

Fletcher

Product
Newsletter

J. H. Fletcher & Co.

HUNTINGTON, WEST VIRGINIA

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ATRS SYSTEMS WHAT IS REQUIRED?

With the promulgation of Title 30, Part 75.209, of the Code of Federal Regulations in January, 1988, the use of Automated Temporary Roof Supports (ATRS) finally became a federally mandated reality. Many areas of the country have already conformed to state regulations that are very similar to the final version of the federal statute. The basic requirement of the law is very simple. It states that no one may proceed beyond supported roof to set temporary supports. In order to conform to this requirement, the controls on a roof drill for setting temporary support and positioning the machine must be at least five (5) feet behind the drillhead. If the ATRS is mounted to the drilling unit, the controls for positioning the drillhead must also be at this location. No duplicate controls at a location closer to the face are allowed. The speed at which the machine may be positioned from this location must be limited to a maximum of eighty (80) feet per minute.

When the ATRS is positioned against the roof there are guidelines that describe its location with respect to the row of bolts that are currently being installed. In the case of a T-Bar, the back edge of the contact pads should be no more than twelve (12) inches in front of the drillhead or up to eighteen (18) inches if there is a possibility of mechanical interference when repositioning the drillhead.

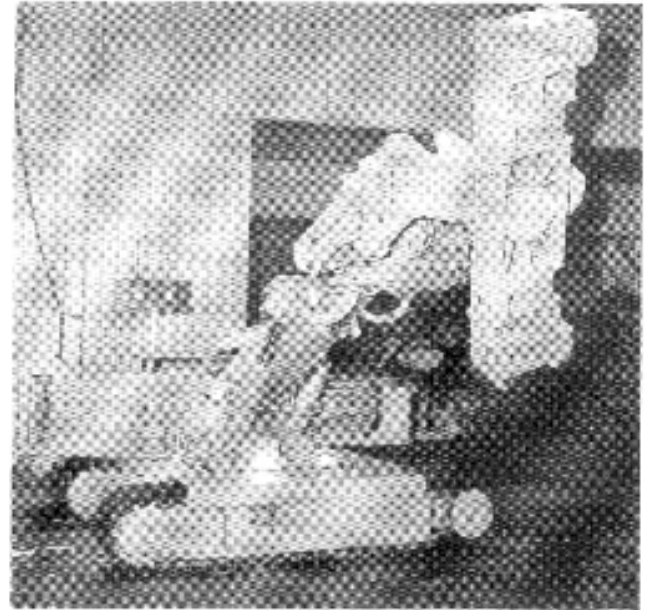
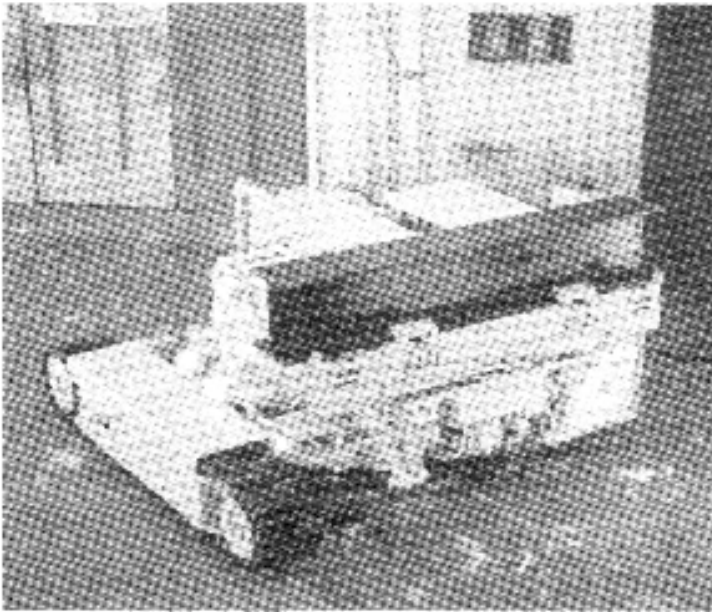
If the T-Bar is designed to support the entire entry, it must be long enough to contact the roof at a distance of no more than five (5) feet from each rib. If the bar has multiple contact pads the distance between them cannot exceed five (5) feet.

