The present invention provides a heat-resistant glove, having a first and second shell sections generally defined on the palm side and a back side with each of the shell sections being made of a temperature-resistant material. Each tip of the heat-resistant glove is made of a more heat resistant material. The heat-resistant glove can be made from with a five finger or three finger stall.
HEAT PROTECTIVE GLOVE

This application claims the benefit of provisional application 61/958,872 and Ser. No. 14/151,0017

BACKGROUND OF THE INVENTION

The present invention relates to protective hand coverings such as gloves, mitts, and the like and, more particularly, a heat resistant glove.

Cooks and kitchen staff who work in kitchens around stove tops and ovens are necessarily exposed to handling hot objects or have direct exposure to fire or a high degree of heat which can quickly cause severe burns. Cuts, lacerations, and punctures result from contact with broken glass, broken plates, sharp knives, and other people are encountered in or near all fires or burns. Burns, whether from hot objects, open flames, or ovens can occur in any kitchen in a restaurant atmosphere. All of these hazards are often obscured by poor lighting or smoke, and, therefore, become even more dangerous with a need for hand protection in a restaurant kitchen atmosphere. Accordingly, suitable protective garments, including gloves, are absolutely necessary to protect the cook/kitchen staff from severe injury in the performance of their duties. Such gloves must be fire and heat-resistant, resistant to cuts and punctures, and not adversely affect the comfort and dexterity of the user.

SUMMARY OF THE INVENTION

One objective of the present invention is to provide a heat-resistant that helps protect the hands from cuts and burns. Another objective is to provide a glove that is flexible enough to grip a variety of sizes of hands of both men and women. Another objective of the present invention is to be flame resistant and flexible enough to be used in the restaurant industry.

The above and other objects, features and advantages of the present invention should become even more readily apparent to those skilled in the art upon a read in of the following detailed description in conjunction with the drawings wherein there is shown and described illustrative embodiments of the invention.

BRIEF DESCRIPTION OF DRAWINGS

These and other details of the present invention will be described in connection with the accompanying drawings, which are not furnished only by way of illustration and not in limitation of the invention.

FIG. 1 is a perspective view of the palm side of present invention, the protective glove with five finger stalls.

FIG. 2 is a perspective view of the back side of present invention, the protective glove with three finger stalls.

FIG. 3 is a perspective view of the palm side of present invention, the protective glove with three finger stalls.

FIG. 4 is a perspective view of the back side of present invention, the protective glove with three finger stalls.

FIG. 5 is an alternative embodiment of the palm side of present invention, the protective glove with five finger stalls.

FIG. 6 is an alternative embodiment of the back side of present invention, the protective glove with three finger stalls.

FIG. 7 is an alternative embodiment of the palm side of present invention, the protective glove with five finger stalls.

FIG. 8 is an alternative embodiment of the back side of present invention, the protective glove with five finger stalls.

DETAILED DESCRIPTION OF THE INVENTION

Referring first to FIG. 1, the glove (10) is depicted having the usual five finger stalls (i.e. pinky, ring, middle, index and thumb), a thumb stall (36) and wrist cuff or wristlet (60). FIG. 1 shows the palm side of glove (10) and FIG. 2 shows the backside of glove (10).

Referring now to FIG. 2, it can be seen that glove (10) has a first shell section (55) which defines the backside (55) of glove (10). First and second shell sections (55, 56) are joined to one another in a suitable manner, such as by integrally sealing, sewing or stitching, thereby dividing glove (10) into the palm side half (56) and the backside half (55). The embodiment of the present invention can further comprise an attaching element (45) that is removably connected to wrist cuff (60) through fastener (50).

Referring to FIG. 3 there is shown an alternative embodiment showing only a three finger stall glove (100). Referring first to FIG. 3, the glove (100) is depicted having three finger stalls (i.e. middle, index and thumb), a thumb stall (121) and wrist cuff or wristlet (130). FIG. 3 shows the palm side of glove (100) and FIG. 4 shows the backside of glove (145).

Referring now to FIG. 4, it can be seen that glove (100) has a first shell section which defines the backside (145) of glove (100). First and second shell sections (145, 146) are joined to one another in a suitable manner, such as by integrally sealing, sewing or stitching, thereby dividing glove (100) into the palm side half (146) and the backside half (145). The embodiment of the present invention can further comprise an attaching element (135) that is removably connected to wrist cuff (130) through fastener (140).

