A hat, an attachment device, and a mirror are provided. The attachment device may attach the mirror to the hat. The attachment device may include a first loop shaped portion which is configured to be placed around a top portion of the hat. The attachment device may include an elongated member having a length and a width, with the length substantially greater than the width. A first end of the elongated member may be attached to the mirror and an opposing second end may be pivotally attached to the first portion. The attachment device may attach the mirror to the hat so that a reflective surface of the mirror can be seen by a person wearing the hat on a head of the person, when the attachment device is in a first state, and cannot be seen by the person when the attachment device is in a second state.
METHOD AND APPARATUS INCLUDING HAT AND MIRROR

FIELD OF THE INVENTION

This invention relates to improved methods and apparatus concerning hats.

BACKGROUND OF THE INVENTION

There are various devices known in the prior art for hats.

SUMMARY OF THE INVENTION

At least one embodiment of the present invention provides an apparatus comprising a hat, an attachment device, and a mirror. The attachment device may attach the mirror to the hat. The attachment device may include a first portion in the shape of a loop which is configured to be placed around a top portion of the hat. The attachment device may include an elongated member having a length and a width, with the length substantially greater than the width. The attachment device may include an elongated member having a length and a width, with the length substantially greater than the width. The elongated member may have a first end and a second end. The first end of the elongated member may be attached at a first end to the mirror and the opposing second end may be attached to the first portion. The elongated member may be pivotally attached at the second end to the first portion.

The attachment device may attach the mirror to the hat so that a reflective surface of the mirror can be seen by a person wearing the hat on a head of the person, when the attachment device is in a first state. The attachment device may attach the mirror to the hat so that a reflective surface of the mirror cannot be seen by a person wearing the hat on a head of the person, when the attachment device is in a second state.

In at least one embodiment, a method is provided which may include attaching a mirror to an attachment device; and attaching the attachment device to a hat. The attachment device may be configured as previously described.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 shows a perspective view of an apparatus including a hat and a device in accordance with an embodiment of the present invention;

FIG. 2A shows a perspective view of the device shown in FIG. 1 shown in a first state;

FIG. 2B shows a perspective view of the device shown in FIG. 1 shown in a second state; and

FIG. 2C shows a perspective view of the device shown in FIG. 1 shown in a third state.

DETAILED DESCRIPTION OF THE DRAWINGS

FIG. 1 shows a perspective view of an apparatus including a hat and a device in accordance with an embodiment of the present invention. The hat includes a top portion and a bottom portion or brim. The hat has a front and a back. The device has a band portion and an arm portion, both of which may be made entirely of a rigid material, such as a rigid metal. The device also includes a mirror which is attached to an end of the arm portion. The mirror may be rigidly attached to the end of the arm portion. The mirror has a reflective surface shown in FIGS. 1 and 2B and a non-reflective surface shown in FIGS. 1 and 2B. The arm portion is connected to the band portion by a pivot means which allows the arm portion to pivot with respect to the band portion. The band portion has a front and is located near the front of the hat in FIG. 1, and a back which is located near the back of the hat in FIG. 1.

FIG. 2A shows a perspective view of the device shown in a first state. In the first state of FIG. 2A, arm portion has been pivoted about pivot means so that the arm portion is parallel to a plane which is bounded by the circumference of the band portion, and the mirror lies closer to the front than the back. The arm portion is also shown in this first state in FIG. 1.

FIG. 2B shows a perspective view of the device shown in a second state. In the second state, the arm portion has been rotated ninety degrees about the pivot means. In FIG. 2B, the arm portion is at a ninety degree angle with respect to a plane which is bounded by the circumference of the band portion. The arm portion is closer to the back than the front. In operation, the arm portion can be pivoted to place the device on one of the three states of FIGS. 2A, 2B, and 2C while the device is on the hat in FIG. 1. The arm portion, the arm portion, and the mirror are oriented so that in the first state of FIG. 2A, the reflective surface can be seen by a wearer of the hat. In this way, a wearer of the hat can look in the reflective surface of the mirror and see behind them or just look at themselves in the surface of the mirror.

FIG. 2C shows a perspective view of the device shown in FIG. 1 shown in a third state. The arm portion can be pivoted to the states of FIGS. 2B and 2C to get the mirror out of the vision of the wearer of the hat, when the mirror is not needed.

The mirror may have a square reflective surface that is square, with each side being one and one half inches. The arm portion may be adjustable to fit on different hats. The arm portion may be designed to wrap around a cowboy hat. The arm portion may be seven inches long as measured from the pivot means to the end to which the mirror is attached. The arm portion may be elongated and may have a width which is substantially less than the length.

Although the invention has been described by reference to particular illustrative embodiments thereof, many changes and modifications of the invention may become apparent to those skilled in the art without departing from the spirit and scope of the invention. It is therefore intended to include within this patent all such changes and modifications as may reasonably and properly be included within the scope of the present invention's contribution to the art.

1. An apparatus comprising:
   a hat having a crown;
   an attachment device; and
   a mirror;
wherein the attachment device attaches the mirror to the hat; and
wherein the attachment device includes a first portion in the shape of a loop which is configured to be placed around the crown of the hat.

2. The apparatus of claim 1 wherein the loop is a closed loop, and the first portion is configured to be placed around the crown of the hat so that an entire three hundred and sixty degree perimeter of the crown of the hat is encircled by the closed loop of the first portion.

