

- 22 -

ABSTRACTHIGH SPEED SINKER FOR CIRCULAR KNITTING MACHINES

5 A sinker (10) has a sinker body (11) and a butt (12) for
engaging a sinker cam. Upper and lower nibs (13,14)
protrude from the sinker body (11) and a first throat
10 (15) is defined between these upper and lower nibs for
receiving a yarn. First, second and third knitting
platforms (20,21,22) are defined by the sinker body (11)
beneath the lower nib (14). A second throat (25) is
defined by the lower nib (14) and the second and third
knitting platforms (21,22) for controlling the yarn loop.
15 The second platform (21) is closer to the first throat
(15) than the first platform (20), and the third platform
(22) is closer to the first throat (15) than the second
platform. This progressive displacement of the second
and third knitting platforms (21,22) provides for quick
20 rolling over of a needle latch due to the resultant
elevated position of the yarn loop on the needle shaft at
desired points in the knitting operation. This has the
advantages of reducing dropped stitches, enabling the use
of a shorter needle latch length, whilst maintaining a
desired stitch length at the tie-in, and facilitating
25 higher machine operating speeds. The sinker butt (12)
may have spaced apart lateral cam engaging portions (40)
that are connected by a bridge (41) so as to define an
opening (42) of substantially triangular shape having a
vertex (43) pointed towards the sinker body, whereby the
30 butt may withstand damage without causing further damage
to the knitting machine due to breakage of a sinker butt.

This Sheet Has Been Replaced

