

UNITED STATES PATENT OFFICE.

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CONTROLLER-BIT.

SPECIFICATION forming part of Letters Patent No. 785,327, dated March 21, 1905.

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To all whom it may concern:

Be it known that I, CHARLES W. PHILLIPS, a citizen of the United States, and a resident of Omaha, in the county of Douglas and State of Nebraska, have invented a certain new and novel Improvement in Controller-Bits, of which the following is a specification.

The aim of my invention is to provide a bit adapted to double up in the animal's mouth if a very hard strain is placed upon the same, this controller-bit being especially adapted to be used with horses that tongue-haul, side-pull, or lug on the mouth, the bit operating, however, without in any way lacerating the cheeks, though the horse is unable to catch the bit in his teeth.

In the accompanying drawings I have shown, in Figure 1, a top view of a bit embodying my invention, while Fig. 2 shows a side view, partly in section, thereof.

In carrying out the aim of my invention I use two cheek-plates, (marked B and B' in Fig. 1,) each cheek-plate being provided with a strap-loop 7 and 7', as shown in Fig. 1, from which loops 7 and 7' extend the head-strap 8, as is shown in Fig. 2. Each cheek-plate is slotted, as is shown at 9 in Fig. 2, while each cheek-plate is further provided with a pin *p*, as shown in Fig. 2, and from the pin of each cheek-plate extends a joint-bit member, as is shown at A and A', which are joined to the bit members D and D', to which are secured swivel-loops C and C', each loop being provided with a terminal rein-loop, as shown at 4 and 4' in Fig. 1. Each cheek-plate is provided with a loop, as is shown at 6 and 6', and from the loop 6 extends the chin-strap 1, secured to the intermediate bar 5 of the swivel-loop C', as is shown in Fig. 1, while extending from the loop 6' of the cheek-plate B is the chin-strap 1', adjustably secured to the bar 5 of the swivel-loop C', as is also shown in Fig. 2. From the swivel-loops 4 and 4' extend the reins 2, secured by means of the loops *o*, as shown in Fig. 2, while the chin-straps 1 and 1' are adjusted by means of the

buckles 3, these chin-straps being provided with the usual loops *o*. From this it will be noticed that I provide two cheek-plates B and B'. From the outer end of each pivotally extends a joint-bit member, as is shown at A and A', which are joined each to a second joint-bit member, as is shown at D and D', these joint-bit members crossing one another, so that each joint-bit is secured to the forward point of one cheek-plate and passes through the rear slot of a cheek-plate opposite, as is shown in Fig. 1. It will further be noticed that the traveling end of each joint-bit operating through a slot is provided with a swivel-loop and that a chin-strap extends from each swivel-loop and is secured to the strap-loop of the opposite cheek-plate, as is clearly shown in Fig. 1.

These bits are made of various sizes, and while it doubles it does not pinch the tongue, making it an easy bit for a horse that is not hard-mouthed or that does not worry the bit.

Having thus described my said invention, what I claim as new, and desire to secure by United States Letters Patent, is—

1. In a bit of the character described, the combination with two slotted cheek-plates, of a bit member extending from and pivotally secured to each cheek-plate, a second bit member extending from each first-mentioned bit member to form two jointed bits, each rear bit member extending through the slot within each cheek-plate, upon the side opposite, said jointed bits crossing one another X-shaped, a swivel-loop secured to the end of each bit member projecting through the cheek-plates, and a pliable loop extending from each swivel-loop and secured to the opposite cheek-plate.

2. In a bit of the character described, the combination with two jointed bits, of two slotted cheek-plates, each jointed bit extending from and being secured at one end to one of the said slotted cheek-plates, each jointed bit projecting at the opposite end through the slot within the cheek-plate opposite, so

that said jointed bits are held X-shaped, a swivel-loop secured to each bit and projecting through each cheek-plate, a chin-strap extending from each swivel-loop and secured
5 to the cheek-plate opposite so that said chin-straps cross one another, all arranged as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES W. PHILLIPS.

Witnesses:

CHARLES S. ELGUTTER,
FREDERICK J. LARSON.