CLAIMS:

1. Apparatus to sort arthropod larvae and/or pupae comprising a first and second bar and two parallel bars, each of the parallel bars having a first pivotal attachment to the first bar and a second pivotal attachment to the second bar, such that rotating the parallel bars relative to the first bar changes the distance between adjacent parallel bars.

2. Apparatus as claimed in claim 1, wherein the apparatus further comprises a closed frame comprising two pairs of opposing sides, one pair of opposing sides being formed by the parallel bars and the second pair of opposing sides being formed by the first bar and the second bar, each one of the bars being pivotally attached to each of the bars forming the other pair of opposing sides.

3. Apparatus as claimed in claim 1 or claim 2, further comprising a third parallel bar, the third parallel bar having a first pivotal attachment to the first bar and a second pivotal attachment to the second bar.

4. Apparatus as claimed in claim 1 or claim 2, further comprising a third parallel bar and third and fourth bars, the third and fourth bars having a pivotal attachment to both of the third parallel bar and one of the two parallel bars.

5. Apparatus as claimed in claim 1, wherein the first and second bars each comprise at least two hingeable portions,

the first hingeable portion having a pivotal attachment to the one of the parallel bars and a pivotal attachment to another hingeable portion, and

the second hingeable portion having a pivotal attachment to the other one of the parallel bars and a pivotal attachment to another hingeable portion.

6. Apparatus as claimed in any preceding claim, further comprising one or more bars in between and parallel to the first and second bars.

7. Apparatus as claimed in any one of the preceding claims, further comprising an element configured to maintain and/or adjust an angle between the first bars and the plurality of parallel bars or distance between the plurality of parallel bars.

8. Apparatus as claimed in claim 7, wherein the element comprises a threaded screw and the sorting apparatus is provided with two fasteners having threaded portions complementary to the threaded screw.

9. Apparatus as claimed in claim 8, wherein the two fasteners are mounted on the first bar and the second bar respectively.

10. Apparatus as claimed in any preceding claim, wherein the distance between adjacent parallel bars is 0-1.1 mm when the angle between a parallel bar and the first bar is ninety degrees.

11. Apparatus as claimed in any preceding claim, wherein the distance between adjacent parallel bars is 0.7-1.1 mm when the angle between a parallel bar and the first bar is ninety degrees.

12. Apparatus as claimed in any preceding claim wherein the bars are made from one or more of wire (including metal wire, nylon wire or plastic wire), metal bars, plastic bars and wood bars.

13. Apparatus as claimed in any preceding claim wherein the bars have a rectangular, circular, semi-circular, triangular or a rectangular with bevelled corners cross-section.

14. Apparatus to sort larvae from pupae comprising a chamber to receive pupae and larvae, the chamber comprising a base and a wall wherein the base comprises at least part of the apparatus as claimed in any one of claims 1 to 13.

15. Apparatus to sex pupae comprising a chamber to receive pupae, the chamber comprising a base a wall, and a top wherein the top comprises at least part of the apparatus as claimed in any one of claims 1 to 13.

16. Apparatus as claimed in claim 14 or claim 15 wherein the chamber is removeably attachable to the apparatus of claims 1 to 12.

17. A method of sorting arthropod larvae and pupae comprising the steps of:

a) inserting the apparatus as claimed in any one of claims 1 to 14 into water;

b) placing arthropod larvae and pupae to be sorted above the apparatus.

18. A method of sorting arthropod larvae and pupae according to claim 17, further comprising the step of:

c) raising and lowering the apparatus such that larvae pass through the apparatus.

19. A method of sorting pupae according to size, comprising the steps of:

a) inserting the apparatus as claimed in any one of claims 1 to 16 into water including pupae to be size-sorted such that the pupae are moved from the surface of the water; and optionally

b) raising and lowering the apparatus such that pupae of a certain size pass through the apparatus.

20. A method of sexing pupae comprising inserting the apparatus as claimed in any one of claims 1 to 16 into water including pupae to be sexed such that the pupae are moved from the surface of the water.

21. Apparatus or a method according to any preceding claim, wherein the arthropod is an insect, such as a Dipteran, and particularly mosquitoes such as Anopheles (especially *Anopheles gambiae*) and/or Aedes (especially *Aedes aegypti*) species.

CLAIMS:

1. An apparatus to sort arthropod larvae and/or pupae comprising:
a first and second bar and two parallel bars, each of the parallel bars having a first pivotal attachment to said first bar and a second pivotal attachment to said second bar, such that rotating said parallel bars relative to said first bar changes the distance between adjacent parallel bars, wherein said apparatus further comprises an element configured to maintain and/or adjust distance between said plurality of parallel bars, wherein said element comprises a threaded screw and said apparatus is provided with two fasteners having threaded portions complementary to said threaded screw, said two fasteners being mounted on said first bar and said second bar respectively.

2. The apparatus of claim 1, wherein said apparatus further comprises a closed frame comprising two pairs of opposing sides, one pair of opposing sides being formed by said parallel bars and the second pair of opposing sides being formed by said first bar and said second bar, each one of the bars of said one pair of opposing sides being pivotally attached to each of the bars forming said second pair of opposing sides.

3. The apparatus of claim 1, further comprising a third parallel bar, said third parallel bar having a first pivotal attachment to said first bar and a second pivotal attachment to said second bar.

4. The apparatus of claim 1, further comprising a third parallel bar and third and fourth bars, said third and fourth bars having a pivotal attachment to both of said third parallel bar and one of said two parallel bars.

5. The apparatus of claim 1, wherein said first and second bars each comprise at least two hingable portions,
the first hingable portion having a pivotal attachment to the one of said parallel bars and a pivotal attachment to another hingable portion, and
the second hingable portion having a pivotal attachment to the other one of said parallel bars and a pivotal attachment to another hingable portion.

6. The apparatus of claim 1, further comprising one or more bars in between and parallel to said first and second bars.

7. The apparatus of claim 1, wherein the distance between adjacent parallel bars is 0-1.1 mm when the angle between a parallel bar and said first bar is ninety degrees.

8. The apparatus of claim 1, wherein the distance between adjacent parallel bars is 0.7-1.1 mm when the angle between a parallel bar and said first bar is ninety degrees.

9. The apparatus of claim 1 wherein said bars are made from one or more of wire, metal bars, plastic bars, or wood bars.

10. The apparatus of claim 1 wherein said bars have a rectangular, circular, semi-circular, triangular or a rectangular with bevelled corners cross-section.

11. The apparatus of claim 1, further comprising a chamber to receive pupae and larvae, said chamber comprising a base and a wall.

12. The apparatus of claim 1, further comprising a chamber to receive pupae, said chamber comprising a base, a wall, and a top.

13. The apparatus of claim 11 wherein said chamber is removeably attachable to said apparatus.

14. A method of sorting arthropod larvae and pupae comprising the steps of:
a) providing said apparatus of claim 1;
b) inserting said apparatus of claim 1 into water; and
c) placing arthropod larvae and pupae to be sorted above said apparatus.

15. The method of claim 14, further comprising the step of:
d) raising and lowering said apparatus such that larvae pass through the apparatus.

16. A method of sorting pupae according to size, comprising the steps of:
a) providing said apparatus of claim 1;
b) inserting said apparatus of claim 1 into water including pupae to be size-sorted such that the pupae are moved from the surface of the water; and
c) raising and lowering said apparatus such that pupae of a certain size pass through the apparatus.

17. A method of sexing pupae comprising providing said apparatus of claim 1, inserting said apparatus of claim 1 into water including pupae to be sexed such that the pupae are moved from the surface of the water.