Brief History of J.H. Fletcher

Proven Safety,
Reliability,
Productivity,
And the Lowest
"Total Cost of Ownership"
Fletcher designed and manufactured the first rubber tired haulage machine to operate in an Underground Mine, and introduced the use of Flameproof Electrical Components.
In conjunction with a company called A.L. Lee, Fletcher assisted in the development of the first shuttle cars.
After moving to Huntington, WV in the 1940’s, Fletcher’s main product line was the design and manufacture of Timbering Machines.
With the intention of reducing roof fall accidents, in 1947, (using pioneering work developed by W Weigel) the U.S. Bureau of Mines advocated the use of roof bolting technology.
Within two years some 200 mines employed this new roof support method. The Roof Bolting Industry was born.
With the rapid decline in the demand for timbering machines it was a natural progression for Fletcher to commence development of “Production Roof Bolting Machines”
Many of these developments are now incorporated into the US Mining Regulations.
J.H. Fletcher & Co have Introduced:
Improvement in Safety & Productivity of Roof Bolting in the USA, has always been linked to J.H. Fletcher & Co.

The Internal Dust Collection System 1950’s
1950’s

Developed and manufactured the first Dual Boom and 4-Head Roof Bolters

Improvement in Safety & Productivity of Roof Bolting in the USA, has always been linked to J.H. Fletcher & Co.
Improvement in Safety & Productivity of Roof Bolting in the USA, has always been linked to J.H. Fletcher & Co.

The Introduction of Operator Protection Canopies

1960’s
Invented and Patented the Automated Temporary Roof Support System (ATRS)
Developed and Manufactured the first Dual Boom and 4-Head Roof Bolters

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The “Walk-Thru” Chassis

1980’s
J.H. Fletcher & Co. is the world’s largest manufacturer of Production Roof Bolting machines.

Fletcher’s leading position is largely contributed to its dedication to after-sales service.

Fletcher machines are custom designed to meet specific needs.
Fletcher Roof Bolters

Low to Medium Machines to work in seams

As low as 26” (0.8 m)

up to

8 ft (2.4 m)
Center “Walk-Thru” design protects the operators from the dangers of the side-walls.
Fletcher Roof Bolters

High to Medium Seam Machines - up to 19.5ft (6m)
“Quad-Ranger” Bolter

- 4-Head Mast Feed Roof Bolter.
- Uses proven Fletcher components.
- Walk-Thru’ chassis design.
- Provides ergonomically appealing operators platform.
- Optional Feedback drilling System.
- Optional Materials Handling System.
Remote Roof Bolter
Control Booth with Roof Mapping Real Time Display
Roof Mapping Real Time Display

Depicts relative material hardness

Depicts voids or separations

Displays Service Manuals, Parts Books, & Operator’s Manuals
Permissible diesel with man in position control for maximum hardware installation flexibility
Auto Bolter
Scalers

50’ reach
3224 AD Scaling Vehicle

- Max working height to 24 ft.
- Interchangeable Head
  - Cutter Head
  - Hammer
GOAD (Graphic Operator Angle Display)
Shows precise hole alignment
Calculates drill depth
Retracts drill at proper depth.
Diesel Permissible Drill Jumbo
Powder Loader
Mobile Roof Supports
MRS Mechanization of Retreat Pillar Mining
MOBILE ROOF SUPPORTS

- J.H Fletcher & Co. began producing MRS units in 1988. To date some 270 units have been manufactured.
- ALL Fletcher MRS units are still in service.
- High Capacity units support 800 tons (726 tonnes) each.
- Depending on the model selected, machine heights are from 32” (820mm) up to 16.4’ (5.0m).
16’ Reach System with tilt chassis
## 800 Ton MRS Range

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<th>Collapsed Ht</th>
<th>Leg Stages</th>
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Special Purpose
Fletcher Long Hole Drill
Fletcher Long Hole Drill

Special Purpose Production Machines

LHD De-Gas Drills
High Thrust Drilling Equipment

In the 1970’s the maximum thrust of an LHD was approx 20,000 lbs (9.1 tonnes).

Modern machines with higher operating pressures now exceed thrusts of 50,000 lbs (22.7 tonnes), and a torque of 3000 Nm. These units are supplied with a heavy duty brake to prevent any drill steel rotation when a “downhole motor” is being used.
22,700 kg thrust LHD on skid frame with removable dolly wheels
Rod trailer with water pump and survey tool storage boxes
22,700 kg thrust, 1.5 meter feed length, high angle skid mounted LHD with tender car
Fletcher Roof Bolters

Special Purpose Production Machines

Pan Line Bolter
Model DR-D diesel utility bolter
Fletcher Roof Bolters

Diesel Utility Bolter

Special Purpose Production Machines
Beamsetter/Facedrill
Beam Setter with Platform
Prime Mover Tow Vehicle
J.H. Fletcher & Co. has been designing and building roof control equipment for over 70 years.

Fletcher welcomes the opportunity to work with the Mining Industry in providing them with their roof bolting needs.
Visit us at www.jhfletcher.com for product information, newsletters, and more.
“Our goal is to manufacture equipment for underground mining that increases safety and production through engineering innovation, quality control, experienced service and ownership stability”

- J. Robert Fletcher
Chairman

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