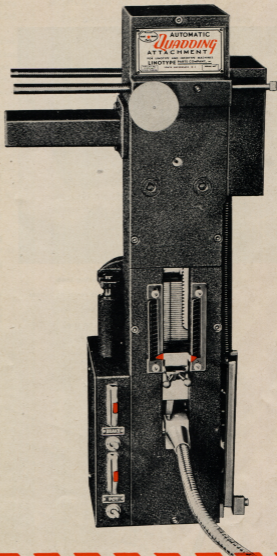


THE *Star* AUTOMATIC QUADDING ATTACHMENT



For existing
Linotype and
Intertype
Machines

LINOTYPE PARTS COMPANY, Inc.
SOUTH HACKENSACK NEW JERSEY

The advantages of automatic quadding or spacing on Linotype and Intertype Machines are apparent to most machine owners. Those who have actually used automatic spacing know the tremendous saving of composition time obtained by use of such devices in the setting of advertising matter, imprints, lists of various kinds, and directory work. Estimates of time saved in certain types of copy, run as high as forty percent.

RIISING COSTS MUST BE MET BY MODERNIZING EQUIPMENT

Composition cost has risen along with everything else, to a new high. It has become imperative for the publisher and printer, as in every other industry, to modernize his production methods, lest these rising costs consume his profits.

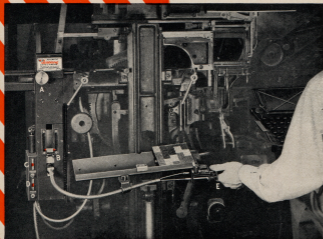
REPLACING SOUND EXISTING EQUIPMENT IS COSTLY

That is why so many printers and publishers have found it worthwhile to acquire new typesetting machines, even at the cost of six to eight thousand dollars—or more—for the sake of obtaining the great cost-cutting advantage of automatic spacing equipment with these machines. Many however, because of a desire to keep their assets in more liquid form, have been unwilling or unable to make such large investments. Or again, the amount of white space composition set on their machines was not great enough to warrant such a large outlay.

BRINGING AUTOMATIC SPACING TO YOUR PRESENT LINECASTING MACHINES AT REASONABLE COST

The *Star* Automatic Quadding Attachment, now introduced to the trade, is the answer to the demand for an attachment which could be placed on present machines, Linotype or Intertype, at reasonable cost.

Not only this, but the attachment is infinitely simpler



- A. Vise jaw adjusting knob
- B. Short measure centering buttons
- C. Pilot light (brake)
- D. Pilot light (pump stop)
- E. Main control buttons

With the exception of the Safety Electro Pump Stop, the *Star* Quadder is not an electrically operated mechanism. The signal lights underlined "BRAKE" and "POT", are used to show that the current is flowing through the two solenoids actuating the brake mechanism—and the pump stop lever, respectively.

than any other automatic spacing device, — has considerably fewer parts, and is installed without defacing the machine. This is a valuable feature, since it is thus possible to remove the quadder from one machine for use on another, if for any reason it becomes necessary. The machine from which the *Star* Quadder has been removed thus retains its full resale value and the *Star* Quadding Attachment owner loses no part of his investment in the quadder.

Unlike other quadders, it will be noted that the *Star* Quadding Attachment is away from the "squirt" area of the machine. No metal splash can affect the quadder mechanism.

Over a period of five years the inventors of this patented attachment developed it in the printing plant of the Pathé Industries in New York City, from a basic centering device to one that automatically spaces right, left and center. This accomplishes in fact, one additional operation not done on any other quadder. It can also center automatically on the *left hand side* of the slug.

Several of these units were placed on machines of various ages in New York trade plants. Out of the experience derived from practical use in all types of composition, LINOTYPE PARTS COMPANY, Inc. has perfected the attachment and now takes pride in offering it to the trade as a contribution in keeping with its tradition of Linotype improvement.

ATTACHED WITHOUT DRILLING OR TAPPING

The main portion of the *Star* Automatic Quadder is

attached to the left hand side of the vise, replacing the wedge adjustment mechanism. The few other small parts are attached to the machine by means of clamps. *No holes are drilled or tapped.*

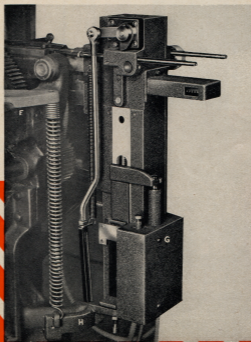
Instant disengagement of the quadder, when required, is secured by simply pulling buttons out. The machine need never be tied up because of any failure of the quadding mechanism, however remote this possibility may be.

MOTIVATION AND OPERATION

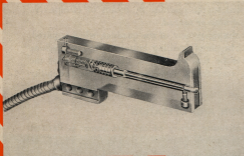
The motivating power of the attachment is derived from the movement of the vise closing lever. This lever operates through a train of gears and horizontal and vertical racks, to move the jaws through the various operations. Since this lever controls the movement of the vise jaws, the latter would normally follow to move in unison. The effect would be to have the right hand vise jaw close in on the line of matrices in the first elevator, return part way towards original position, then close in again for final lock-up on the line of matrices. A brake, however, has been provided to hold the vise jaws in position on the first justification. This brake serves also to lock the vise jaws against the matrices during the cast.

Pawls controlled by buttons engage the vertical rack bars at points selected by the operator on the scales, to move the vise jaws for right flush, left flush and centering operations, as the case may be. These buttons are conveniently located, as noted in picture.

- F. Upper Clamp Bracket
- G. Terminal Box
- H. Lower Clamp Bracket and Operating Lever



1700



Vise jaw and
Electro-Pump Stop

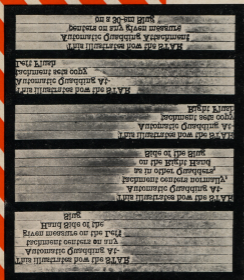
PATENTED ELECTRO-PUMP STOP MINIMIZES POSSIBILITY OF SQUIRTS

A simple, but ingenious safety device has been provided in the patented Electro-Pump Stop. When the line closes in the vise jaws, a button which is part of a switch, is compressed. This closes a switch which is connected through a cable with the solenoid on the pump stop bracket. The solenoid is thus actuated and through a connecting link, pulls the pump stop lever open, permitting the pump to operate for the cast.

Should the line for any reason, be loose in the jaws, by as little as .014", it will fail to actuate the switch and the line will not cast.

The *Star* Automatic Quadding Attachment bears the full guarantee of the LINOTYPE PARTS COMPANY, Inc. against any defect. Service men around the country are trained for both installation and service. However, once installation has been satisfactorily completed, few service calls are anticipated. Low maintenance cost is a vital factor.

**This figure will vary with the machine. An adjustment is provided.*



Left - Unretouched photograph of composition 30 ems wide

This illustrates how the STAR Automatic Quadding Attachment centers on any given measure on the Left Hand Side of the Slug

This illustrates how the STAR Automatic Quadding Attachment centers normally, as in other Quadders, on the Right Hand Side of the Slug

This illustrates how the STAR Automatic Quadding Attachment sets copy Right Flush

This illustrates how the STAR Automatic Quadding Attachment sets copy Left Flush

This illustrates how the STAR Automatic Quadding Attachment centers on any given measure on a 30-em Slug

Right - Reproduction proof - in some reduction

PRECISION
TRADE ★ MARK

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