CLAIMS

1. A fastening device for mounting a roller window shade comprising

a mounting plate having one side adapted to bear against a flat surface and second side opposite the first side having peg projecting therefrom, and two apertures configured to receive fastening means for securing the mounting plate disposed on either side of the peg, and wherein the peg has a screw bore extending through the peg for receiving a set screw, wherein the screw bore has an internally threaded surface;

a bracket having one end adapted to bear against a flat surface, the bracket configured to fit over the mounting plate and receive the peg, the bracket having a screw bore extending therethrough for receiving a set screw; and

optionally, a set screw having a length equal to or less than the width of the bracket;

wherein the bracket and mounting plate are configured such that when the bracket is fitted over the mounting plate, the screw bores of the mounting plate peg and bracket are aligned to receive a set screw; and

wherein the mounting plate and bracket are configured such that when the mounting plate abuts a flat surface and bracket is placed over the mounting plate, the bracket obscures the view of the mounting plate.

2. The fastening device of claim 1, wherein the bracket has a receiving portion configured to receive an idler pin of a motorized shade tube.

3. The fastening device of claim 1, wherein the bracket has a key portion configured to engage a key of a motorized shade tube.

4. The fastening device of claim 1, wherein the bracket has a tube-receiving bore extending therethrough, configured to receive one end of each of two shade tubes.

5. The fastening device of claim 4, wherein the tube-receiving bore further comprises a bearing.

6. The fastening device of claim 1, further comprising two screws configured to secure the mounting plate against a flat surface.

7. A fastening device system for mounting a roller window shade comprising:
two disk-shaped mounting brackets, each having one side configured to bear against a flat surface and one side having a projection configured to hold an end of a tube shade,
wherein each of the mounting brackets has two recessed apertures therethrough constructed and arranged to receive means to secure the mounting bracket to a flat surface;
wherein, in use, the outer circumferences of each disk-shaped mounting bracket is visible and the fastening means is obscured by the bracket.

8. The fastening device system of claim 7, wherein the projection of at least one of the mounting brackets is configured as a key to engage a tube shade clutch or tube shade motor.

9. The fastening device of claim 7, wherein the projection of at least one the mounting brackets is configured to receive a tube shade pin or a motorized tube shade idler pin.

10. The fastening device system of claim 7, 8 or 9, adapted to mount more than one window shade by further including the fastening device of claim 4 or claim 5.

11. A system for mounting at least two window shades, one of which is motorized, comprising the fastening devices of claims 2, 3 and 4.

12. A fastening device for mounting a roller window shade comprising

a mounting plate having one side adapted to bear against a flat surface and second side opposite the first side having projection therefrom, and two apertures configured to receive fastening means for securing the mounting plate to a flat surface, and wherein the projection is configured to insert into a bracket and receive a connecting means;

a bracket having one end adapted to bear against a flat surface, the bracket configured to fit over the mounting plate and receive the projection from the mounting plate, the bracket further having an aperture for receiving a connecting means;

wherein, in use, a connecting means connects the bracket to the mounting plate;

wherein the mounting plate and bracket are configured such that when the mounting plate abuts a flat surface and bracket is placed over the mounting plate, the bracket obscures the view of the mounting plate.

13. The fastening device of claim 12, further comprising connecting means for connecting the bracket to the mounting plate.

14. The fastening device of claim 12, wherein the mounting plate projection is a pin configured to receive a cam connecting means.

15. The fastening device of claim 12, wherein the mounting plate projection is configured to receive a screw connecting means.

16. The fastening device of any one of claims 12-15, wherein at least one bracket is configured to key a shade tube.

17. The fastening device of any one of claims 12-15, wherein at least one bracket is configured to receive a pin from a shade tube.

18. The fastening device of any one of claims 12-15, wherein at least one bracket is configured to receive the one end of each of two opposing tube shades.

19. A system for mounting at least two window shades, one of which is motorized, comprising the fastening devices of claims 16, 17, and 18.

20. The fastening device of any one of claims 1-6 and 11-19, wherein the bracket comprises an opening for a wiring.

21. The fastening device of claim 20, wherein the opening extends from the side of the bracket adapted to bear against the flat surface to an area of the bracket adjacent to the roller window shade

to permit the wiring to pass from the flat surface through the opening in the bracket and to the roller window shade, and wherein the bracket obscures the view of the wiring.

22. A fastening device for mounting a window shade comprising:

a mounting plate having a first side adapted to bear against a flat surface and a second side adapted to engage with a bracket; and

a bracket having one end adapted to bear against a flat surface, the bracket configured to fit over the mounting plate,

wherein the bracket comprises an opening for a wiring.

23. The fastening device of claim 22, wherein the opening extends from a side of the bracket adapted to bear against the flat surface to an area of the bracket adjacent to the window shade to permit the wiring to pass from the flat surface through the opening in the bracket and to the roller window shade, and wherein the bracket obscures the view of the wiring.

