

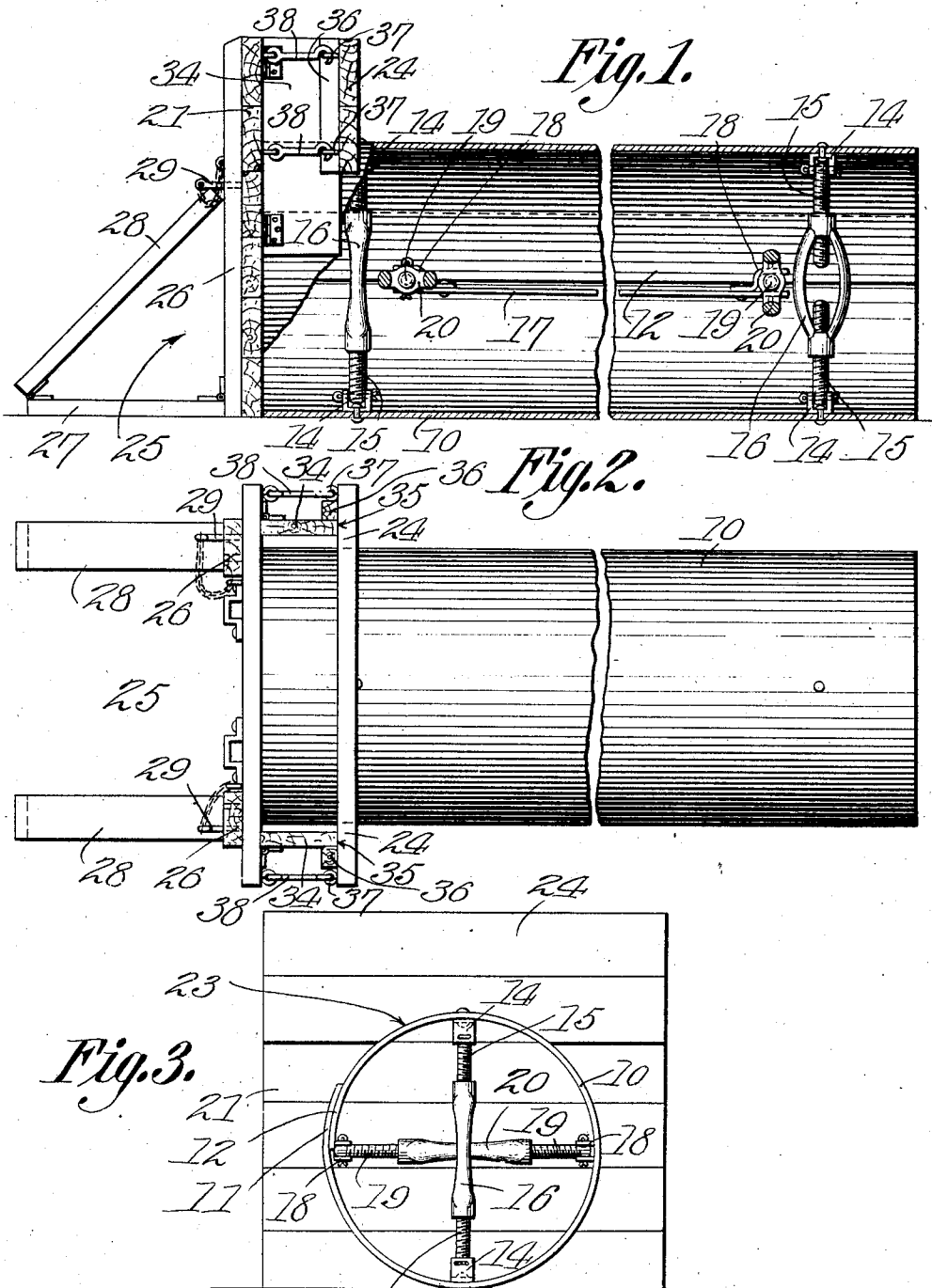
F. P. MARTIN.

MOLD.

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1,048,087.

Patented Dec. 24, 1912.



Witnesses

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FRANK P. MARTIN, OF WILLIAMSBURG, KANSAS.

MOLD.

