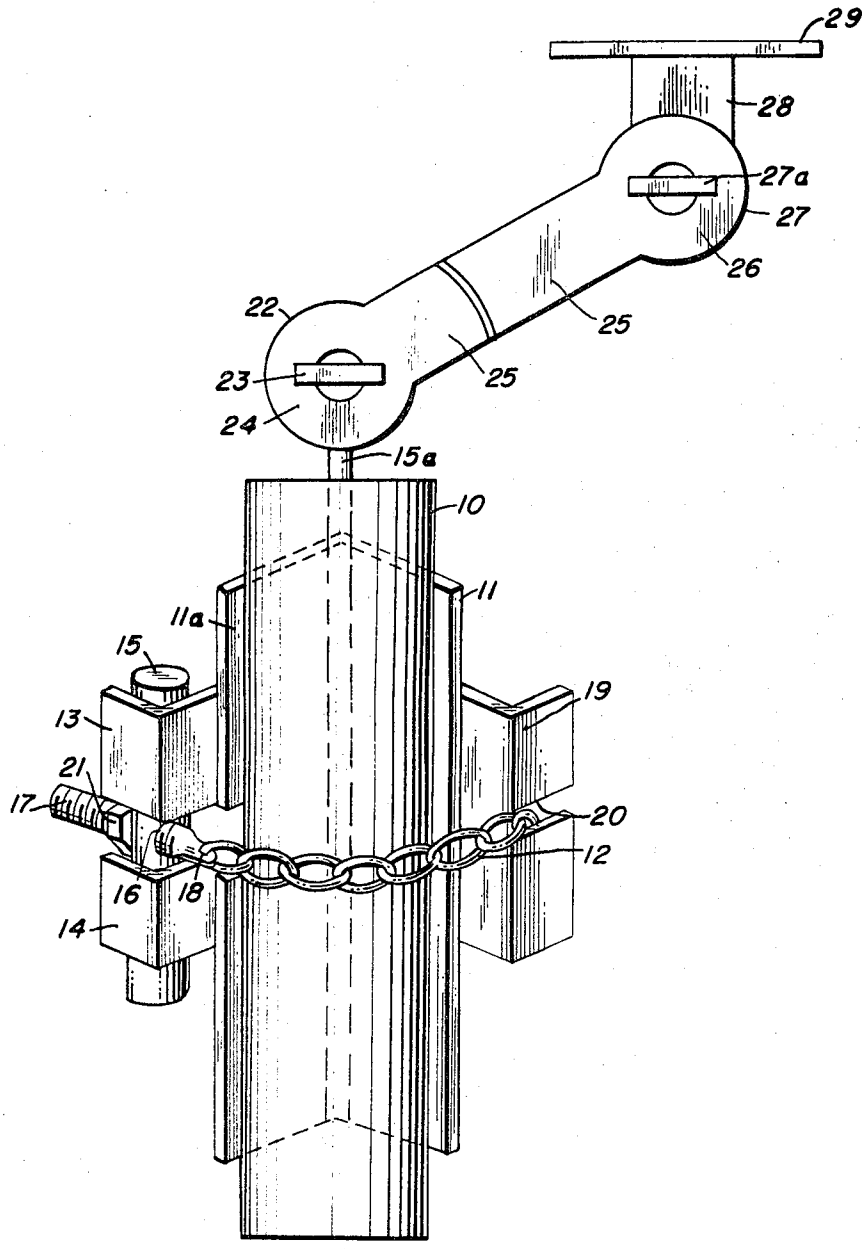
Sept. 24, 1968 J. F. GILL 3,402,908

BASE FOR SUPPORTING DRILL PRESSES ON COLUMNS

Filed July 18, 1966



INVENTOR.

