

*Instructions for Attaching*

**MARGACH FEEDER**

*to*

**LUDLOW**

*and*

**ELROD**

ON LUDLOW TYPOGRAPHS, after the feeder has been attached per description, Fig. E, hang up the float chain in one of the four holes in the latch on the side of feeder, using the hole giving the desired height of metal in pot. If float is too long, take off one or two links at the top.

You are then ready to set the long operating chain properly, which is done by turning over the fly-wheel until the two forks under the bed of the Ludlow are at their lowest point, Fig. F, (first having attached the operating arm with hole in rod facing the back of machine), then draw bolt through hole and bring up the nuts until fairly tight. You are then ready to proceed, except that you may have to reset the float chain to get the desired height of metal in pot after you have begun using the large pigs. When machine is in home position, there should be about one inch slack between the locknuts on operating chain and hole of operating arm. Enough of this chain is furnished to allow for looping the slack with two S hooks, so that when pigs are to be lowered by manual operation, the S hook can be unhooked, operating chain pulled down and up by hand, and then hooks rejoined so that feeder will operate mechanically.

On ELROD CASTERS, descriptions of which are on Figs. G and H, the new friction type of feeder is shown, doing away with operating arm and chain.

On Fig. G you will note the two brackets that are applied where the screw holes are already tapped for these fittings, and when these brackets are applied you may slide the pipe through the upper bracket and this will guide it into the center of the lower bracket. The set screws need not be fastened until the feeder has been hung and adjusted so that the pig of metal hangs directly into the opening of the pot.

The operation of this friction feeder is controlled by the float, the hook at one end of the chain being hung in one of the holes of the rocker which operates the pawl against the brake. This type of feeder is very easily adjusted after you hang the pig of metal, and the only requirement for attention is to see that the pawl never rides beyond the center of the bronze brake, that the metal pot is kept full, at which time the float should permit the pawl to lock or release the brake.

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MARGACH AUTOMATIC METAL FEEDER