3. The apparatus of claim 1 wherein the attachment device includes an elongated member having a length and a width, with the length substantially greater than the width;
wherein the elongated member has a first end and a second end which is opposite the first end;
wherein the first end of the elongated member is attached to the loop of the first portion;
and wherein the second end of the elongated member is attached to the mirror.

4. The apparatus of claim 2 wherein the attachment device includes an elongated member having a length and a width, with the length substantially greater than the width;
wherein the elongated member has a first end and a second end which is opposite the first end;
wherein the first end of the elongated member is attached to the loop of the first portion;
and wherein the second end of the elongated member is attached to the mirror.

5. The apparatus of claim 3 wherein the first end of the elongated member is pivotally attached to the loop of the first portion.

6. The apparatus of claim 4 wherein the first end of the elongated member is pivotally attached to the loop of the first portion.

7. The apparatus of claim 1 wherein the attachment device attaches the mirror to the hat so that a reflective surface of the mirror can be seen by a person wearing the hat on a head of the person.

8. The apparatus of claim 5 wherein the attachment device attaches the mirror to the hat so that a reflective surface of the mirror can be seen by a person wearing the hat on a head of the person, when the attachment device is in a first state.

9. The apparatus of claim 8 wherein the attachment device attaches the mirror to the hat so that a reflective surface of the mirror cannot be seen by a person wearing the hat on a head of the person, when the attachment device is in a second state.

10. A method comprising attaching a mirror to an attachment device; and attaching the attachment device to a hat; and wherein the attachment device includes a first portion in the shape of a loop; and
wherein attaching the attachment device to the hat includes placing the loop of the first portion around a crown of the hat.

11. The method of claim 10 wherein the loop is a closed loop, and wherein attaching the attachment device to the hat includes placing the closed loop of the first portion around a crown of the hat so that an entire three hundred and sixty degree perimeter of the crown of the hat is encircled by the closed loop of the first portion.

12. The method of claim 10 wherein the attachment device includes an elongated member having a length and a width, with the length substantially greater than the width;
wherein the elongated member has a first end and a second end which is opposite the first end;
wherein the first end of the elongated member is attached to the loop of the first portion of the attachment device; and wherein attaching the mirror to the attachment device includes attaching the second end of the elongated member to the mirror.

13. The method of claim 11 wherein the attachment device includes an elongated member having a length and a width, with the length substantially greater than the width;
wherein the elongated member has a first end and a second end which is opposite the first end;
wherein the first end of the elongated member is attached to the closed loop of the first portion of the attachment device; and
wherein attaching the mirror to the attachment device includes attaching the second end of the elongated member to the mirror.

14. The method of claim 12 wherein the first end of the elongated member is pivotally attached to the loop of the first portion.

15. The method of claim 13 wherein the first end of the elongated member is pivotally attached to the loop of the first portion.

16. The method of claim 10 wherein the attachment device attaches the mirror to the hat so that a reflective surface of the mirror can be seen by a person wearing the hat on a head of the person, when the attachment device is in a first state.

17. The method of claim 14 wherein the attachment device attaches the mirror to the hat so that a reflective surface of the mirror can be seen by a person wearing the hat on a head of the person, when the attachment device is in a first state.

18. The method of claim 17 wherein the attachment device attaches the mirror to the hat so that a reflective surface of the mirror cannot be seen by a person wearing the hat on a head of the person, when the attachment device is in a second state.

19. The method of claim 14 wherein the first end of the elongated member is pivotally attached to the loop of the first portion so that the elongated member can be pivoted into a first state in which the mirror is nearer a front of a head of a person than a rear of the head of the person, which is opposite the front, when the person is wearing the hat in a first orientation, and the elongated member can be pivoted into a second state in which the mirror is nearer the rear of the head of the person than the front of the head of the person, when the person is wearing the hat in the first orientation.

20. The apparatus of claim 5 wherein the first end of the elongated member is pivotally attached to the loop of the first portion so that the elongated member can be pivoted into a first state in which the mirror is nearer a front of a head of a person than a rear of the head of the person, which is opposite the front, when the person is wearing the hat in a first orientation.
and the elongated member can be pivoted into a second state in which the mirror is nearer the rear of the head of the person than the front of the head of the person, when the person is wearing the hat in the first orientation.

21. An apparatus comprising:
an attachment device; and
a mirror attached to the attachment device; and
wherein the attachment device attaches the mirror to a hat; and
wherein the attachment device includes a first portion in the shape of a loop which is configured to be placed around a crown of the hat to attach the attachment device and the mirror to the hat.

22. The apparatus of claim 21 wherein
the attachment device includes an elongated member having a length and a width, with the length substantially greater than the width;
wherein the elongated member has a first end and a second end which is opposite the first end;
wherein the first end of the elongated member is attached to the loop of the first portion;
wherein the second end of the elongated member is attached to the mirror;
wherein the first end of the elongated member is pivotally attached to the loop of the first portion; and
wherein the first end of the elongated member is pivotally attached to the loop of the first portion so that the elongated member can be pivoted into a first state in which the mirror is nearer a front of a head of a person than a rear of the head of the person, which is opposite the front, when the person is wearing the hat in a first orientation, and the elongated member can be pivoted into a second state in which the mirror is nearer the rear of the head of the person than the front of the head of the person, when the person is wearing the hat in the first orientation.

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