

PARTS LIST AND INSTRUCTIONS FOR USE OF

Rhinehart

AUTOMATIC
HEAT-CONTROL

CALF DEHORNER

X-50A, NO SOLDER TIP

Catalog No.
X50 Dehomer
Supplied complete
with Soldering Tip
216 Watts,
110-120 volts AC only.
Shipping weight 2 3/4 lbs.

CAUTION - Do not use Copper or Steel Wool
so clean head. A short may be caused by particles
dropping into the instrument. Emery cloth, and paper
or a wire brush is recommended.

WHY CALVES SHOULD BE DEHORNED

Horns are dangerous and destructive. They cause enormous losses of meat and milk and are a constant threat to the safety of humans and other animals. Dehorned cattle require less room at feed bunks, feed better and are more easily managed. All branches of the livestock industry recognize that horns have NO BENEFICIAL value but do present a lot of hazards and should be removed while calves are young.

Dairymen have been searching for years for a simple humane way to dehorn cattle. Many dairymen will not milk cows that have horns, contending that horns cause lowered milk production and numerous goring injuries to bodies and udders. Dehorned dairy cattle look better and are easier to manage, feed and milk. Cattlemen (Beef and Dairy) throughout the country agree that the ideal time to dehorn is during early calthood. Dehorning of mature animals causes losses in weight and production due to shock, loss of blood, infection, going off feed, etc. All these losses are eliminated when animals are dehorned as calves with the new Rhinehart Electric Dehomer.



Dehomer shown with
Catalog No.
G90 CN Soldering Tip



Becomes heavy-duty
Soldering Iron when
Soldering Tip is attached

Automatic control for
correct, steady heat.

Fast and easy to use

No loss of blood-no open
flesh wound

Does safe, efficient
dehorning job

Reduces risk of screw
worm infestation

Electric dehorning can be
done any time of year

ADVANTAGES OF ELECTRIC DEHORNING

1. There is no loss of blood and no severe shock during or after dehorning.
2. Calves show no ill effects from this method of dehorning, such as going off feed, scours or listlessness, etc.
3. Electric dehorning is safe, fast and certain. Only a few minutes are required for the entire operation.
4. Electrically dehorned calves do not have to be isolated. There is no irritation causing calf to rub or bruise its head, and no risk of injury to eyes, udders or other body parts of other animals.
5. Dehorning with the Rhinehart Electric Dehomer can be done any month of the year without danger of colds or screw worm attack. There is no open "live flesh" wound.

GENERAL INFORMATION

The Rhinehart Electric Dehomer will do a good dehorning job on any calf that does not have a horn larger at the base than the inside diameter of the Dehomering ring (3e $\frac{11}{16}$ in. $\frac{10}{16}$ in. (See Other Side)



The Dehomer should be applied for at least 10 seconds to make sure ALL horn cells in hair line around the horn base are killed.

A dry scab will form over the seared area. The scab and horn button will later drop off. This will take several weeks. Let it heal off-don't pull it off.



Electric dehorning is preferred over other methods. It is safe, fast, and efficient. Dehorn calves as soon as horn button can be located-the younger the calf the better.

RHINEHART DEV. CORP.

5345 COUNTY ROAD 68 - SPENCERVILLE, IN 46788

We guarantee every item to give satisfactory service or we will replace or refund your money.

tapered inside diameter.) Dehorning should be done as soon as the horn button can be located. The younger the calf, the less effort and time required for a good dehorning job.

The X50 reaches the proper high temperature (over 1,000 degrees) in a few minutes after it is plugged into the electric outlet. It has *automatic heat control for the correct, steady heat at all times.* This high, controlled heat kills all the horn cells around the base of the horn. These cells extend out from the horn base $\frac{1}{4}$ to $\frac{1}{2}$ of an inch, depending on the age of the calf.

CONTROL OF CALF WHILE MORNING

There are several ways to hold the calf while dehorning: A calf two to four weeks old may be backed into a corner. Then straddle its neck, bending the head over your left knee to treat right horn, and over the right knee to treat left horn. The calf can be securely tied with halter or rope. A corner of the pen should be used to restrict the calf's movement. If more than one person is available, the calf can be thrown as when branding.

