

(No Model.)

2 Sheets—Sheet 1.

H. H. PERKINS.
HUSKING PIN.

No. 429,475.

Patented June 3, 1890.

Fig. 1.

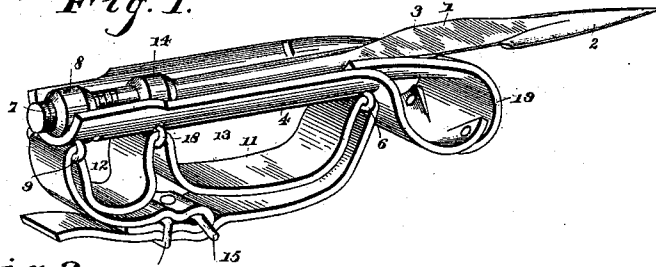


Fig. 2.

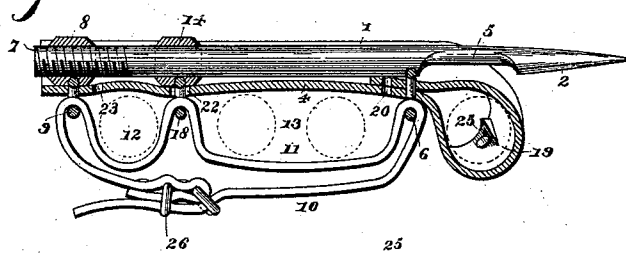


Fig. 4.

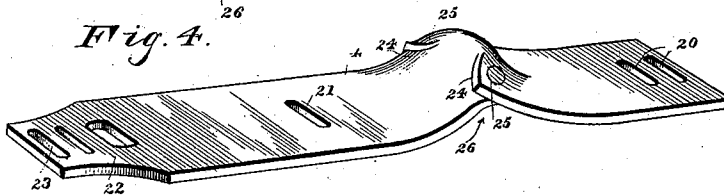


Fig. 5.

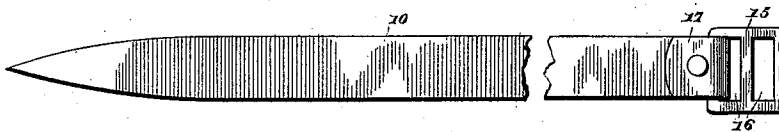


Fig. 6.

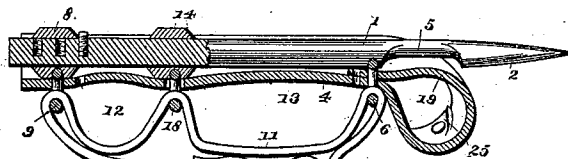
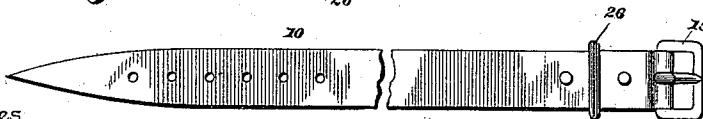


Fig. 13



Witnesses

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(No Model.)

2 Sheets—Sheet 2.

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Fig. 3.

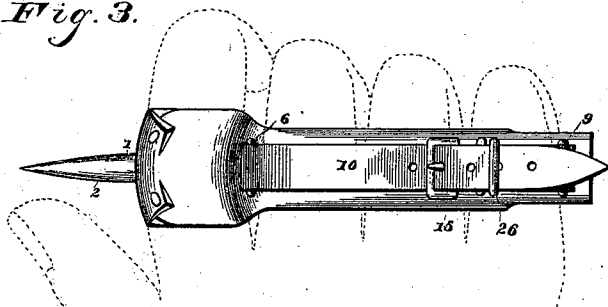


Fig. 7.

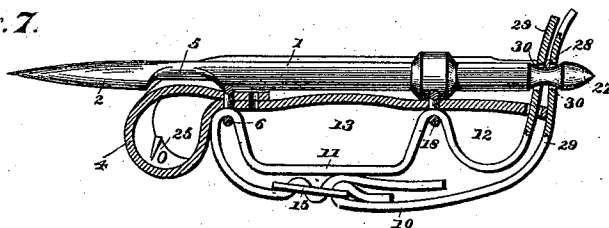


Fig. 8.

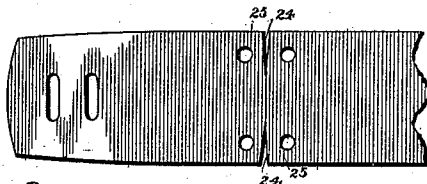


Fig. 9.



Fig. 10.

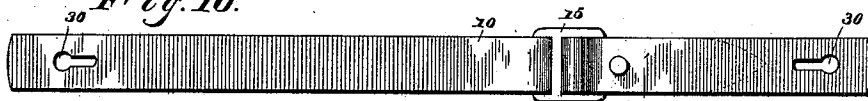


Fig. 11.

