(No Model.)

A. FRIEDLI.

FRAME FOR BAND SAWS.

No. 286,919. Patented Oct. 16, 1883.

Fig. I

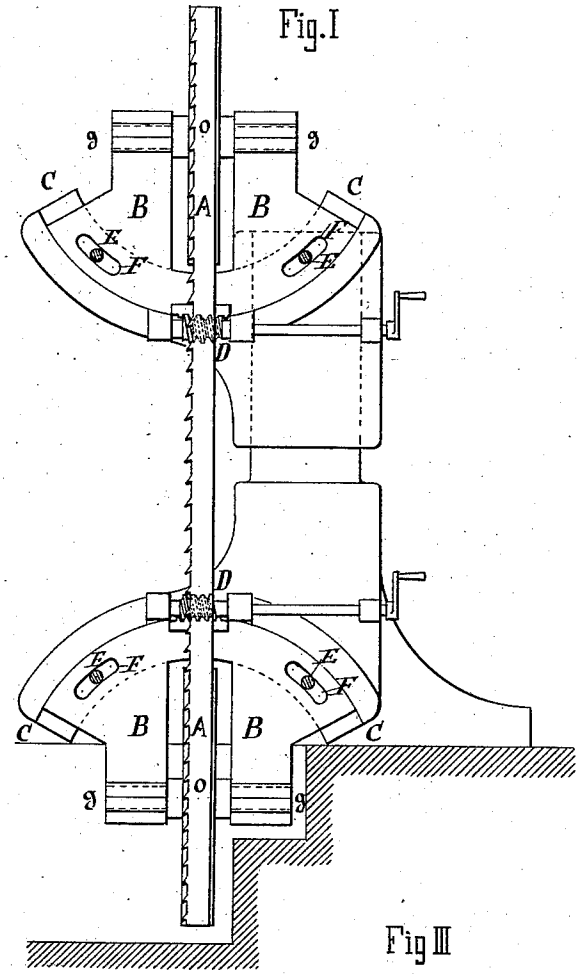


Fig. II

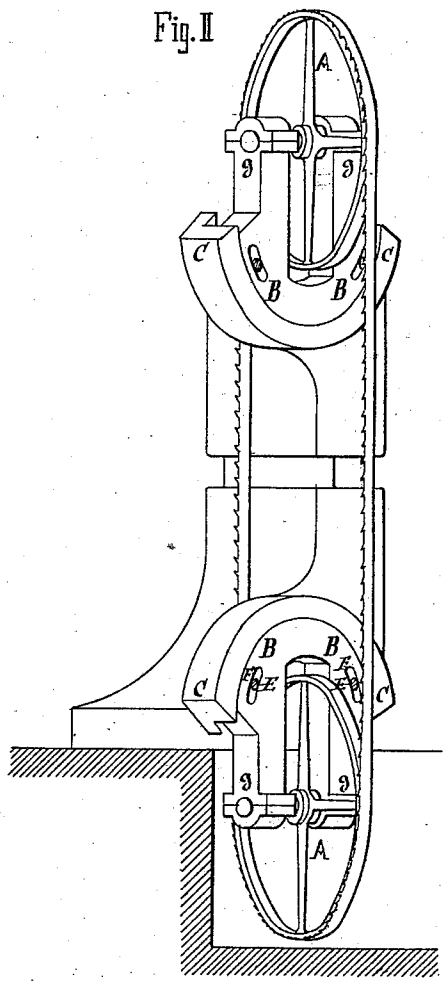
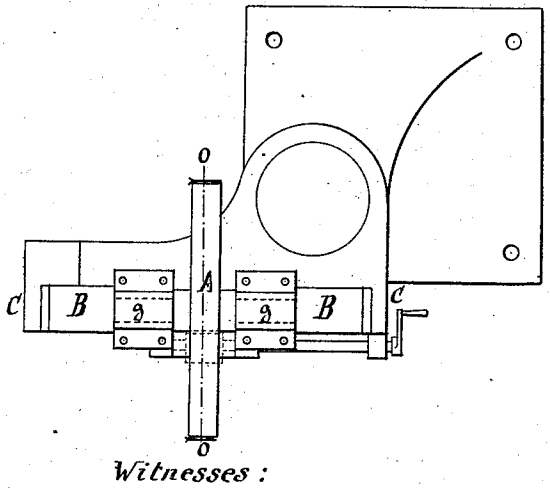


Fig III



Witnesses:

Otto Hausmann

C. Sedgwick Goodspeed.

Inventor:

Albert Friedli

N. PETERS. Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

ALBERT FRIEDLI, OF BERNE, SWITZERLAND.

FRAME FOR BAND-SAWS.

SPECIFICATION forming part of Letters Patent No. 286,919, dated October 16, 1883.

Application filed March 12, 1883. (No model.)

To all whom it may concern:

Be it known that I, ALBERT FRIEDLI, a citizen of the Republic of Switzerland, residing at Berne, in the State of Berne, have invented a new and useful Improvement in Frames for Band-Saws, of which the following is a specification.

The invention hereinafter described has for its object to support and hold very securely the saw-wheels of the endless saws, and yet to allow them the exact motion required for regulating the motion of the saw-blade.

Figure I of the accompanying drawings shows a front elevation of a band-saw machine, in which the two pulleys A A of the saw-blade are each placed in one of my new brackets or holders B B. Fig. II shows a perspective view of the band-saw frame. Fig. III shows a plan of the same.

The saw-pulleys A A revolve in two bearings, *g g*, which take up the tension of the saw in an even manner. The bearings *g g* are joined securely by the specially-formed bracket or bow B B. They cannot, therefore, alter their relative position. Each of the brackets B B rests on a circularly-curved guide, C C, and is capable of sliding in the same to the right or left by means of the tooth-gear (worm and worm-wheel) D D, or by any other suitable means, so as to cause the saw-wheels to incline to the right or to the left of the middle position, *o o*. By thus giving to the saw-wheels an inclined position, one edge of the saw-blade obtains a higher tension than the other, whereby the motion of the saw-blade may be regulated at will, and the bracket B B may be secured in the required position by means of screws E, passing through the slots F.

What I claim is—

In band-saw frames, a pair of circularly-curved brackets supporting the axles of the saw-pulleys on both sides, and adapted to slide in a circularly-curved guide and to be secured thereto in different positions, substantially as described and illustrated, and for the purpose set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ALBERT FRIEDLI.

Witnesses:
OTTO HAUSMANN,
ED. SCHWEIZER SCHWESSHAUFT.