In the case of a single head machine where the ATRS system circles or straddles the drillhead, it should contact the roof at a point at least 15 inches in front of the center of the drillhead, and, as a general rule, the drilling controls must be at least thirty (30) inches behind the head to ensure that the operator is completely under supported roof. It should be noted that the figure of thirty (30) inches is a guideline for use only with single head machines or dual head units with ATRS attached to the drilling apparatus. This guideline does not, in any way, pertain to dual head machines with T-Bar ATRS systems.

Although MSHA has established the requirements for ATRS systems, they will not certify them or approve them as such. Certification of a ATRS system must be done by a registered professional engineer, usually an employee of the manufacturer of that system.

The ATRS system must, however, be incorporated into the mine roof control plan which is approved by MSHA. With this in mind, it should be noted that any certified ATRS may not be approved by MSHA to be used in every application. Before a system or a new machine is purchased, steps should be taken to ensure that it will conform to an approved roof control plan. Fletcher engineers are available, if necessary, to help coordinate the development of an acceptable ATRS system with representatives of MSHA.

Doug Hardman
Manager of Engineering



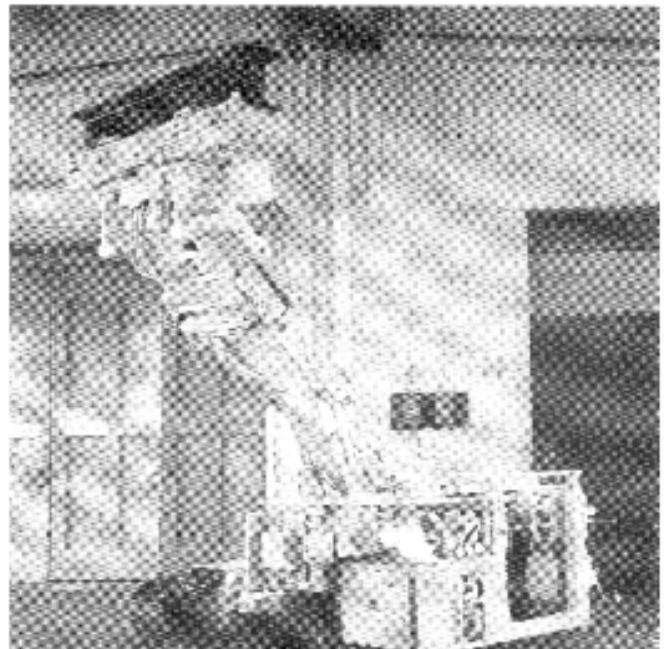
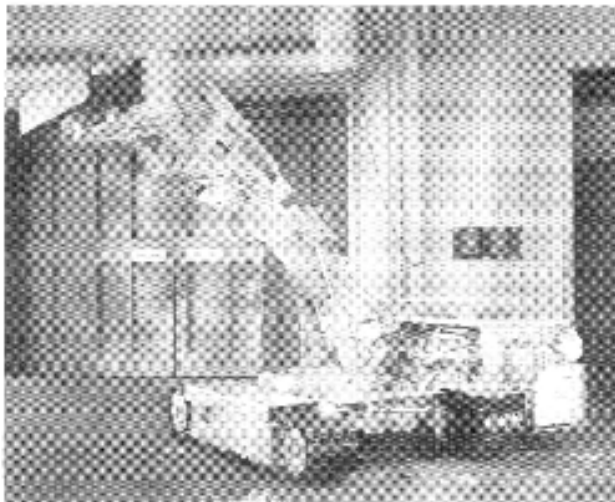
BEAM MANIPULATING MACHINE

Innovations in equipment design have always been a trademark of J.H. Fletcher & Co. Through customer suggestions we are able to design and produce equipment that meet the changing needs of the marketplace. One of those ideas, developed in conjunction with a customer need, has been the beam manipulating machine.

The beam manipulator is equipped with a boom that has the capabilities of picking up rails or beams from a sled or mine floor location. These beam setters can pick up "H" beams 12" x 14" x 30' with a weight limit of 3000 lbs. Once lifted the beam setter can swing and rotate the load into position, then roll-up the load (see pictures) to place the beam against the mine roof.

A stable base of operating the beam setter is provided through the crawler tram assembly. A tram cab is also provided on the left side of the machine to initiate place changes.

For further information about this equipment and others, please contact Bill Ellis or Bob Stach in our Sales Department.



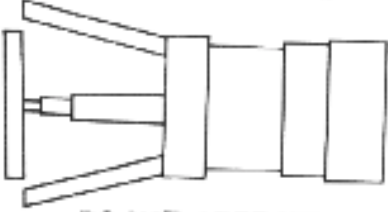
SAFETY NOTICE

The J.H. Fletcher & Co. Safety Department is pleased to announce a new product to help increase safety awareness on the job site...

