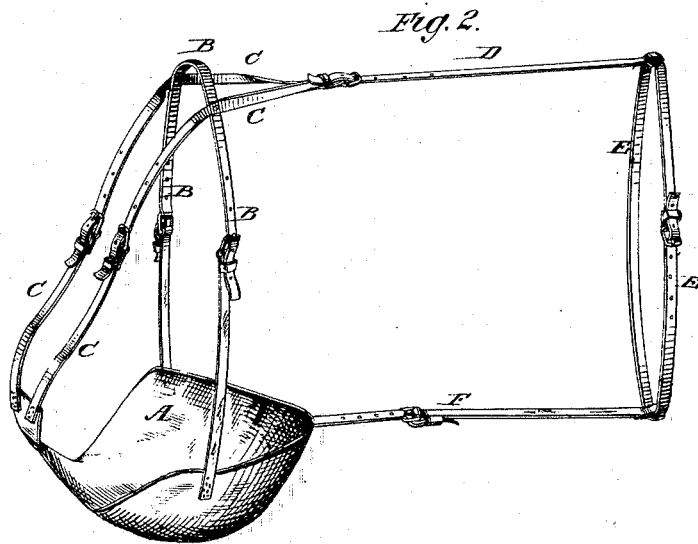
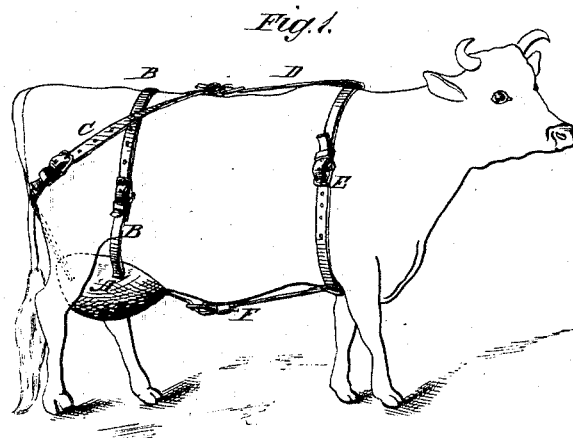


M. R. DOWLIN.
Cow's Bag Protector.

No. 198,282.

Patented Dec. 18, 1877.



WITNESSES:

Francis McCall
J. H. Scarborough.

INVENTOR:

M. R. Dowlin.

BY *Munn & Co.*

ATTORNEYS.

UNITED STATES PATENT OFFICE.

MARSHALL R. DOWLIN, OF NORTH ADAMS, MASSACHUSETTS.

IMPROVEMENT IN COW'S-BAG PROTECTORS.

Specification forming part of Letters Patent No. 108,282, dated December 18, 1877; application filed November 21, 1877.

To all whom it may concern:

Be it known that I, MARSHALL RICHARDSON DOWLIN, of North Adams, in the county of Berkshire and State of Massachusetts, have invented a new and useful Improvement in Cow's-Bag Protectors, of which the following is a specification:

Figure 1 is a side view of my improved protector, shown as applied to a cow. Fig. 2 is a perspective view of the protector.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved device for covering a cow's bag, to protect it from filth in the stable, so that it will be clean when the cow is milked, and to keep it warm in cold weather, so that the milk will flow down more freely into the bag, and will thus be given in larger quantity.

The invention consists in the cover or pouch, made of leather or other suitable material, and provided with straps, to adapt it for use for covering and protecting a cow's bag, as hereinafter fully described.

A is the pouch or cover, which is made of leather, canvas, rubber cloth, or other soft and flexible material, and which is brought into the proper shape by goring it. To the side edges of the cover A is attached a strap, B, which passes up in front of the cow's hind legs and over her back, and which is made adjustable in length by buckles. To the rear edge of the cover A are attached the lower ends of two straps, C, which pass up between the

cow's hind legs, over her hips, and their upper ends are buckled to the rear end of the back-strap D. The straps C are made adjustable in length by buckles, and are secured to the strap B at the points of intersection, to prevent them from slipping down out of place. The forward end of the back-strap D is attached to a strap, E, which is buckled around the cow's body just in the rear of her fore legs.

F is a strap, the rear end of which is attached to the forward edge of the cover A, and which passes forward beneath the cow's belly, and its forward end is attached to the strap E. The strap F is made adjustable in length by a buckle.

The various straps may be made of leather, webbing, or other suitable material.

By this construction the cover or pouch A will be held securely in place in such a way as not to interfere with the movements of the cow in lying down and in getting up, and will not be liable to get out of place.

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

The cover or pouch A, made of leather or other suitable material, and provided with straps, to adapt it for use for covering and protecting a cow's bag, substantially as herein shown and described.

MARSHALL RICHARDSON DOWLIN.

Witnesses:

LYMAN M. FLAGG,
WALTER J. LEMOIN.