JOHN F. GILL

United States Patent Office 3,402,908 Patented Sept. 24, 1968

3,402,908

BASE FOR SUPPORTING DRILL PRESSES ON COLUMNS

John F. Gill, 1255 Fairlane Ave., Brookfield, Wis. 53005

Filed July 18, 1966, Ser. No. 566,448
2 Claims. (Cl. 248—231)

ABSTRACT OF THE DISCLOSURE

A portable base support adapted for engagement with the vertical portions of a tubular scaffold including a vertical angle iron adapted to lodge against the tubular member, a chain element fixed by one end to the angle iron and utilized to embrace said tubular member, and adjusting means for tightening said chain.

This invention relates to improvements in base supports, and more particularly to a novel base for supporting drill presses on columns such as tubular scaffolds or the like.

During construction work it is often necessary to use a tool or other instrumentality requiring a stable support such as a drill press, and there is commonly no convenient place or means of securing such a tool. Also in construction work, the use of tubular scaffolding is very common, and it is the object of the present invention to provide a convenient and efficient base support for a drill press or the like which will be stable when releasably secured to a column of a tubular scaffold. A further object of the invention is to provide a vertical angle member as a base to be lodged against a vertical member of a construction scaffold, with a chain element secured to adjustable means by one end for tightening said chain, the latter being passed about said vertical scaffold member with its opposite or free end being releasably held in a notch in a member secured to said vertical angle base member.

Other and further objects of the invention will appear as the description proceeds, reference being had to the accompanying drawing, in which:

The drawing is a view in perspective of a base for supporting drill presses on columns, a portion of a column on which it is mounted being shown in elevation.

Referring more particularly to the drawing, the numeral **10** refers to a vertical column as in a tubular scaffold assembly. A heavy angle iron **11** is lodged against the column **10** and held in place by means of the chain element **12**.

A pair of relatively smaller angle iron members **13** and **14** are brazed or otherwise secured to and project beyond one segment of the angle iron **11** on the outside thereof, and serve as keepers for the solid shaft member **15** which is bored at **16** to accommodate the threaded element **17** which is engaged at one end **18** with the chain **12**. On the opposite segment of the angle iron **11** is a relatively small

angle iron **19** disposed on the outer face of said segment and notched at **20** to facilitate binding of the chain **12** therein. The threaded element **17** is provided with a nut **21** which may be taken up to releasably secure the angle iron **11** on the vertical column **10** by increase to maximum tension of the chain element **12** as it embraces the column **10**. A bar **15***a* extends upwardly from the back of the angle iron **11** integral at its upper end with a knurled stationary member **22** secured by releasable means **23** to a similar knurled element **24** on an end of member **25**.

On the opposite end of member **25**, a similar knurled element **26** is releasably fixed to knurled element **27** which latter is affixed to standard **28** provided with the base **29** for a drill press or the like.

It will be understood that the device is capable of many modifications in structure and design, without departing from the spirit of the invention, within the scope of the appended claims.

Having thus described the invention, what is claimed and desired to be secured by Letters Patent of the United States is:

1. A portable releasable base support comprising a length of angle iron adapted to be lodged against a column of a tubular scaffold, a chain element for embracing said column, a pair of angle irons, smaller than said first mentioned angle iron spaced exteriorly on one segment of said larger angle iron, a solid cylindrical element normally held within said smaller angle irons the latter being keepers therefor, another angle iron disposed centrally and exteriorly of the other segment of said first mentioned angle iron having a central notch therein registering with a like notch in said first mentioned angle iron segment, a threaded element passed through a transverse bore in said solid cylindrical element and attached by one end to said chain element, the free end of said chain element being adapted to the aforementioned notches, and a nut on said threaded element for drawing up the chain about a column.

2. A device as in claim **1** having an upstanding element above and fixed to said large angle iron, a knurled circular portion fixed at the top of said upstanding element, a second circular knurled portion releasably fixed by threaded means thereto, an arm integral with said second circular knurled portion, and means at the free end of said arm for releasably adjustably securing the base of a drill press.

References Cited

UNITED STATES PATENTS

1,231,635	7/1917	Nelson	248—284 X
2,848,117	8/1958	Miller	211—107
3,241,800	3/1966	Richter	248—221 X

CHANCELLOR E. HARRIS, *Primary Examiner.*