

[54] **SIDING, JOINT AND END HAND BREAK**
 [76] Inventor: **Edward J. Santhony**, 2069 E. Tatham Rd., Saginaw, Mich. 48601
 [22] Filed: **Nov. 27, 1972**
 [21] Appl. No.: **309,897**

927,653 7/1909 Heckman..... 72/479
 562,877 6/1896 Wittebolle 72/310

Primary Examiner—Charles W. Lanham
Assistant Examiner—Robert M. Rogers

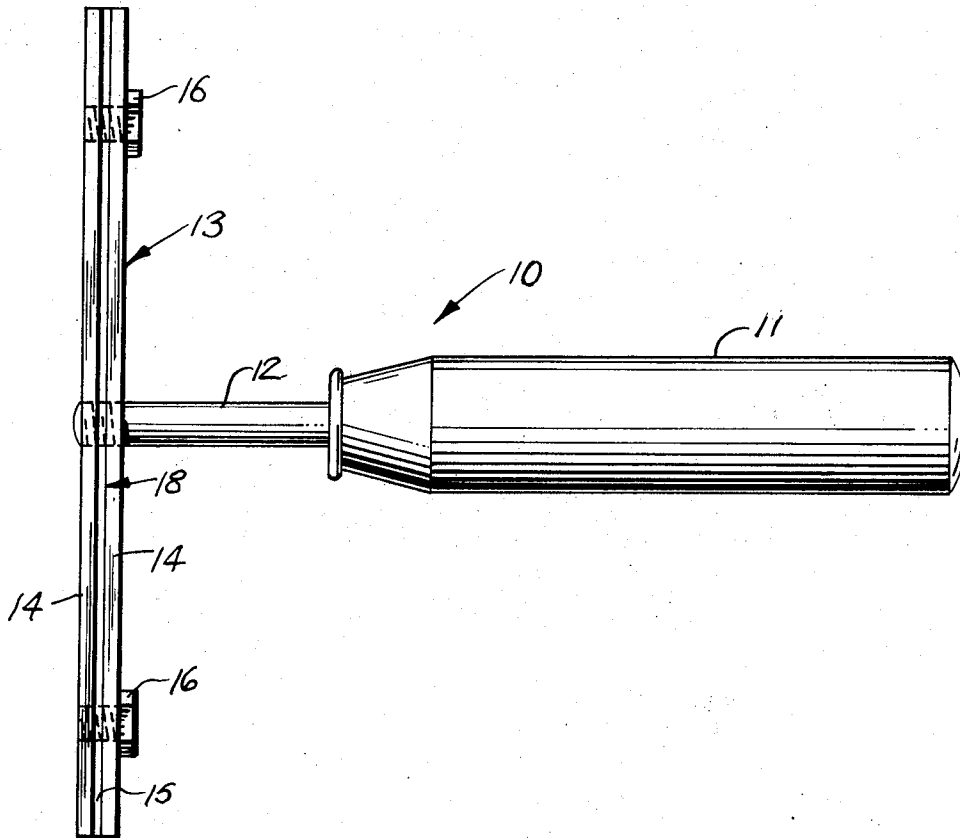
[52] **U.S. Cl.** 72/479
 [51] **Int. Cl.** **B21j 13/02**
 [58] **Field of Search**..... 72/479, 310, 319

