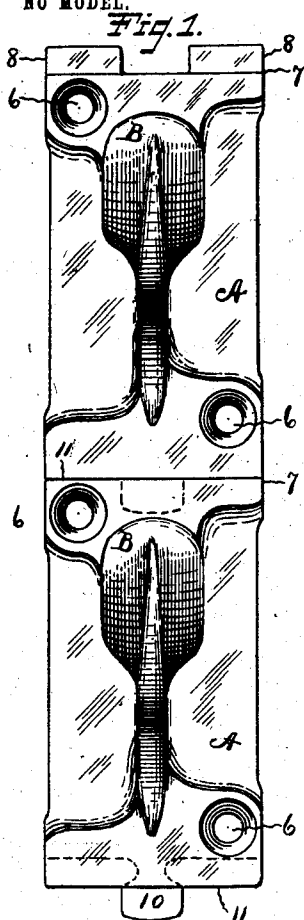
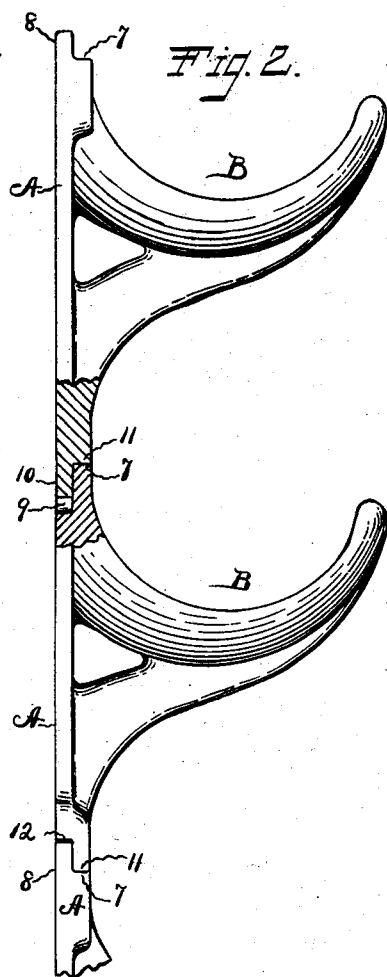
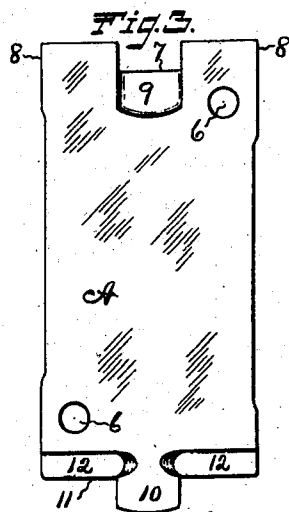
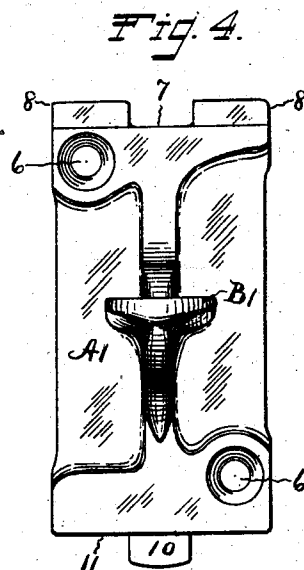
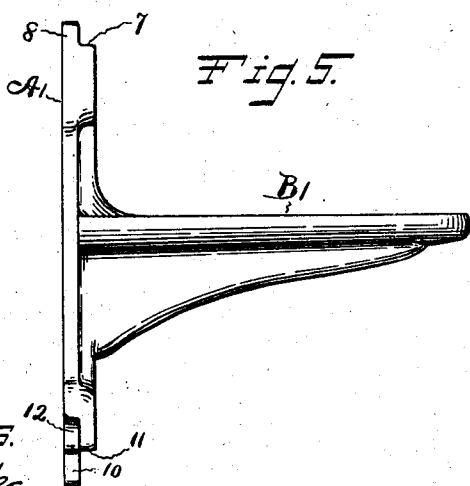


A. J. BEATON.
BRACKET FOR STEAM PIPES.
APPLICATION FILED MAR. 20, 1903.

NO MODEL.



Witnesses.

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UNITED STATES PATENT OFFICE.

ALLAN J. BEATON, OF NEW BRITAIN, CONNECTICUT.

BRACKET FOR STEAM-PIPES.

SPECIFICATION forming part of Letters Patent No. 746,269, dated December 8, 1903.