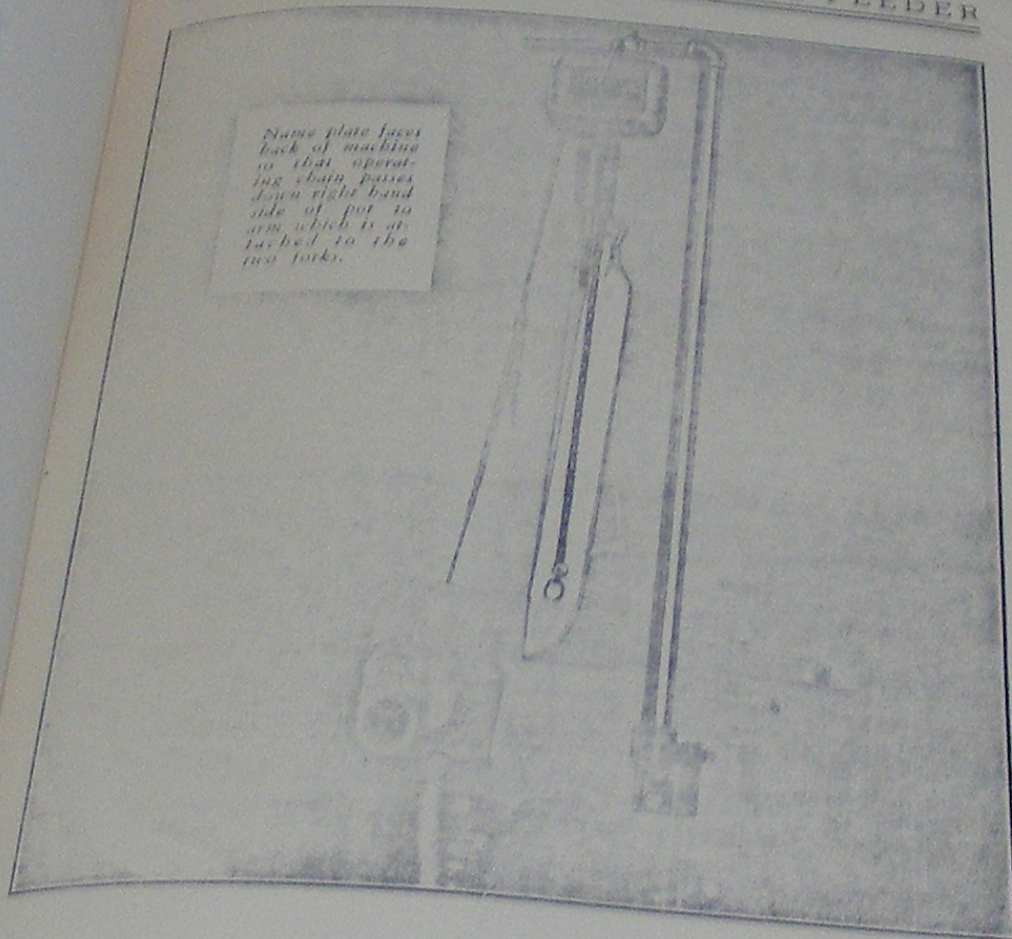


Fig. E

LUDLOW

Bracket and appearance of feeder from rear of Ludlow

# MARGACH AUTOMATIC METAL FEEDER

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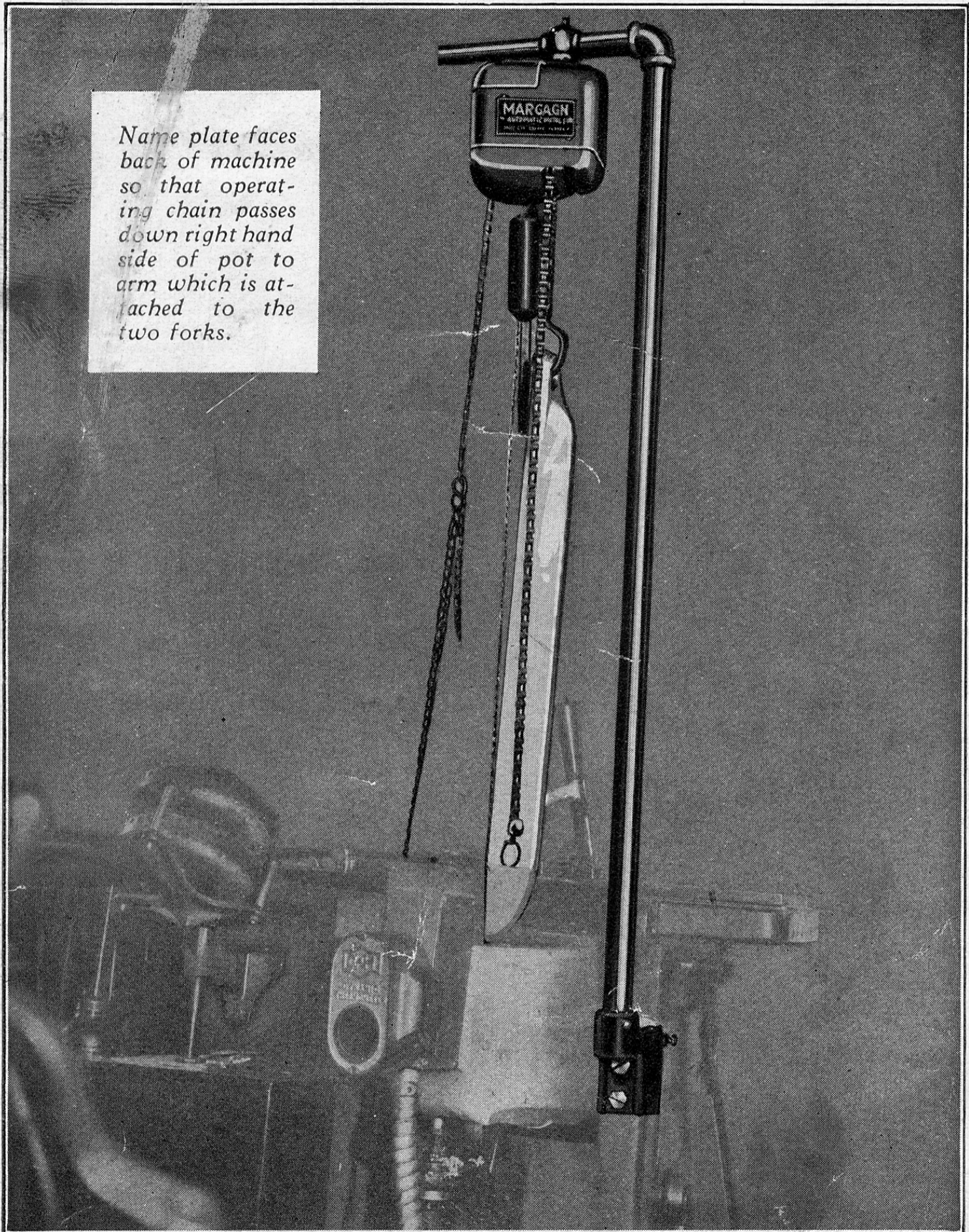