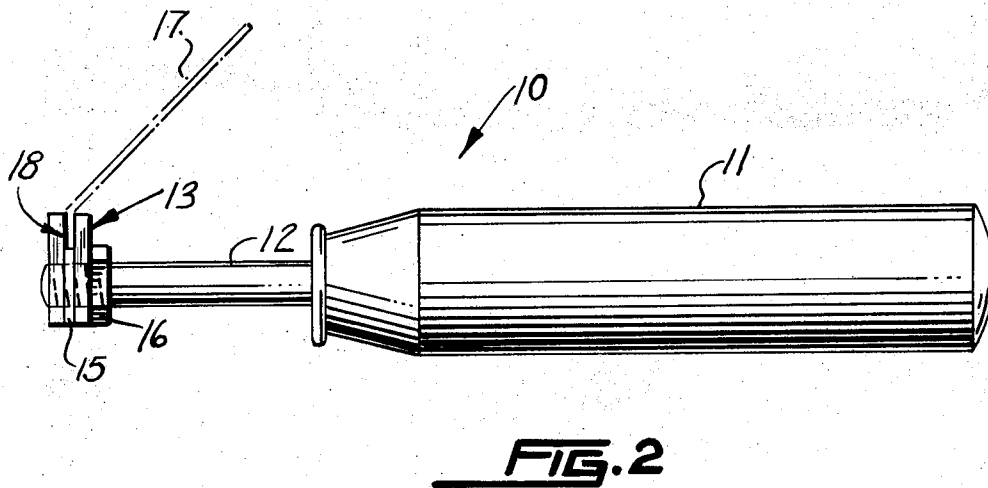
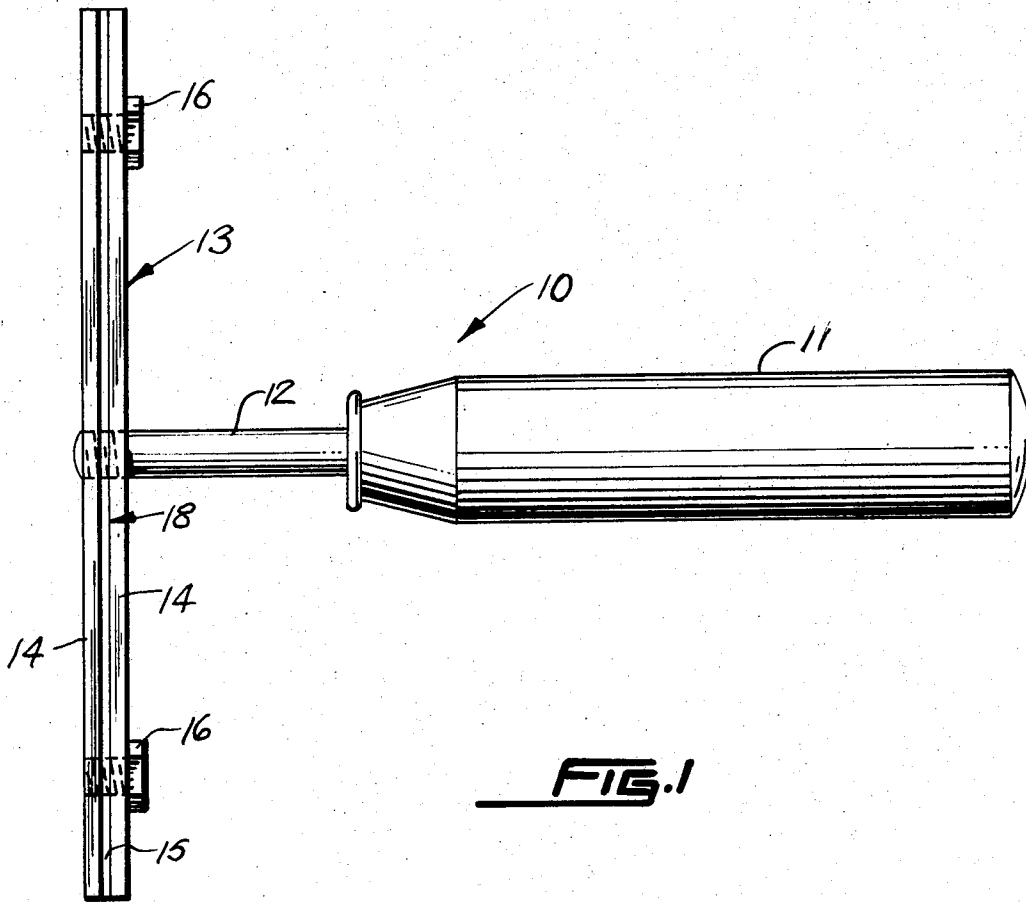
[57] **ABSTRACT**

A tool for manually bending material. This device consists primarily of a handle with a threaded shank portion being terminated by a pair of spaced bars, the bars serving as bending brake means for sheet metal.

[56] **References Cited**
UNITED STATES PATENTS
 118,090 8/1871 Yaeschel 72/310

2 Claims, 2 Drawing Figures





SIDING, JOINT AND END HAND BREAK

This invention relates to bending brakes, and more particularly to a manually operated hand brake.

It is therefore the principal object of this invention to provide a hand brake which will effectively bend sheet metal.

Another object of this invention is to provide a hand brake which will have a head portion consisting of spaced apart bars which when carried by the handle, may be used to bend or crimp sheet metal, the device taking the place of the use of a backer piece.

A further object of this invention is to provide a hand brake of the type described, which may be used at the corners of material and the use of the device will be economical to the contract and customer.

Other objects of the present invention are to provide a hand brake which is simple in design, inexpensive to manufacture, rugged in construction, easy to use and efficient in operation.

These and other objects will be readily evident upon a study of the following specification and the accompanying drawing wherein:

FIG. 1 is a plan view of the present invention; and

FIG. 2 is a side view of FIG. 1 shown in elevation with a piece of metal partially bent and shown in phantom lines.

According to this invention, a hand brake 10 is shown to consist of a handle grip 11 having an end shank portion 12 which is readily received within the center portion of the head 13. The head 13 consists of a pair of parallel spaced and rectangular configured metal bars 14 which are spaced by means of a spacer

bar 15. The bars 14 and the spacer member 15 are secured near their outer end extremities, by means of threaded bolt fasteners 16 thus forming a rigid head 13 for bending the metal 17.

In use, the hand held sheet metal 17 is placed within the slot 18 of the head 13 and the user pivots the handle 11 and thus bends the sheet metal 17.

What I claim is:

1. A hand brake device, comprising a handle grip with a threaded shank portion for engaging a head comprised of a flat and rectangular configured bars and a spacer means between said bars for forming a slot for receiving an edge of a material to be bent, bolt fastener means carried by said head providing a means for forming a rigid structure so as to forceably bend said edge, said shank portion of said handle grip being threadingly carried within a threaded opening through a center of said bars and said spacer means, said spacer means serving to define said slot which extends from end to end of said head, said slot freely receiving said edge of a sheet metal to be formed.

2. A combination according to claim 1 wherein said slot of said head extends from one end of said head to the other and defines surface means for holding a longitudinal edge of said material so that said material may be bent over one longitudinal edge of one of said bars which are parallel spaced apart, the action being performed by the user by holding said metal in one hand and pivoting said handle with the other hand to best manually bend said material.

* * * * *

35

40

45

50

55

60

65