In the embodiment illustrated in FIGS. 1 and 2, each of the five finger stall covering (i.e. respectively, pinky cover (15), ring cover (20), middle cover (25), index cover (30), thumb cover (35)) extends the entire length of the finger stall. However, in the embodiment illustrated in FIGS. 7, and 8, the finger stall covering (i.e. respectively, pinky cover (205), ring cover (210), middle cover (215), index cover (220), thumb cover (225)) extends along a portion of the upper end of the tip along the inner surface area of the palm side of the glove.

In the embodiment illustrated in FIGS. 3 and 4, each of the three finger stall covering (i.e. respectively, middle cover (105), index cover (110), thumb cover (120)) extend the length of each finger stall. The finger stalls for the ring finger and pinky finger are absent. FIGS. 5 and 6 illustrate an alternative embodiment of the glove wherein the three finger stall covering (i.e. respectively, middle cover (310), index cover (315), thumb cover (320)) extend the length of the inner surface of each finger stall.

The glove can be made out of a polychloroprene material which is soft textured, heat resistant and water resistant such as Neoprene which has a burn point of 260 degrees C. (500 degrees Fahrenheit).

As shown in FIGS. 1-8, secured to each finger stall of the first shell section inwardly thereof is a protective covering that generally faces and overlies the inner surface of each finger stall of first shell section of the palm side.
Each protective covering is made of a heat and tear resistant elastomer material. The covering can be made out of an elastomer material that is durable and will not tear such as silicone rubber which can deal with temperatures between -67 to 572 degrees Fahrenheit. The glove is made of a tear resistant fiber.

What is claimed is:

1. A five finger stall heat-resistant glove comprising:
   a. a first shell section generally defining a palm side of the glove the first shell section made of a temperature-resistant polychloroprene fiber stretchable fiber;
   b. a second shell section generally defining the backside of the glove made of the temperature-resistant polychloroprene stretchable fiber, the first and second shell sections being secured to one another so as to provide a lower opening for insertion of a wearer's hand;
   c. a first covering liner section secured to a protective portion of each of the five fingerstall of the first shell section facing and generally overlying an inner surface of the first shell section comprising a durable fabric of a temperature-resistant flexible elastomer fiber; and
   d. a second covering liner section secured to the first shell section below and adjacent the inner surface of the first shell section of a thumb finger stall generally, the second covering section comprising a temperature-resistant flexible elastomer fiber.

2. The glove of claim 1 wherein the temperature-resistant stretchable fiber comprises neoprene.

3. The glove of claim 1 wherein the elastomer material comprises silicone rubber.

4. The glove of claim 1 wherein the temperature resistant stretchable fiber has a burning point of 500 degrees Fahrenheit.

5. The glove of claim 1 wherein the elastomer material can withstand temperatures between -67 to 572 degrees Fahrenheit.

6. The glove of claim 1 wherein the protective portion covers the upper end only of each of the five finger stalls.

7. The glove of claim 1 wherein the protective portion extends length of each of the five finger stalls.

8. The glove of claim 1 wherein the temperature resistant stretchable fiber is puncture resistant.

9. The glove of claim 1 wherein the elastomer material is puncture resistant.

10. The glove of claim 1 wherein the elastomer material withstands temperature.

11. The glove of claim 1 wherein the stretchable fiber withstands temperature.

12. The glove of claim 1 wherein a wrist cuff surrounds the lower end of the glove.

13. The glove of claim 8 wherein a fastener is removably attached to the wrist cuff.

14. A three finger stall heat-resistant glove comprising:
   a. first shell section generally defining the palm side of the glove the first shell section comprising a temperature-resistant polychloroprene stretchable fiber;
   b. a second shell section generally defining the backside of the glove fabric of the temperature-resistant polychloroprene stretchable fiber, the first and second shell sections being secured to one another so as to provide an opening for insertion of a wearer's hand;
   c. the three fingerstall consist of a thumb, a ring, and a middle finger stall;
   d. a pinky and index finger stall forms a unitary aperture near a lower end of the three finger stall;
   e. a first covering liner section secured to a protective portion of each of the three finger stalls of the first shell section facing and generally overlying the inner surface of the first shell, the first covering liner section made of a temperature resistant elastomer material; and
   f. a second covering liner section secured to the palm of first shell section generally overlying the inner surface of the second shell section, the second covering liner section comprising the temperature-resistant elastomer fiber.

15. The glove of claim 6 wherein the temperature-resistant stretchable polychloroprene fiber comprises neoprene.

16. The glove of claim 6 wherein the elastomer fiber comprises silicone rubber.

17. The glove of claim 6 wherein the protective portion covers the upper end only of each of the three finger stalls.

18. The glove of claim 6 wherein the protective portion extends length of each of the three finger stalls.

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