Fig. E

LUDLOW

*Bracket and appearance of feeder from rear of Ludlow*

MARGACH AUTOMATIC METAL FEEDER

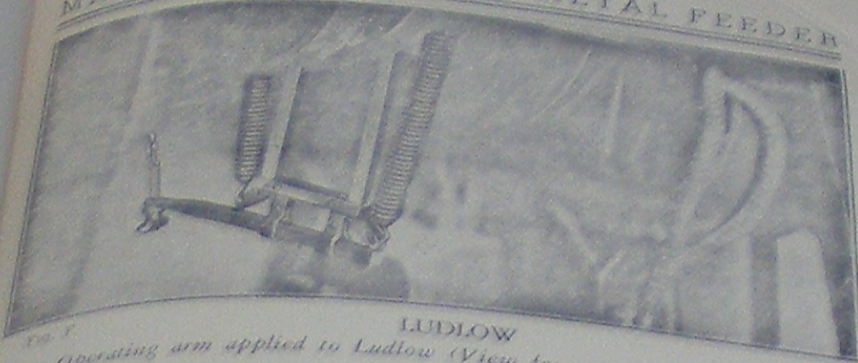


Fig. 7. LUDLOW  
*Operating arm applied to Ludlow (View from front of machine)*

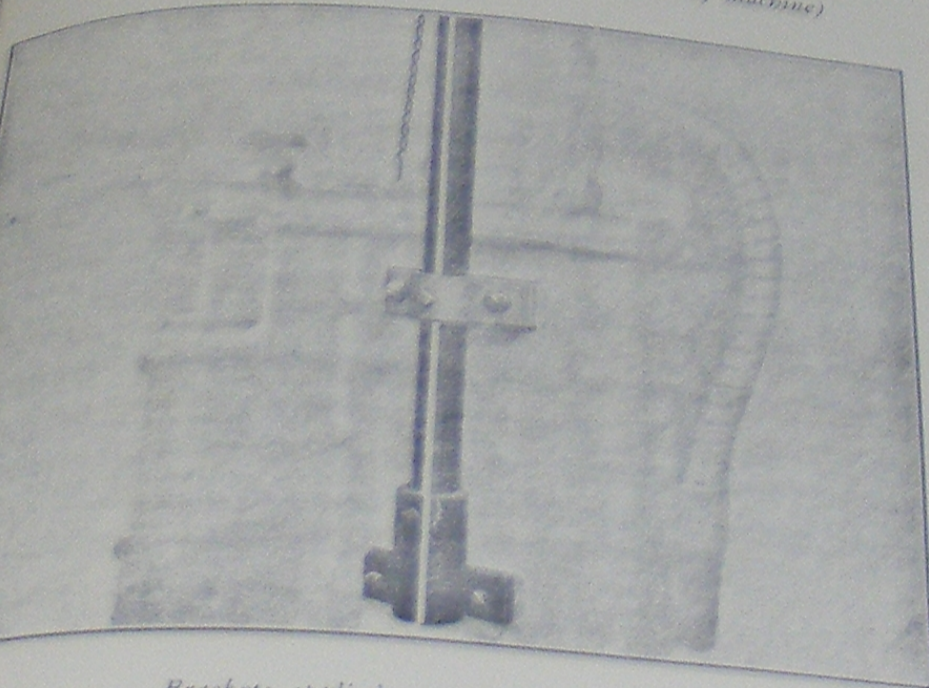


Fig. 8  
*Brackets applied to New Elrod Pot*

# MARGACH AUTOMATIC METAL FEEDER

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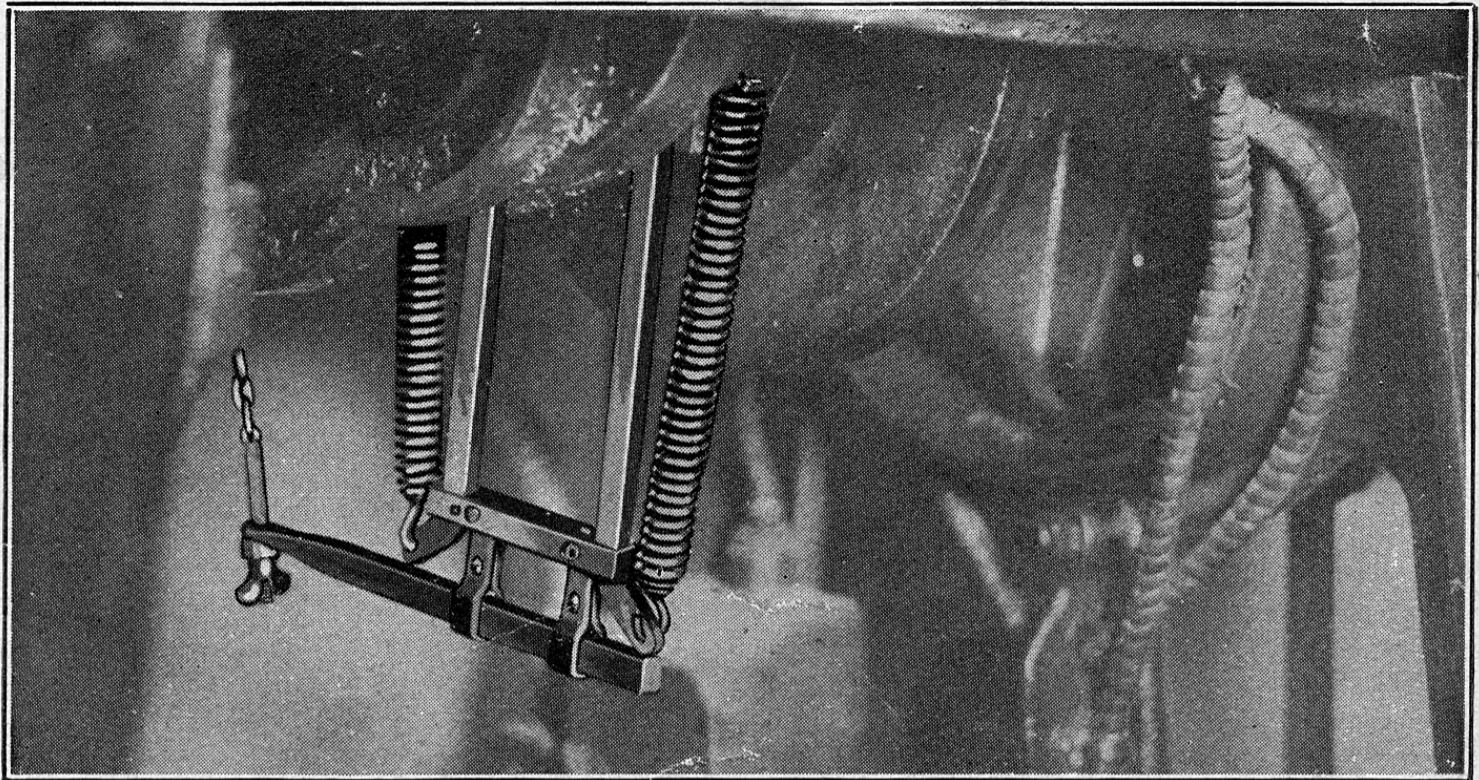