Application filed March 20, 1903. Serial No. 148,726. (No model.)

To all whom it may concern:

Be it known that I, ALLAN J. BEATON, a citizen of the United States, residing at New Britain, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Brackets for Steam-Pipes, of which the following is a specification.

My invention relates to improvements in brackets for steam-pipes; and the main object of my improvement is to produce a sectional set of brackets for holding any desired number of pipes.

In the accompanying drawings, Figure 1 is a front elevation of two of my brackets placed together. Fig. 2 is a sectional side elevation of the same, together with a portion of a third bracket. Fig. 3 is a rear elevation of one of my said brackets. Fig. 4 is a front elevation of one of my said brackets with a straight instead of a curved bracket-arm. Fig. 5 is a side elevation of the same.

Each separate bracket consists of a plate A and bracket-arm B. Two or more of these brackets are united to make a sectional set of brackets for supporting any desired number of pipes. The plates A are provided with any desired number of screw-holes 6 for use in securing the brackets to the wall by screws. The upper end 7 of each plate A is provided with lips 8 8, projecting above the said upper edge, so as to form, in connection with the said edge, a rabbet extending across the plate at the said upper end. At the middle portion of the plate at the said upper edge on the rear of the plate is a mortise 9, that extends below the said upper edge, as shown in Figs. 2 and 3. The lower end of each plate is provided with a tenon 10 of less thickness than the complete thickness of the plate at its lower edge 11, so as to form, in connection with the said lower edge, a rabbet on the front of the said tenon, the rear face of the tenon being in the plane of the rear face of the plate. At the rear of the plate just above the said lower edge is a rabbet 12 on each side of the tenon 10, as shown and as indicated by broken lines at the lower part of Fig. 1. The bracket-arm B of Figs. 1 and 2 is of a hooked form to receive and hold an ordinary steam-pipe.

Any desired number of these brackets can be screwed to the wall or other support with

their ends interlocked, as shown in Figs. 1 and 2. The several brackets in each set are held in vertical alinement one over the other by the tenons 10 at the lower end of each plate, which tenon extends into the mortise 9 between the lips 8 8. In addition to this each plate assists in holding the adjacent end of the adjoining plate on its support by reason of the overlapping ends. The tenon 10 at the lower end of one plate extends downwardly in the rear of a portion of the plate just below said lower end, as indicated by broken lines at the middle portion of Fig. 1 and as shown in the sectional portion of Fig. 2, (the plane of which section is vertical through the middle of Fig. 1,) so that any strain tending to pull off the upper plate is exerted on the plate behind which the said tenon extends and the pull is on both plates together instead of on either one alone. In like manner any strain tending to pull off the upper end of a plate is transmitted through the lips 8 8 in the rabbets 12 to the lower end of the plate adjoining the said upper end, so that both plates pull together.

In Figs. 4 and 5 the plates A' are substantially the same as the plates A, excepting as to the bracket-arms B', which are straight instead of curved for use in positions where the pipes run at right angles to the pipes on the hooked brackets. The arms are made straight to allow for expansion of the pipes. The interlocking or overlapping parts of the plates A' are substantially the same as in Figs. 1, 2, and 3 and are given the same reference-numerals.

Heretofore it has been customary to make similar bracket-arms for supporting steam-pipes with each set of arms on a single plate, the plates being made of varying lengths, according to the different number of arms on one plate.

It is apparent that some changes from the specific construction herein disclosed may be made, and therefore I do not wish to be understood as limiting myself to the precise form of construction shown and described, but desiring the liberty to make such changes in working my invention as may fairly come within the spirit and scope of the same.

I claim as my invention—

1. A sectional set of brackets for steam-

pipes, each consisting of a bracket-arm and plate provided with screw-holes for securing to the wall by screws, the upper and lower ends of the said plates being provided with interlocking devices, whereby each bracket-plate in the set is secured to the wall by its own screws and the plates so secured are connected together by the interlocking devices.

2. A sectional set of brackets, each consisting of a plate and bracket-arm, the ends of the said plates being provided with interlocking devices to hold them in alinement one over the other, and with overlapping devices

for transmitting a pulling strain on one plate to the adjacent plate.

3. A bracket for steam-pipes, consisting of a plate and bracket-arm, one end of the said plate being provided with the lips and mortise, and the other end of the said plate being provided with the rabbets and tenon for interlocking with the ends of like plates.

ALLAN J. BEATON.

Witnesses:

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