed.) The heel is made by ribbing alternate rows until it is long enough which it will be after 26 rows. The first stitch of every row must be slipped on the needle. The front row is slip 1, knit 1, seam 1. Knit 2, seam 1, to end of row.

The back row is slip 1, seam 2. Knit 1, seam 2, to end of row.

The 23rd row which commences round of heel is plain knitting, you no longer rib under the foot. Knit 21 stitches, knit 2 together * turn your needle seam 11 stitches, seam 2 together, turn your needle, knit 11, knit 2 together, repeat from * until you have only 12 stitches left on your heel needle; this finishes heel. With this needle on which you have the 12 stitches take up and as you take up knit 15 stitches from side of heel, rib three stitches off front needle on the same. Rib all the stitches from the two front needles excepting the three last on another needle, (Observe, the front needle is ribbed throughout until you commence narrowing for toe.) These three stitches must be ribbed on a third needle with which take up, and as you take up knit 15 stitches from side of heel; also knit 6 stitches from other side needle to this. You will now have 24 stitches on each side needle, and 24 on front needle.

In next needle which is your first side needle, knit plain, excepting the last stitch which is seamed. Rib front needle. 2nd side needle, knit 2, seam 1, knit plain to end of needle. Repeat this round once.

1st side needle * knit plain until within five stitches of the end, then knit 2 together, knit 2, seam 1. Front needle rib.

2nd side needle.—Knit 2, seam 1, slip 1, knit 1, pull the slipped stitch over the knitted one; knit plain to end of needle.

1st side needle.—Knit plain excepting the last stitch which is seamed. Front needle rib. 2nd side needle.—Knit 2, seam 1, knit plain to end of needle; these last three needles to be repeated once, then repeat from * until the foot is sufficiently reduced, which it will be when you have 62 stitches in all left on your needles, viz: 24 on front needle and 19 on each side needle. Knit the foot about 4 inches long including the heel; but this entirely depends on the length of foot required. It is all plain knitting on the SIDE NEEDLES excepting the last stitch on first side needle and the third stitch on 2nd side needle: these stitches are always seamed. The front needle is always ribbed.

To REDUCE FOR TOE.—All the needles are now knitted plain. Take 4 stitches off one side needle and 3 off the other, place them on front needle which will give you 31 on front needle, 16 on one side and 15 on the other side needle. Commence the toe at front needle by knit 1, slip 1, knit 1, pull the slipped stitch over the knitted one, knit plain to within 3 of the end, when knit 2 together, knit 1.

1st back needle.—Knit 1, slip 1, knit 1, pull the slipped stitch over the knitted one; knit plain to end of needle.

2nd back needle.—Knit plain to within 3 of the end, knit 2 together, knit 1.

This reducing is repeated every third round, the intervening rounds being knitted plain until you have about 24 stitches in all left on your needles; then knit the front and back needles together, and as you knit cast them off.

GENTLEMAN'S KNITTED RIBBED SOCK IN SCOTCH FINGERING.

MATERIALS.—Four and a half ounces of 4 ply Scotch fingering, needles No. 14; or if a loose knitter, No. 15. This Sock is reduced in the leg. The term "rib" used here means knit 3, seam 1, alternately.

Cast 96 stitches on one needle, knit them off on three needles, knitting two more on the first than on the last, which, when you join the sock by knitting two off last needle on the first, will give 32 stitches on each needle. (This first needle you must consider your heel or back needle throughout the sock.) Knit 3, seam 1, every round until you have knitted about five inches in length. You now commence to narrow down the leg, the narrowing is always on the *back* needle. 1st round. Knit 3, seam 1, knit 3, seam 1, knit 3 seam 1, knit 3, knit 2 together, knit 2, seam 1. Knit 3, seam 1, to end of round.

In next round * knit 3, seam 1, knit 3, seam 1, knit 3, seam 1, knit 6, seam 1. Knit 3, seam 1, to end of round. Repeat from * four times.

On back needle, where you have 31 stitches, knit 3, seam 1, knit 3, seam 1, knit 3, seam 1, knit 2, knit 2 together, knit 2, seam 1. Knit 3, seam 1, to end of round.

In next round * knit 3, seam 1, knit 3, seam 1, knit 3, seam 1, knit 5, seam 1. Knit 3, seam 1, to end of round. Repeat from * four times.