Fig. F

LUDLOW

*Operating arm applied to Ludlow. (View from front of machine)*

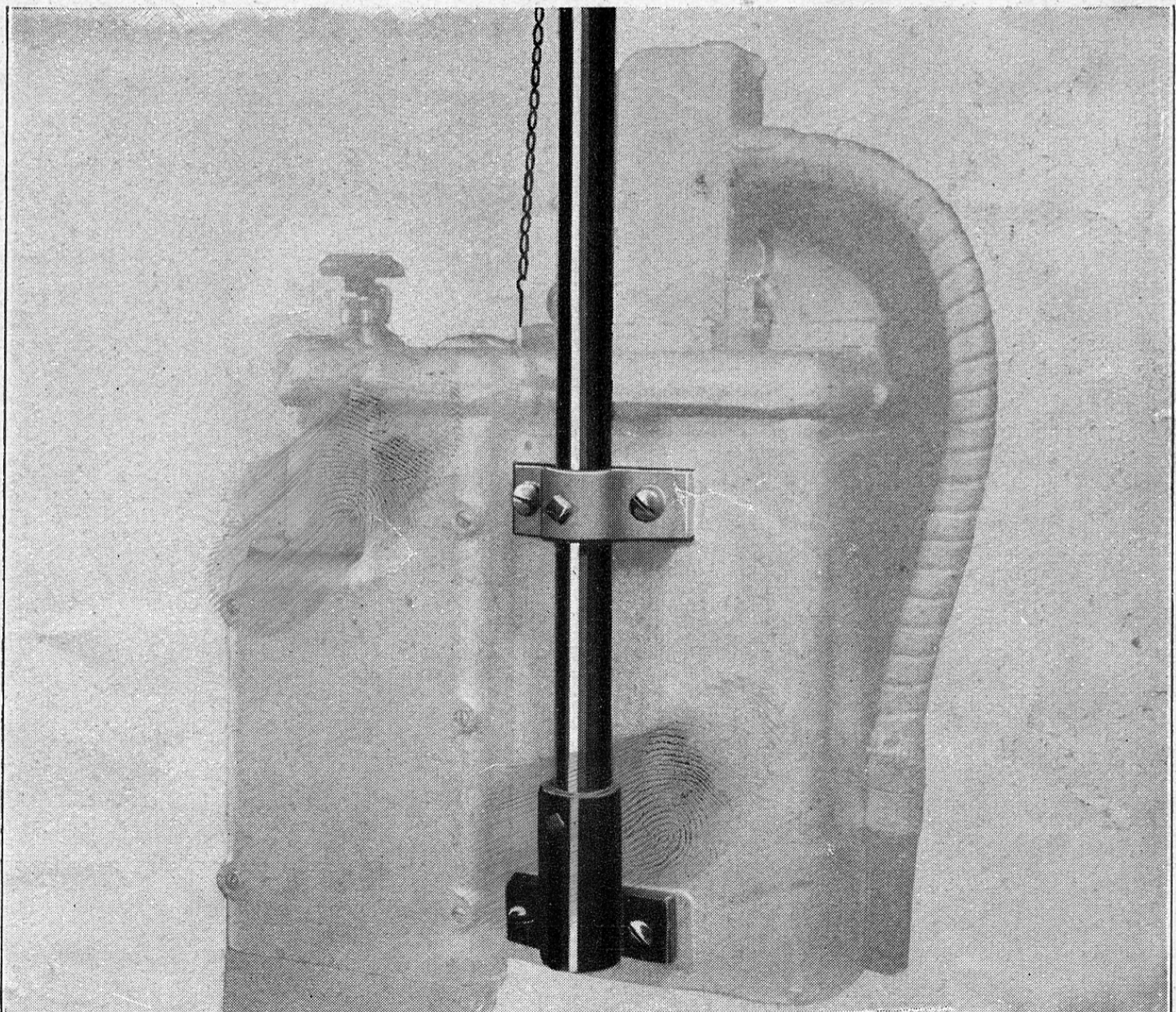


Fig. G

*Brackets applied to New Elrod Pot*

MARGACH AUTOMATIC METAL FEEDER



Fig. H

ELROD

# MARGACH AUTOMATIC METAL FEEDER

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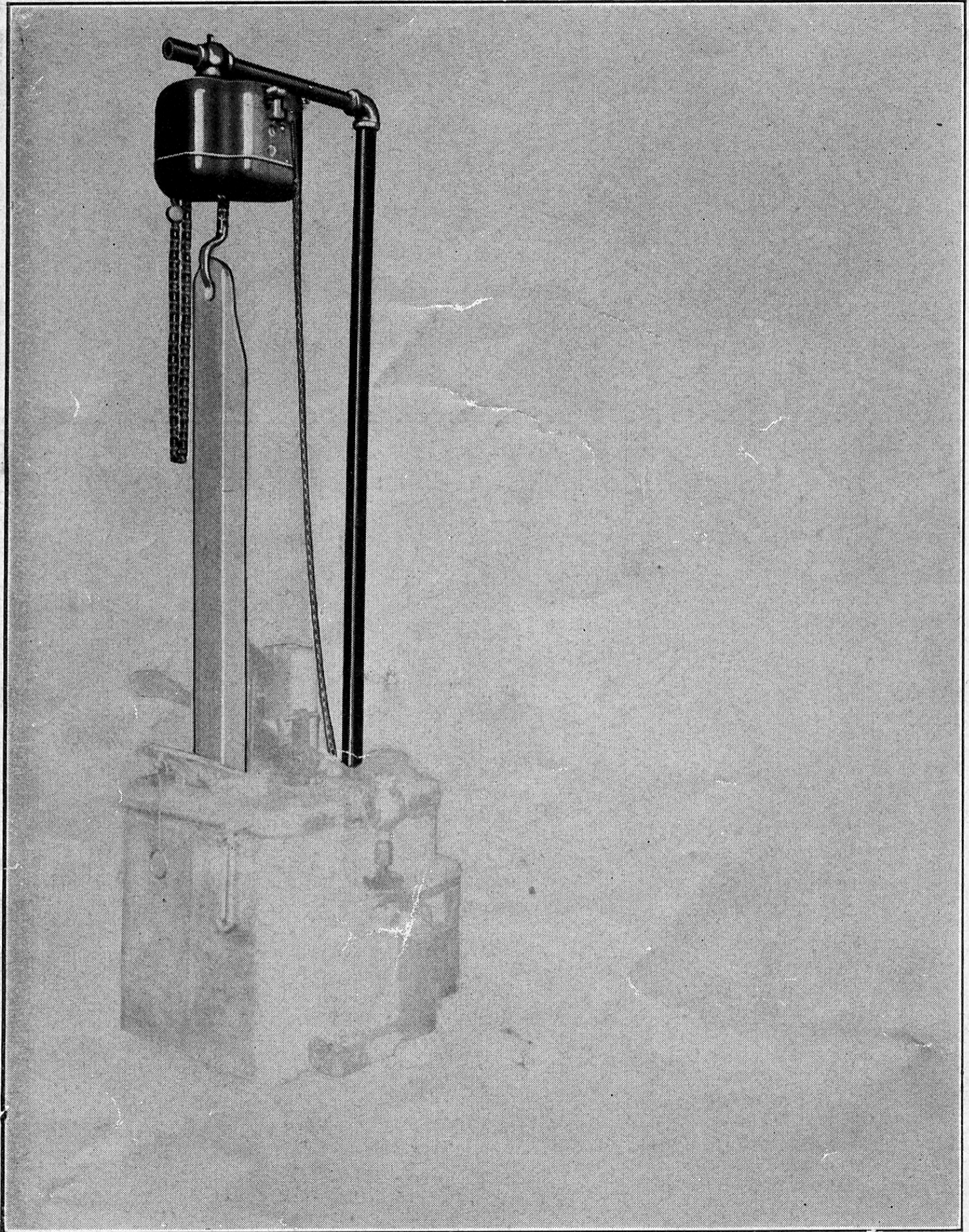


Fig. H

ELROD

"Instructions for Attaching MARGACH FEEDER for LUDLOW and ELROD."  
(NY: Margach Manufacturing Company, no date.)

This digital reprint is a composite document.  
It is not so much publishing as practical industrial archaeology.

The "original" is a photocopy generously made available  
by Schuyler Shipley of Skyline Type Foundry.  
It consists of a relatively good copy of the text page  
"Instructions for Attaching Margach Feeder to Ludlow and Elrod"  
and then three quite poor photocopies of illustrations.  
I was able to scan the text page, but as I did not wish to  
damage the booklet I could only take digital photographs of the  
other pages. The illustrations in them were, however,  
nearly illegible even when viewed in person.

Fortunately, the illustrations on these pages are the same  
ones used in the 12-page "Margach Automatic Metal Feeder:  
Instructions" booklet previously reprinted by CircuitousRoot.  
I have therefore added scans from this latter booklet after  
each of the digital photographs of the illustrations.  
The only difference between them is in the third page of  
illustrations ("ELROD"), which in this present version contains  
a note not in the 12-page "Instructions."  
(This note reads:

This pawl re-  
leases or stops  
feeding of pig,  
controlled by  
float resting in  
metal pot

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Thanks to Sky Shipley of Skyline Type Foundry  
[www.skylinetype.com](http://www.skylinetype.com)  
for making this available.

Thanks to Greg Fisher ("the Linofish") for making available the  
12-page "Instructions" booklet from which the secondary illustrations  
were taken.

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