CLAIMS

1. A fastening device for mounting a roller window shade, comprising:

a mounting plate having one side adapted to bear against a flat surface and a second side opposite the first side having a peg projecting therefrom, and two apertures configured to receive a fastener for securing the mounting plate disposed on either side of the peg, wherein a screw bore extends through the peg for receiving a set screw, and wherein the screw bore has an internally threaded surface;

a bracket having one end adapted to bear against the flat surface, wherein the bracket is configured to fit over the mounting plate and receive the peg, and wherein the bracket has a screw bore extending therethrough for receiving the set screw; and

wherein the set screw has a length equal to or less than the width of the bracket;

wherein the bracket and mounting plate are configured such that when the bracket is fitted over the mounting plate, the screw bores of the mounting plate peg and bracket are aligned to receive the set screw; and

wherein the mounting plate and bracket are configured such that when the mounting plate abuts the flat surface and the bracket is placed over the mounting plate, the bracket obscures the view of the mounting plate.

2. The fastening device of claim 1, wherein the bracket has a receiving portion configured to receive an idler pin of a motorized shade tube.

3. The fastening device of claim 2, wherein the fastening device is configured to mount at least two window shades, wherein at least one window shade is motorized, wherein the bracket has a key portion configured to engage a key of the motorized shade tube, wherein the bracket has a tube-receiving bore extending therethrough, and wherein the tube-receiving bore is configured to receive one end from each of two shade tubes.

4. The fastening device of claim 1, wherein the bracket has a key portion configured to engage a key of a motorized shade tube.

5. The fastening device of claim 1, wherein the bracket has a tube-receiving bore extending therethrough, wherein the tube-receiving bore is configured to receive one end from each of two shade tubes.

6. The fastening device of claim 5, wherein the tube-receiving bore further comprises a bearing.

7. The fastening device of claim 1, further comprising two screws configured to secure the mounting plate against the flat surface.

8. The fastening device of claim 1, wherein the bracket comprises an opening for wiring, wherein the opening extends from the side of the bracket adapted to bear against the flat surface to an area of the bracket adjacent to the roller window shade, and wherein the bracket obscures the view of the wiring.

9. A fastening device system for mounting a roller window shade, comprising:

two disk-shaped mounting brackets, each having one side configured to bear against a flat surface and one side having a projection configured to hold an end of a tube shade, wherein each of the mounting brackets have two recessed apertures therethrough constructed and arranged to receive a fastener to secure the mounting bracket to the flat surface;

wherein, when holding a window tube shade, the outer circumferences of each disk-shaped mounting bracket is visible and the fastener is obscured by the window tube shade; and

wherein the projection of at least one of the mounting brackets is configured as a key to engage a tube shade clutch or a tube shade motor.

10. The fastening device system of claim 9, wherein the projection of at least one of the mounting brackets is configured to receive a tube shade pin or a motorized tube shade idler pin.

11. The fastening device system of claim 9, wherein each of the mounting brackets further comprise a tube-receiving bore extending therethrough, wherein each of the tube-receiving bores are configured to receive one end from each of two tube shades.

12. A fastening device for mounting a roller window shade, comprising:

a mounting plate having one side adapted to bear against a flat surface and a second side opposite the first side having a projection therefrom, and two apertures configured to receive a fastener for securing the mounting plate to the flat surface, wherein the projection is configured to insert into a bracket and receive a connector;

a bracket having one end adapted to bear against the flat surface, wherein the bracket is configured to fit over the mounting plate and receive the projection from the mounting plate, and wherein the bracket further includes an aperture for receiving the connector;

wherein the connector connects the bracket to the mounting plate;

wherein the mounting plate and the bracket are configured such that when the mounting plate abuts the flat surface and the bracket is placed over the mounting plate, the bracket obscures the view of the mounting plate;

wherein the bracket is configured to key a shade tube; wherein the bracket is configured to receive a pin from a shade tube; and

wherein the bracket is configured to receive one end from each of two opposing shade tubes.

13. The fastening device of claim 12, wherein the connector connecting the bracket to the mounting plate includes a set screw.

14. The fastening device of claim 12, wherein the fastening device is configured to mount at least two windows shades, and wherein at least one window shade is motorized.

15. A fastening device system for mounting a roller window shade, comprising:

two disk-shaped mounting brackets, each having one side configured to bear against a flat surface and one side having a projection configured to hold an end of a tube shade, wherein each of the mounting brackets have two recessed apertures therethrough constructed and arranged to receive a fastener to secure the mounting bracket to the flat surface;

wherein, when holding a window tube shade, the outer circumferences of each disk-shaped mounting bracket is visible and the fastener is obscured by the window tube shade; and

wherein the projection of at least one of the mounting brackets is configured to receive a tube shade pin or a motorized tube shade idler pin.