**What is claimed is:**

1. A cushion cut diamond having a symmetrical rounded shaped geometry with four curvilinear long sides interconnected to one another by four curvilinear corner sides of equal radius with the diamond possessing a hearts and arrows pattern characteristic of the true hearts and arrows pattern in a round cut diamond when subjected to light comprising: a substantially square shaped table facet with four cut corners, 4 main crown facets of substantially equal geometry and dimension on the four long sides of the diamond, 4 main crown facets of substantially equal geometry and dimension on the four corner sides of the diamond with the area of the 4 main crown facets on the long sides being substantially greater than the area of the 4 main crown facets on the corner sides, 8 crown star facets on the main crown sides adjacent the square shaped sides of the table facet, 16 crown half facets, 8 main pavilion facets, 16 pavilion half facets, 4 subsidiary pavilion facets, 16 subsidiary pavilion half facets and multiple girdle facets on both the long and corner sides of the diamond.

2. A cushion cut diamond as defined in claim 1 wherein the four curvilinear long sides are substantially equal in length and are arranged in pairs with each pair having parallel sides.

3. A cushion cut diamond as defined in claim 2 wherein the four main crown facets disposed on the long sides of the diamond have a quadrilateral geometry and the four main crown facets disposed on the corner sides form a pentagon shape.

4. A cushion cut diamond as defined in claim 3 wherein the girdle facets vary in thickness from 2.5%- 7.5%.

5, A cushion cut diamond as defined in claim 4 wherein there are 40 girdle facets on the four long sides of the diamond and 28 girdle facets on the four corner sides.

6. A cushion cut diamond as defined in claim 3 wherein the main pavilion facets meet at a common point.

7. A cushion cut diamond as defined in claim 6 wherein the main crown facets, pavilion facets and corner facets have the following cut angles:

main pavilion angle degree range: 40.6°- 41.1°

main crown angle degree range: 34.2°-35.1° and

corner main crown angle degree range: 33.7° -34.8°.

8. A cushion cut diamond as defined in claim 7 wherein the subsidiary pavilion facets and the pavilion halve facets have the following cut angles:

subsidiary pavilion angle degree range: 63°-67.5°

pavilion halve angle degree range: 64.5°-70.5°

9. A method for polishing a diamond for forming a cushion cut which will display a hearts and arrows pattern characteristic of the true hearts and arrows pattern in a round cut diamond when subjected to light comprising the steps of: polishing the diamond into a symmetrical rounded shaped geometry having four curvilinear long sides and four curvilinear corner sides of equal radius with the four curvilinear corner sides of equal radius interconnecting the four curvilinear long sides to form the rounded shape; forming 4 main crown facets of substantially equal geometry and dimension on the four long sides of the diamond and 4 main crown facets of an equal geometry and dimension on the four corner sides with the main crown facets on the corner sides being substantially different in geometry and size from the four main crown facets formed on the long sides; forming a substantially square shaped table facet with four cut corners adjacent to the 4 main crown facets on the corner sides; forming 8 crown star facets on the main crown sides adjacent the square shaped sides of the table facet; 16 crown halve facets surrounding the four long side and four corner sides of the diamond; 8 main pavilion facets, 16 pavilion half facets, 4 subsidiary pavilion facets, 16 subsidiary pavilion half facets and multiple girdle facets on both the long and corner sides of the diamond.

10- A method as defined in claim 9 wherein the total depth of the cushion cut is between 67.5% - 75% and wherein total depth in % = height/width x 100.

11. A method as defined in claim 10 wherein each main crown facet on one of the long sides has 10 girdle facets resulting in a total of 40 girdle facets on the long sides and each corner side has 7 girdle facets resulting in a total of 28 girdle facets on the corner sides, respectively.

**What is claimed is:**

**1**. A diamond comprising four long sides interconnected to one another by four corner sides forming a symmetrical shaped diamond possessing a hearts and arrows pattern characteristic of the true hearts and arrows pattern in a round cut diamond when subjected to light comprising: 4 main crown facets of substantially equal geometry and dimension symmetrically positioned on the four long sides of the diamond, 4 main crown facets of substantially equal geometry and dimension symmetrically positioned on the four corner sides of the diamond, a table facets, 8 crown star facets adjacent the table facet, 16 crown half facets, 8 main pavilion facets, 16 pavilion half facets, 4 subsidiary pavilion facets, 16 subsidiary pavilion half facets and multiple girdle facets on both the long and corner sides of the diamond wherein the hearts and arrows pattern generated by the diamond gemstone forms exactly 8 symmetrical aligned arrows and exactly 8 symmetrical aligned hearts when visually observed through a conventional scope in the presence of light.

**2**. A diamond as defined in claim 1 wherein the table facet has a substantially square shape with four cut corners.

**3**. A diamond as defined in claim 1 wherein the area of the 4 main crown facets on the long sides is greater than the area of the 4 main crown facets on the corner sides.

**4**. A diamond as defined in claim 1 wherein the said four subsidiary pavilion facets are symmetrically positioned on the pavilion side of the diamond with each subsidiary pavilion facet positioned adjacent two pavilion half facets.

**5**. A diamond as defined in claim 1 wherein the girdle facets vary in thickness from 2.5%-7.5%.

**6**. A diamond as defined in claim 5 wherein there are 40 girdle facets on the four long sides of the diamond and 28 girdle facets on the four corner sides.

**7**. A diamond as defined in claim 1 wherein the four long sides are substantially equal in length and are arranged in pairs with each pair having substantially parallel sides.

8. A diamond as defined in claim 7 wherein the four corner sides have an equal radius resulting in the diamond being symmetrical and having a cushion cut configuration.

9. A diamond as defined in claim 8 wherein the four crown facets disposed on the long sides of the diamond have a geometry of substantially quadrilateral shape with two pairs of substantially parallel sides.

10. A diamond as defined in claim 9 wherein the main pavilion facets meet at a common point.

11. A diamond as defined in claim 10 wherein the main crown facets, pavilion facets and corner facets have the following cut angels:

main pavilion angle degree range: 40.6°-41.1°

main crown angle degree range: 34.2°-35.1°, and

corner main crown angle degree range: 33.7°-34.8°.

12. A diamond as defined in claim 11 wherein the subsidiary pavilion facets and the pavilion halve facets have the following cut angles:

subsidiary pavilion angle degree range: 63°-67.5°

pavilion halve angle degree range: 64.5°-70.5°