HOW TO USE X50 DEHORNER

First make certain that the heat control lever, located between the housing and the dehorning tip, is set at the letter "D" (see arrow, Fig. 1-lever should be set at "S" when soldering).

Then plug Dehorner into any 110 volt AC outlet. **IMPORTANT-Do not use Dehorner on DC (direct current).** Allow from 6 to 7 minutes for dehorning ring to heat to cherry red color. It is not necessary to pause during dehorning. The thermostatically controlled element maintains the proper, even, steady heat at all times regardless of the number of calves dehorned in succession. The Thermostat also controls the heat during any period when the Dehorner is plugged into socket but not actually being used. Pen calves near the electric outlet so they can be reached



Fig. 1

without disconnecting dehorner cord from outlet during dehorning. (Use good quality 16 or 18 gauge extension cord if one is needed.)

Apply Dehorner firmly, rotating handle of instrument slightly to make certain the high temperature is applied to ALL horn cells in hair line around the horn base for at least 10 seconds. Over-application is better than under-application. You can accurately check the time by counting from 1,000 and 1, 1,000 and 2, etc., up to 1,000 and 10. Then, remove the Dehorner. The area around the base of the horn should now be a dark copper color. If all the area around the base of the horn is not a dark copper color, apply the Dehorner again for a few seconds.

Do not remove horn button, or apply medication of any type. A dry scab will form over the area treated. The scab and horn button will drop off in four to six weeks leaving a smooth, well-healed area.

INTERCHANGEABLE SOLDERING TIP

A $\frac{3}{8}$ inch diameter soldering tip, Cat. No. 06824 is included with each X 50 unit. This attaches to the dehorning tip, making the X50 usable as a conventional soldering iron as well as a dehorner. The soldering tip included with this Dehorner

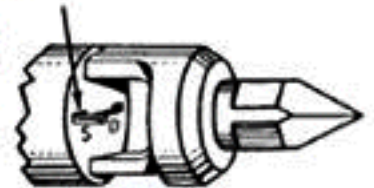


Fig. 2

is attached by means of a slide clip. To attach soldering tip to Dehorner insert round end of tip into ring. Then place slide over stud in end of soldering tip to lock it securely in place. When the iron is used as a dehorner, the heat control lever located between the housing and the dehorning tip, should be pushed to the position marked "D." When it is to be used for soldering, this lever should be pushed to the position marked "S." (See arrow, Fig. 2.)

This instrument is guaranteed for one year from date of purchase against defects in material and workmanship. The guarantee, however, does not cover damage due to careless handling, misuse, or lack of ordinary care.



89

#28342 - 18" LONG



#028

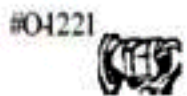
101023

PARTS LIST FOR X50 DEHORNER

#101003-108N

#1010 5

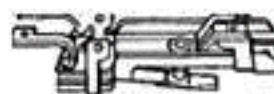
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#04221



#28322



#101074

#101023-4N



#02810

#27 71



#02796

6-mp!

#06824

W,kw

#02845

#02846

Part No.	Name	Weight	Part No.	Name	Weight
02796	HOUSING ASSEMBLY AND BRACKET STAND	4 OZ.	01226	STRAIN RELIEF BUSHING	1 OZ.
27971	BURNING IRON ASSEMBLY	7 OZ.	02841	FIBER WASHERS (3 USED)	1 OZ.
101074	SCREWS (2 USED)	1 OZ.	101075	SCREWS (3 USED)	1 OZ.
02808	CLAMP	1 OZ.	06824	STUD AND SOLDERING TIP ASSEMBLY	5 OZ.
02810	SWITCH ASSEMBLY	2 OZ.	02845	STUD ONLY	1 OZ.
28342	CORD ASSEMBLY (18")	7 1/2 OZ.	101061	SCREW, FLAT POINT	1 OZ.
28322	HANDLE	7 OZ.	02846	SLIDE	1 OZ.
101023	SCREW, ROUND HEAD MACHINE (2)	1 OZ.	101023	SCREW, ROUND HEAD MACHINE (2)	1 OZ.

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