

SPECIFICATION

Appliance for assisting penile erection

- 5 This invention relates to an appliance for assisting penile erection.

According to the present invention, there is provided an appliance for assisting penile erection, which comprises a support structure for the penis

- 10 and a plurality of straps or loops connected to said support structure and shaped to enable the user to hold the appliance in position on his body, wherein (a) the appliance is integrally formed of a flexible elastomeric material, and (b) the support structure, 15 or the support structure and the adjacent portions of said straps or loops, are shaped so that the foreskin of the penis is pulled towards the pelvis when the appliance is worn.

- The support structure can be a ring of material 20 disposed at the conjunction of the straps or loops, or it can have the form of a "Y"-piece or "V"-piece of material disposed at the conjunction of the straps or loops. In different embodiments of the present invention, the straps or loops are adapted to be worn 25 over the shoulders; around the neck, waist or hips; about the waist and thighs; and around the scrotum.

- The material from which the appliance is formed is a flexible elastomeric material, advantageously a natural rubber. The appliance is formed integrally so 30 as to provide the maximum comfort to the wearer, and the minimum inconvenience to his partner during sexual intercourse. The appliance can be coloured so as to match the skin tone of the wearer. The thickness of the flexible elastomeric material is 35 preferably from 0.2 cm to 1.0 cm; a thickness of from 0.3 cm to 0.7 cm will generally be the most suitable. The width of the straps or loops will generally be from 5 to 25 mm. The preferred width is from 8 to 20 mm. The dimensions given above refer to the 40 appliance when the elastomeric material is in its relaxed condition as opposed to its stretched condition.

- When the appliance is used, it pulls the foreskin of the wearer towards and against his pelvic region, 45 thus assisting penile erection. Embodiments of the appliance may prevent the foreskin from slipping backwards and forwards when sexual intercourse is in progressive. Embodiments of the appliance may also be beneficial to the wearer by virtue of the fact 50 that they can expose the natural shape of the penis which may result in more satisfactory sexual intercourse.

- The appliance may create interest and restore confidence in men who are partially impotent because the action of the appliance in pulling back the 55 penile foreskin provides sufficient stiffness to enable the wearer of the appliance to partake in satisfactory sexual intercourse.

- For a better understanding of the invention, and to 60 show how the same may be carried into effect, reference will now be made, by way of example, to the accompanying drawings, which show presently preferred embodiments of the appliance, and in which:

- 65 *Figure 1* is an isometric view of a first embodiment

of the appliance;

Figure 2a, 2b and *2c* are, respectively, a front elevation, a rear elevation and a side elevation of the appliance shown in *Figure 1*;

- 70 *Figure 3* is an isometric view of a second embodiment of the appliance of the invention;

Figures 4a, 4b, and *4c* are respectively, a front elevation, a rear elevation and a side elevation of the appliance shown in *Figure 3*;

- 75 *Figure 5* is an isometric view of a third embodiment of the invention;

Figure 6a is a front elevation, and

Figure 6b is a side elevation, of the appliance shown in *Figure 5*;

- 80 *Figure 7* is an isometric view of a fourth embodiment of the invention;

Figures 8a, 8b and *8c* are, respectively, a front elevation, a rear elevation and a side elevation of the appliance shown in *Figure 7*;

- 85 *Figure 9* is an isometric view of a fifth embodiment of the invention; and

Figures 10a, 10b and *10c* are, respectively, an end elevation, a front elevation and a side elevation of the appliance shown in *Figure 9*.

- 90 Referring now to *Figures 1* and *2*, the appliance comprises a support region 1 located at the conjunction of straps 2, 3 and 4. A further strap 5 extends between the ends of straps 2, 3 and 4 which are remote from support structure 1. The strap 5 is worn 95 around the waist, and the penis is supported by the "V"-shaped area between straps 3 and 4. Strap 2 extends between the testicles and extends rearwardly towards the waist strap 5.

- Referring now to *Figures 3* and *4*, this embodiment 100 has a support structure 6 in the form of a ring of material disposed around an aperture 7. Support structure 6 is located at the conjunction of straps 8 and 9. Strap 8 extends between the testicles and under the crutch of the wearer, while strap 9 is 105 located around the waist. The aperture 7 is shaped so that it can hold back the penile foreskin which is pulled towards the pelvis of the wearer.

- Referring now to *Figures 5* and *6*, there is shown an embodiment of the invention in which the penile 110 support structure 10 is positioned at the conjunction of straps 11, 12 and 13. In use, the penis rests in the "V"-shaped region between straps 12 and 13. These two straps are worn over the shoulders, while strap 11 passes between the testicles and under the crutch 115 of the wearer.

- Referring now to *Figures 7* and *8*, there is shown an embodiment generally similar to that shown in *Figures 3* and *4*, but differing therefrom in the mutual proportionality of its parts. Penile support structure 120 14 is in the form of a ring of material located about an aperture 15. The support structure is at the conjunction of straps 16 and 17. Strap 17 is located about the waist of the wearer, while strap 16 passes between the testicles and under the crutch.

- Referring lastly to *Figures 9* and *10*, an embodiment is shown in which the penile support structure 125 18 is a ring of material enclosing an aperture 21. The penile support structure is located at the conjunction of loops 19 and 20. Loop 20 is worn around the waist 130 of the wearer, while loop 19 is located about the

testicles. In use, support structure 18 holds back the foreskin of the penis, pulling it towards the pelvis.

CLAIMS

1. An appliance for assisting penile erection, which comprises a support structure for the penis and a plurality of straps or loops connected to said support structure and shaped to enable the user to hold the appliance in position on his body, wherein (a) the appliance is integrally formed of a flexible elastomeric material, and (b) the support structure, or the support structure and the adjacent portions of said straps or loops, are shaped so that the foreskin of the penis is pulled towards the pelvis when the appliance is worn.
2. An appliance as claimed in claim 1, wherein the support structure is a ring of material disposed at the conjunction of the straps or loops.
3. An appliance as claimed in claim 1, wherein the support structure is in the form of a "Y"-piece or "V"-piece of material disposed at the conjunction of the straps or loops.
4. An appliance as claimed in claim 1, 2 or 3, wherein the flexible elastomeric material is from 0.2 to 1.0 cm in thickness.
5. An appliance as claimed in claim 1, 2, 3 or 4, wherein the width of each of the straps or loops is from 0.5 to 2.5 cm.
6. An appliance substantially as hereinbefore described with reference to, and as illustrated in, the accompanying drawings.

(18)



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CLAIMS

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1. An appliance for assisting penile erection, which comprises a support structure for the penis and a plurality of straps or loops connected to said support structure and shaped to enable the user to

10 hold the appliance in position on his body, wherein

(a) the appliance is integrally formed of a flexible elastomeric material, and (b) the support structure, or the support structure and the adjacent portions of said straps or loops, are shaped so that the foreskin

15 of the penis is pulled towards the pelvis when the appliance is worn.

2. An appliance as claimed in claim 1, wherein the support structure is a ring of material disposed at the conjunction of the straps or loops.

20 3. An appliance as claimed in claim 1, wherein the support structure is in the form of a "Y"-piece or "V"-piece of material disposed at the conjunction of the straps or loops.

4. An appliance as claimed in claim 1, 2 or 3, 25 wherein the flexible elastomeric material is from 0.2 to 1.0 cm in thickness.

5. An appliance as claimed in claim 1, 2, 3 or 4, wherein the width of each of the straps or loops is from 0.5 to 2.5 cm.

30 6. An appliance substantially as hereinbefore described with reference to, and as illustrated in, the accompanying drawings.