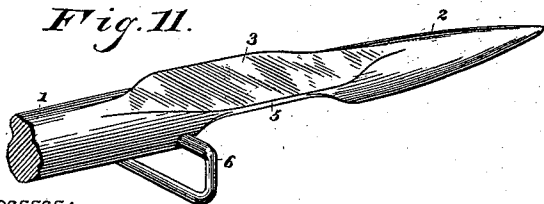
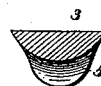


Fig. 12.



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HAZEN H. PERKINS, OF KEWANEE, ILLINOIS.

HUSKING-PIN.

SPECIFICATION forming part of Letters Patent No. 429,475, dated June 3, 1890.

Application filed April 3, 1890. Serial No. 346,458. (No model.)

To all whom it may concern:

Be it known that I, HAZEN H. PERKINS, a citizen of the United States, residing at Kewanee, in the county of Henry and State of Illinois, have invented a new and useful Husking-Pin, of which the following is a specification.

The invention relates to improvements in husking-pins.

10 The object of the present invention is to provide a husking-pin with an adjustable guard and finger strap adapted to be readily removed and replaced and capable of being quickly adjusted to various sizes of fingers.

15 A further object of the invention is to provide a finger guard and strap which will conform to the configuration of the fingers.

20 The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and particularly pointed out in the claims.

In the drawings, Figure 1 is a perspective view of a husking-pin constructed in accordance with this invention. Fig. 2 is a side elevation, partly in section, the position of the fingers in the loops being illustrated in dotted lines. Fig. 3 is a perspective view, the position of the hand being illustrated in dotted lines. Fig. 4 is a detail view of the guard-strap. Fig. 5 is a similar view of the loop-strap. Fig. 6 is a side elevation, partly in section, illustrating a modification of the invention. Fig. 7 is a similar view illustrating another modification of the invention. Fig. 8 is a plan view of the guard-strap employed. Figs. 9 and 10 are similar views of loop-straps. Fig. 11 is a detail view of the point of the pin. Fig. 12 is a transverse sectional view. Fig. 13 is a detail view of the strap that is employed in the constructions shown in Figs. 1 and 3.

Referring to the accompanying drawings, and particularly in Figs. 1 to 5, 1 designates a husking-pin constructed of suitable metal, preferably steel, and having a round tapering end 2, and provided a short distance with a spreaded portion 3, one face of which is flat and the other face is convex or concave, and this curved face lies within the plane of the

pin and has bearing against it the guard-strap 4, which is designed to form a loop to receive and protect the index-finger. The husking-pin has secured to it in the rear of the curved face 5 an eye or ring 6, that is flattened or made oblong, and the end 7 of the pin is threaded and adapted to receive a threaded sleeve 8, that has secured to it an eye 9, similar in shape to the eye 6, and the threaded sleeve 8 is capable of longitudinal movement on the end of the husking-pin to vary the length of the pin and the size of finger-loops that are formed by a loop-strap 10, that is doubled and is secured in the eyes 6 and 9. The inner portion 11 of the strap 10 is divided into two loops 12 and 13 by a sliding sleeve 14, that is arranged on the pin between the eye 6 and the threaded end and adapted to be moved longitudinally to vary the size of the loops 12 and 13, the former of which receives the little finger and the latter is designed to receive the next two fingers.

The loop-strap 10 is provided with a buckle 15, which, as shown in Fig. 1, is of the ordinary construction, but in Fig. 10 consists of a plate provided with a series of transverse openings or slots 16, and secured to the strap by passing one end 17 through an opening 16 and riveting it. The other end of the loop-strap 10 is secured to the buckle by passing it through the transverse slots or openings 16, and the free end is arranged between the folds of the strap and is out of the way. (See Fig. 7.) By means of the buckle the loops 12 and 13 which receive the fingers can be varied independently of the sliding sleeve 14, which is provided with an eye 18 to receive the strap.

The strap 10 is passed through the eyes 6, 9, and 18 and doubled on itself and buckled, and it thereby secures to the husking-pin the guard-strap 4, which is much wider than the loop-strap and is adapted to keep the hand from contact with the sides of the pin, and it forms a loop 19 near the front end of the pin to receive the index-finger and protect the same. The guard-strap 4 is further provided at one end with transverse openings 20, which receive the eye 6 and enable the loop 19, which receives the index-finger, to be adjusted in size, and it is provided with similar openings 21,

22, and 23, to receive the eyes 6, 9, and 18. The opening 22, which receives the eye of the sliding sleeve, is larger than the other opening to permit the sleeve to be readily moved and adjusted. The guard-strap 4 is provided near its front end with oppositely-disposed cuts or slits 24, and the cut portions 25 are lapped and riveted together and provide a concavity 26 to enable the loop 19 to conform to the configuration of the finger. The openings 23 at the rear end of the guard-strap enable the threaded sleeve to be adjusted along the pin without bulging the guard-strap.