In our continuing efforts for a safer work environment, we have created the posters displayed below. The actual size of the posters is 11" x 14" and, although it cannot be shown through this medium, key safety words and points appear in bright, eye-catching colors.

For ordering information, please contact our Service Department at (304) 525-7811, extension 209.

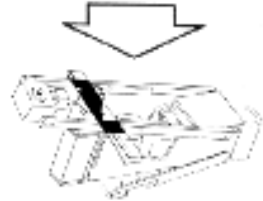
**PINCH POINTS
CAN CAUSE
INJURY**



**DO NOT OPERATE
ROOF BOLTING EQUIPMENT
WITHOUT GUARDS IN PLACE**

J.H. Fletcher & Co. PART NO. 159680

**SECURE
MOVING PARTS**
OF ROOF BOLTING EQUIPMENT
Before performing any Repair,
Maintenance, or Inspection in
THIS AREA



...FULLY LOWER OR SECURELY
BLOCK ALL MOVING PARTS &
DISCONNECT AND LOCK OUT
POWER.

J.H. Fletcher & Co. PART NO. 159681

STOP

**NEVER
STAND OR TRAVEL
BEYOND
SUPPORTED ROOF**

J.H. Fletcher & Co. PART NO. 159682

TRAMMING



NEVER operate any control
in the tramdeck unless you
are seated with **ENTIRE BODY
INSIDE!**

HANDS OFF!



NEVER
touch or hold onto a rotating
drillsteel, wrench, or bolt.

ALWAYS
use "Hands Off" drilling method.

STAY PUT



Remain seated and keep all
parts of body inside when
vehicle is moving.

POLICY STATEMENT APPROVALS AND CERTIFICATION OF REBUILT FLETCHER MACHINES

We recognize that Fletcher machines are, from time to time, rebuilt or modified either in a customer's facilities or in an independent rebuilders' facility.

A rebuild is defined as an extensive repair or overhaul procedure which returns the machine or a major component thereof to a "like new" condition. A modification is defined as a procedure which changes, in some way, the original design, composition, or manufacture of some component or subassembly within the machine.

Federal and state statutes require certain certifications and approvals with reference to safety related items. In addition, certain industry standards must be met. In order to maintain the validity of these certifications, approvals, and standards, the original design and component parts must be used.

J.H. Fletcher & Co. is unable to accept responsibility nor authorize official approvals and/or certifications on any Fletcher manufactured machine where that machine has been modified or rebuilt by any party other than a J.H. Fletcher & Co. or by Fletcher's authorized rebuild and modernization facility.

We will be willing to work with our customers to resolve any issues which may arise as a result of this policy.

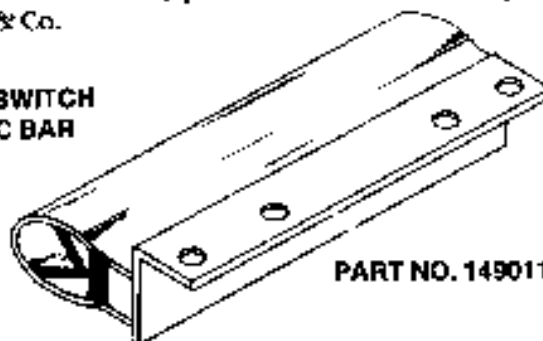
PANIC BAR

J.H. Fletcher & Co. now offers a new panic bar. The new panic bar, now being fitted to newer equipment, offers the following:

1. Improved sensitivity
2. Better mounting characteristics
3. Less change out time

Now through the development of pigments in rubber, we will be able to make the panic bar red, for added visibility. Immediate delivery is available for either 2 foot or 1 foot tape switches. For additional information, please call our Service Department at J.H. Fletcher & Co.

**TAPE SWITCH
PANIC BAR**



PART NO. 149011

The information contained in this newsletter has been obtained from sources believed to be reliable, and the editors have exercised reasonable care to assure its accuracy. However, J.H. Fletcher & Co. does not guarantee that contents of this publication are correct, and statements attributed to other sources do not necessarily reflect the opinion or position of J.H. Fletcher & Co.

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FREE SUBSCRIPTION FORM

Name _____ Job Title/Description _____
 Company _____ Address _____
 City _____ State _____ Zip _____
 Phone _____ **J.H. Fletcher & Co.**

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