On needle you have 30 stitches, knit 3, seam 1, knit 3, seam 1, knit 3, seam 1, knit 2, knit 2 together, knit 1, seam 1. Knit 3, seam 1, to end of round.

In next round * knit 3, seam 1, knit 3, seam 1, knit 3, seam 1, knit 4, seam 1. Knit 3, seam 1, to end of round. Repeat from * four times.

On needle you have 29 stitches, knit 3, seam 1, knit 3, seam 1, knit 3, seam 1, knit 1, knit 2 together, knit 1, seam 1. Knit 3, seam 1, to end of round.

In next round * knit 3, seam 1, to end of round. Repeat from * four times.

On needle you have 28 stitches, knit 3, seam 1, knit 3, seam 1, knit 3, seam 1, knit 1, knit 2 together, seam 1. Knit 3, seam 1, to end of round.

In next round * knit 3, seam 1, knit 3, seam 1, knit 3, seam 1, knit 2 seam 1. Knit 3, seam 1, to end of round. Repeat from * four times.

On needle you have 27 stitches, knit 3, seam 1, knit 3, seam 1, knit 3, seam 1, knit 2 together, seam 1. Knit 3, seam 1, to end of round.

In next round * knit 3, seam 1, knit 3, seam 1, knit 3, seam 1, knit 1, seam 1. Knit 3, seam 1, to end of round. Repeat from * four times.

On needle you have 26 stitches, knit 3, seam 1, knit 3, seam 1, knit 3, seam 1, seam 2 together. Knit 3, seam 1, to end of round.

In next round * knit 3, seam 1, knit 3, seam 1, knit 3, seam 2. Knit 3, seam 1, to end of round. Repeat from * four times.

On needle you have 25 stitches, knit 3, seam 1, knit 3, seam 1, knit 3, seam 2 together. Knit 3, seam 1, to end of round.

In next round * knit 3, seam 1, to end of round; this completes the reducing of leg, and you have 24 stitches on back needle and 32 on each of the other two. You must now rib every round until you have knitted about two inches and a half from the last narrowing. Prepare for heel by ribbing to the end of your back needle, and from first side (or next needle) rib on to back needle 12 stitches, rib the remaining 20 stitches from first side needle to another needle, rib second

side needle to within 12 stitches of the end; these 12 you must pass to the heel or back needle without knitting. You ought to have 48 stitches on heel, and 20 on each side needle. (The two front needles are not used again until the heel is completed). The heel is made by ribbing alternate rows until it is long enough which it will be after 36 rows. The first stitch of every row must be slipped on the needle. The front row is knit 3, seam 1; the back row is knit 1, seam 3.

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The 37th row, which commences round of heel, is plain knitting, you no longer rib under the foot. Knit 31 stitches, knit 2 together, * turn your needle, seam 15 stitches, seam two together, turn your needle, knit 15, knit two together, repeat from * until you have only 16 stitches left on your heel needle; this finishes heel. With this needle on which you have the 3 stitches take up, and as you take up knit 20 stitches from side of your heel, rib four stitches off from front needle on the same, rib all the stitches from the two front needles excepting the four last on another needle. (Observe the front needle is ribbed throughout until you commence narrowing for toe.) These 4 stitches must be ribbed on a third needle, with which take up, and as you take up knit 20 stitches from side of heel; also knit 8 stitches from other side needle to this. You will now have 32 stitches on each side needle, and 32 on front needle.

In next needle, which is your first side needle, kni. plain excepting the last stitch, which is seamed. Rib front needle. 2nd side needle.—Knit 3, seam 1. knit plain to end of needle. Repeat this round once.

1st side needle.—* Knit plain until within six stitches of the end, then knit two together, knit 3, seam 1.—Front needle. Rib.

2nd side needle.—Knit 3, seam 1, slip 1, knit 1, pull the slipped stitch over the knitted one; knit plain to end of needle.

1st side needle.—Knit plain, excepting the last stitch, which is seamed.—Front needle. Rib.

2nd side needle.—Knit 3, seam 1, knit plain to end of needle; these last three needles to be repeated once then repeat from * until the foot is sufficiently reduced, which will be when you have 8½ stitches in all left on your needles. Knit the foot about 8½ in. long, including the heel; but this entirely depends on the length of foot required. It is all plain knitting on the side needles, excepting the last stitch on first side needle, and the fourth stitch on 2nd side needle: these stitches are always seamed, the front needle is always ribbed.