In Fig. 6 I have illustrated a modification of the invention in which the sleeve 8 is provided with a set-screw to enable it to be adjusted on the end of the pin, and in this modification I have shown the ends of the loop-strap connected together by an ordinary buckle, and the end of the strap that is provided with the buckle has secured to it a metal ring or loop 26, that receives the free end of the strap and prevents its interfering with the operator's movements.

In Fig. 7 of the accompanying drawings is illustrated another modification of the invention in which the husking-pin is provided at its rear end with a knob 27 and an annular groove 28, and the loop-strap is composed of two portions or sections, the ends 29 of which are provided with openings or slots 30 to receive the knob 27. In this form of husking-pin the buckle connecting the other ends of the straps is especially advantageous, as it not only adjusts the loops, but takes up the wear of the slot and the stretching of the straps. The loop-strap may be constructed of a single piece, as illustrated in Fig. 9; but it is preferable to provide a buckle and make the strap of two pieces.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A husking-pin provided with the guard-strap 4, having the adjusting-openings 20 and the opening to receive the eyes of the pin and forming the loop 19 and provided with the oppositely-disposed cuts 24, the cut portions 25 being lapped and forming a concavity, substantially as described.

2. The combination of the husking-pin having the eyes 6, 9, and 18, the guard-strap 4, having the adjusting-openings 20 and forming the loop 19, and having the openings 21, 22, and 23 to receive the eyes and provided with oppositely-disposed cuts 24, the cut portions 25 being lapped and riveted together and forming a concavity, and the loop-strap passing through the eyes of the pin and securing the guard-strap in place, substantially as described.

3. The combination of the husking-pin provided with the eye 6 and having its rear end 7 threaded, the threaded sleeve 8, engaging the threaded end 7 and provided with the

eye 9, the sliding sleeve having the eye 18 and arranged upon the pin between the eye 6 and the threaded end 7, the guard-strap forming the loop 19, and provided with the concavity and having the adjusting-openings and the openings to receive the eyes, and the loop-strap passing through the openings, substantially as described.

4. The combination of the husking-pin provided with the eye 6 and the threaded end 7, the threaded sleeve engaging the threaded end and adapted to vary the length of the pin, and provided with an eye 9, the sliding sleeve having the eye 18, the guard-strap forming the loop 19, and the loop-strap provided with a buckle consisting of the plate having the transverse openings to receive the end of the strap, substantially as described.

5. In a husking-pin, the guard-strap 4, forming a loop to receive and protect the index-finger, said strap lying close against and partly encircling the pin around the under side thereof, one end of the strap being doubled back and made adjustable, so as to provide the finger-receiving loop 19, as set forth.

6. In a husking-pin, the guard-strap 4, forming a loop to receive and protect the index-finger, said strap lying close against and partly encircling the pin around the under side thereof, one end of the strap being doubled back and made adjustable, so as to provide the finger-receiving loop 19, the latter being provided with cuts or slits 24, and the cut portions being lapped and riveted to provide the concavity 26, as set forth.

7. A husking-pin provided with the adjustable sleeve 8 and the sliding sleeve 14, each of which is provided with an eye, as 9 18, and the independent eye 6 at the front end of the pin, combined with the strap 10, passing through the eyes 9, 18, and 6 and doubled underneath to provide two thicknesses to the finger-loop strap, and having their ends connected together by a buckle, as set forth.

8. A husking-pin provided with the adjustable sleeve 8 and the sliding sleeve 14, each of which is provided with an eye, as 9 18, and the independent eye 6 at the front end of the pin, combined with the strap 10, passing through the eyes 9, 18, and 6 and adjustably connected with the rear end of the pin, and then doubled underneath to provide two thicknesses to the finger-loop strap and having their ends connected together by a buckle, as set forth.

9. In a husking-pin provided with a series of eyes, the guard-strap 4, slipped over the eyes and having its front end formed into an index-finger-receiving loop 19, combined with the finger-loop strap 10, passed through the eyes and serving to hold the guard-strap thereon, as set forth.

10. In a husking-pin provided with a series of eyes, the guard-strap 4, slipped over the eyes and having its front end doubled back

and made adjustable and formed into an index-finger-receiving loop 19, combined with the finger-loop strap 10, passed through the eyes and serving to hold the guard-strap thereon, and provided with an adjusting-buckle, the guard-strap being wider than the loop-strap and lying close to the under side of the pin, as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

HAZEN H. PERKINS.

Witnesses:

LEON C. HUCKINS,
JOSEPH R. GAMBLE.