

Nothing Cheap About "Universal" Except Price

For
Tool Makers
Machinists
Assemblers
Model Makers
Metal Pattern
Makers
Automobile Repair
Work, Etc.

"The Iron Hand"

SIZES AND PRICES
New Improved Tool Makers' and
Metal Workers' Universal Vises

| Vise No. | Size of Jaw | Opens | Weight | Price |
|----------|-------------|-------|----------|--------------------------|
| 4a | 4 in. | 6 in. | 100 lbs. | 330.00 450.00 |
| 6a | 3 in. | 5 in. | 55 lbs. | 25.00 35.00 |

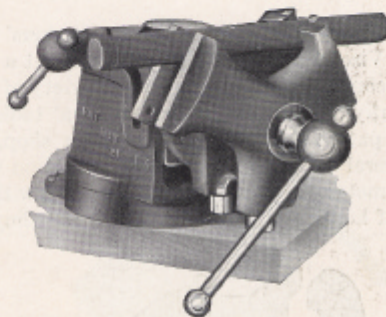
"Universal" Vises are Guaranteed

The Final Word—Perfect Service

The "Iron Hand" In Vise Construction

UNIVERSAL VISES

FOR
Tool Makers'--Metal Workers'



Natural Position

The Acme of Success

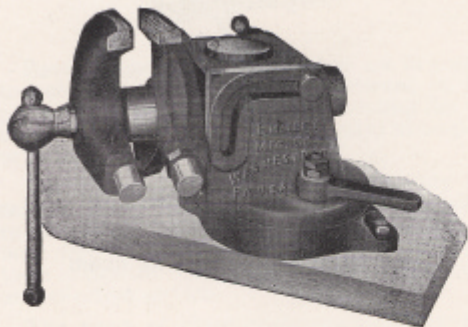
Indispensable in the Tool Room

EMMERT MFG. CO.
WAYNESBORO, PENNA., U.S.A.

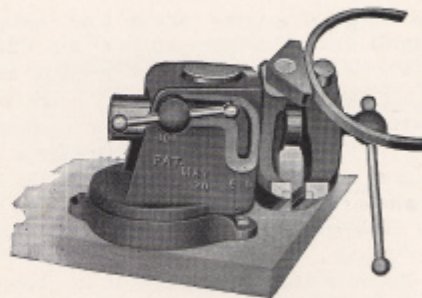
The Emmert Improved Tool Makers' & Metal Workers' Universal Vises

GENERAL DESCRIPTION

The Toolmakers' and Metal Workers' Universal Vise stands in service also without a peer, and accommodates itself to every variety of work ordinarily found connected with a toolroom, metal pattern department, machine shop, and all general variety repair and construction work. These metal workers' vises are provided with five pairs of holding jaws, viz., one pair for filing and



Natural Position



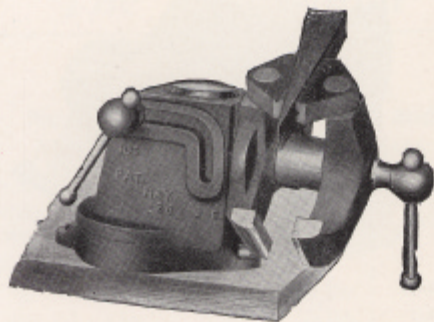
Vise in Position to Show Use of Round
Jaws Holding Large Rings

fitting; one for round or finish work; one for rings; segments, hollow parts, or irregular shapes; one for tapers, round or square, and for smaller metal rods; one for holding cylinders, etc. Three of these jaws are shaped on the vise head, any pair of which may be brought into service singly or together in pairs. Thus when using a three inch jaw for metal work it is just as easy to have the service of a six inch or seven inch jaw by placing the article to be held between two pairs of jaws turned to the position sought and allowing the article held to rest on the vise beam between the jaws. Thus held, all the strength of the double jaw holdings is brought to bear unitedly against the vise block.

Try a "Universal" and be Convinced

In the same way a four inch (4A) jaw vise may be turned at once to the service of an eight or nine inch jaw capacity, a 6A to a six or seven inch holding of segments, heavy wheels, rims, etc., in any required position for convenient work.

The round shaped or pivotal jaws are at the same time unique in their varied applications, in that wherein they may be adapted for holding many different things. Properly, they have been denominated the "Variety Jaws." When the triangular shaped taper jaws are placed in position on the pivoted jaws, it is then that their



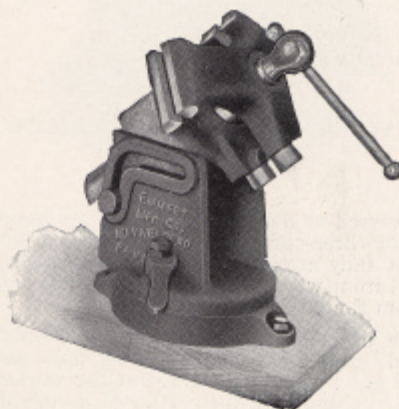
Vise in Position to Hold Tapered Work
of All Description

The "Universal" is Economical and Practical

The "Iron Hand" in Vise Construction

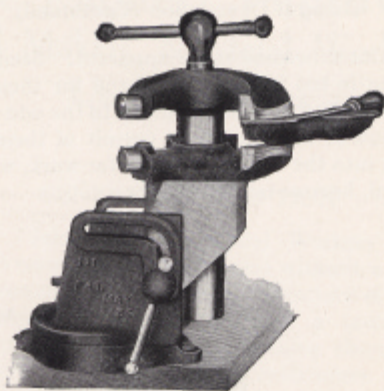
General Description (Continued)

varied uses become more apparent. Seemingly, nothing is too irregular in shape for these jaws to hold. They readily conform to the odd shapes held and at the same time permit of their being swung into the desired position for work, whether vertical, horizontal, or angular.



Vise at Angle: One of the Most Convenient
Positions for the Tool Maker and
Impossible to Obtain in Any
Other Vise On the Market

The Peer of All Machinists' Vises



Vise in Upright Position. Adaptable to All Heights

Reversed on a single pivot they are in position to hold three-cornered pieces; reversed on both pivots, they are in position for bending flat bars of soft iron (within the jaw capacity) at angles to or from the operator.

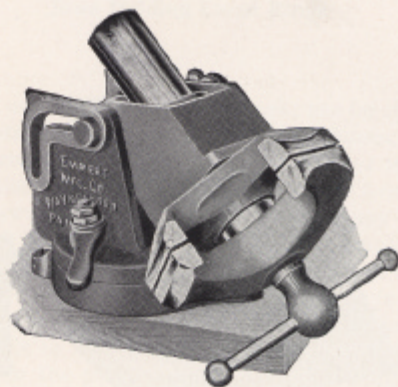
The users of these tools are not only fully served in all varied conditions and positions called out by variety work, but the worker is at once delighted with the matter of having at hand tools so like the human hand in action for prompt and effective service.

The users of these tools unanimously agree that they are indispensable in every factory where machinery and the keeping of it in repair is a consideration.

Wood and metal pattern makers, model makers, tool makers, machinists, and all general automobile repair men are likewise enthused with their profitable operations and service, which service they unite in commending to others who have as yet not become acquainted with the uses and advantages of these tools.

It is called the "Emmert Universal" because it is **universally practical, universally convenient, universally economical, and universally satisfactory** in service.

Some call it the "Iron Hand;" others "The Acrobat;" still others the "Inhuman Human Hand." Try one. The service is always there.



Vise at An Angle to Bring Work in a Position to Be Worked On With Convenience to the Worker