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To REDUCE FOR TOE.—All the needles are now knitted plain. Take 6 stitches off one side needle and 5 off the other, place them on front needle, which leaves 21 on one side needle and 22 on the other side needle. You have 43 stitches on front needle.

Commence the toe at front needle by knit 1, slip 1, knit 1, pull the slipped stitch over the knitted one, knit plain to within 3 of the end, when knit 2 together, knit 1.

1st back needle.—Knit 1, slip 1, knit 1, pull the slipped stitch over the knitted one; knit plain to end of needle.

2nd back needle.—Knit plain to within 3 of the end, knit 2 together, knit 1.

This reducing is repeated every third round, the intervening rounds being knitted plain until you have about 36 stitches in all left on your needles; then knit the front and back needles together, and as you knit cast them off.

This sock knitted in Merino wool, makes a nice sized fine sock for a boy; make the foot shorter,

SOCK, Size 3.

PLAIN KNITTING.

Cast on 84 stitches (28 on each needle.)

Knit 2, seam 2, for 38 rounds this completes your ribbed top to sock. Knit one plain round, and in back or heel needle after the 14th stitch raise 1 by taking it from back of 15th stitch, and remember this stitch will be your centre one throughout the whole sock and must always be seamed until you come to round of heel. You will now have 29 stitches on heel needle. Knit *about* two inches plain. Reduce 6 times same as in Sock No. 1, knitting 5 plain rounds between each reducing.

Knit *about* two inches plain. You have 73 stitches in all on your needles. Put as many stitches on your heel or back needle as you have on both the other needles together (taking same number from both side needles), thus put 37 on heel and 18 on each side needle.

Knit and seam alternate rows for heel, 36 rows in all. In 35th row when you get to centre stitch seam two together, this brings your centre stitch to an end, and you have 36 stitches on heel. *Remember to slip off first stitch of every row* Round your heel by knitting 23 stitches, knit 2 together: * turn your needle, seam 11, seam 2 together, turn your needle, knit 11, knit 2 together, turn your needle, knit 11, knit 2 together; repeat from * until there are only 12 stitches on heel needle. Take up as in other socks from sides of heel 19 stitches, and 5 stitches from each end of front needle, which gives 30 stitches on each side needle, and 26 on front needle. Knit 2 rounds plain.

Reduce foot same as in Sock No. 1. plain knitting: keep reducing until you have only 72 stitches in all on your needles: knit *about* five inches plain including the heel, but this depends on length of foot required.

Before commencing to reduce for toe put 56 on front needle, and 18 on each side needle, narrow off toe as in other socks.

This sock knitted in Merino wool will take about one ounce and a half.

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GENERAL RULES FOR KNITTING SOCKS.

The needles used in these recipes are numbered by Chambers' registered bell gauge.

For little children's socks the best wools to be used are 4 ply Merino or Andalusian. If a thicker sock is required 3 ply fingering answers very well. A tight knitter must use No. 15 needles and a loose knitter No. 16 for these wools.

For Boys and Gentlemen's socks unless required very fine, the best wool is 4 ply Scotch Fingering. For this wool a tight knitter must use No. 14, and a loose knitter No. 15 needles. If coarser wool is used the needles must be used thicker in proportion.

In knitting socks in stripes commence each fresh colour at centre stitch in back needle. In commencing a fresh colour for the 1st stitch, knit the two colours together, holding the fresh colour rather loosely to prevent its dragging; by this means you never see the join, and the colours will work right through your sock; you need not break it off, but keep the wool inside your work. *Be particular to take up stitches at side of heel with same colour as you commenced the heel, in order to bring the stripes right across the foot.*

Any of these patterns if knitted in coarser wool than the wool given in recipe, will knit a larger size, *consequently* will require to be knitted a longer length *before* you commence narrowing the leg, also *after* narrowing before heel is commenced, and the foot must also be longer.

The term "Round" means knitting round the Sock or Stocking.

"Row" means the length of one needle.

"Seam" is the same as "Pearl," and means to knit with wool in front of needle.

"Slip" means to take a stitch off the needle without either knitting or seaming it.

In the Recipes given, there is a first sized sock for a child in plain knitting, and in ribbed knitting. Also full sized man's ribbed sock. The third recipe is for a sock in plain knitting, which if knitted in fingering is a good sized boy's sock—only the numbers of this sock are given. If men's socks are required in finer wool than fingering, about 108 stitches makes a good size in plain knitting.

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