1,048,087.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, FRANK P. MARTIN, a citizen of the United States, residing at Williamsburg, in the county of Franklin and State of Kansas, have invented a new and useful Mold, of which the following is a specification.

This invention relates to improvement in collapsible pipe molds and is designed to improve such molds as that illustrated in my former Patent No. 1,006,248, granted October 17th, 1911.

The primary object of the present invention is to provide a yielding tubular member for the formation of culverts and like structures made from plastic material.

A further object of this invention is to provide means to be used in conjunction with said molds for forming the retainers for the grade which extend at right angles to and above the molded culvert.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed can be made within the scope of what is claimed, without departing from the spirit of my invention.

In the drawings, forming a part of this specification:—Figure 1 is a longitudinal section. Fig. 2 a top plan view, and Fig. 3 an end elevation.

In the drawings, 10 designates a tubular member formed of a single piece of resilient material its longitudinal edges 11 and 12 being overlapped in order that the diameter of the member may be increased or diminished. A plurality of brackets 14 are supported adjacent each terminal of the tubular member and disposed interiorly of the same, the brackets being bolted or otherwise rigidly secured to the member. Each of these brackets pivotally supports the screw threaded bar 15, the screw threaded bars of each pair of brackets being received by the turn buckle 16, it being noted that the turn buckles are positioned adjacent the terminals of the tubular member and the same may be rotated to expand or contract the molds for the formation of different sized pipes. In order to support the side walls of the molds and coact with the turn buckles 16 to hold the same in proper distended position, bars

17 are provided. The terminals of these bars which are two in number, are provided with brackets 18 and pivotally supported between each of said brackets the screws 19, similar to the screws 15, the terminals of the screws 19 extending within the turn buckles 20, the turn buckles 20 being adjusted to force the member 17 in contact with the wall of the tubular member, thus forming longitudinally disposed adjustable spacing members which will effectually prevent the mold from contracting intermediate the turn buckles which are secured to the same.

The many advantages of a construction of this character will be clearly apparent as it will be noted that this longitudinally disposed adjustable support may be conveniently removed, the construction being such that the diameter of the mold may be quickly increased or diminished.

The retainer which is positioned at either end of the culvert and which extends above and at right angles to the same is formed between the parallel sections 21 and 24 of the mold 25. The walls 21 are formed of suitable planking, to the rear face of which are attached the vertical strips 26. Hingedly supported at the base of each of said strips or standards 26 are the legs 27. A strut 28 is hingedly connected to each of the said legs, said strut being arranged to support the wall 21, the same being locked against upward movement by the pin 29 which enters a suitable aperture in the wall 21, a plurality of said apertures being formed in order to provide adjustable support. The wall 24 is disposed parallel with the wall 21, being formed with the arched opening 23 which conforms to the curvature of the tubular member, the walls 21 resting upon said tubular member. The side walls 34 of the retainer forming walls are hingedly connected to the section 21, their edges 35 contacting with the section 24, the section 24 being provided with vertically disposed ribs 36 which embrace the side walls and extend parallel with the same. The wall 24 is provided adjacent either end with a plurality of eyes 37 which receive the hooks 38 which are secured to the section 21, the sections 24 in this manner being held firmly in contact with the side walls. The ribs 36 hold the side walls parallel to each other and at right angles to the sections 21 and 24.

It will be noted from the foregoing that

a construction of this character may be readily positioned on the tubular mold, and be quickly detached and folded for the purpose of transportation. It will be noted that the material which is passed between the sections 21 and 24 will surround the terminals of the pipe, the culvert provided with end retaining walls.

Having thus described the invention what is claimed as new is:—

1. A mold comprising spaced parallel walls, arms hingedly supported by said walls, struts hingedly connected to said arms, adjustable means supported by said wall and arranged to contact with the terminals of said strut, vertically extending ribs secured to the other of said walls said ribs contacting with said end walls to hold the same in spaced parallel relation.

2. A mold comprising a wall, said wall including longitudinally extending members and vertically extending connecting members, adjustable supports hingedly connected to the connecting members, end walls hingedly supported by the longitudinally disposed members on the face of said wall remote from the vertically extending members, a wall disposed parallel with the first mentioned wall, ribs embracing the end walls to hold the same in parallel relation.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

FRANK P. MARTIN.

Witnesses:

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