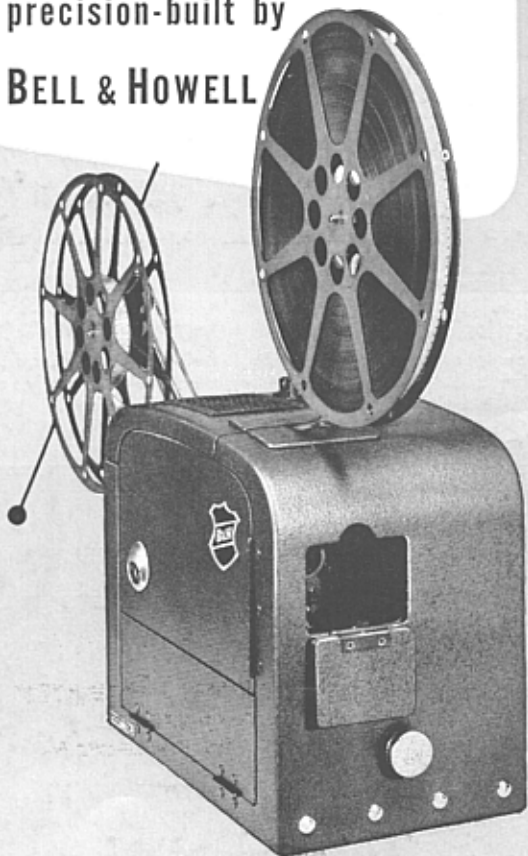


# *Filmosound 185*

16mm sound-film projector

precision-built by

**BELL & HOWELL**

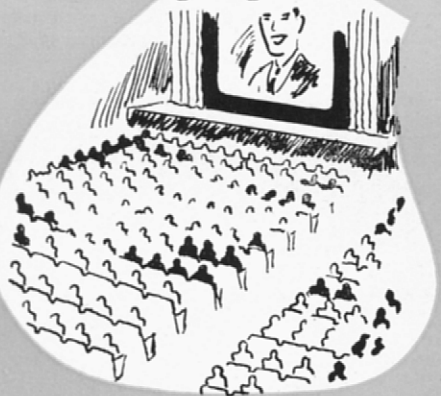


for small groups . . .



for medium groups . . .

for large groups . . .



*It's the favorite line for all time*

## FILMOSOUND 185

new light weight for greater portability

new streamlined design for convenience and eye-appeal

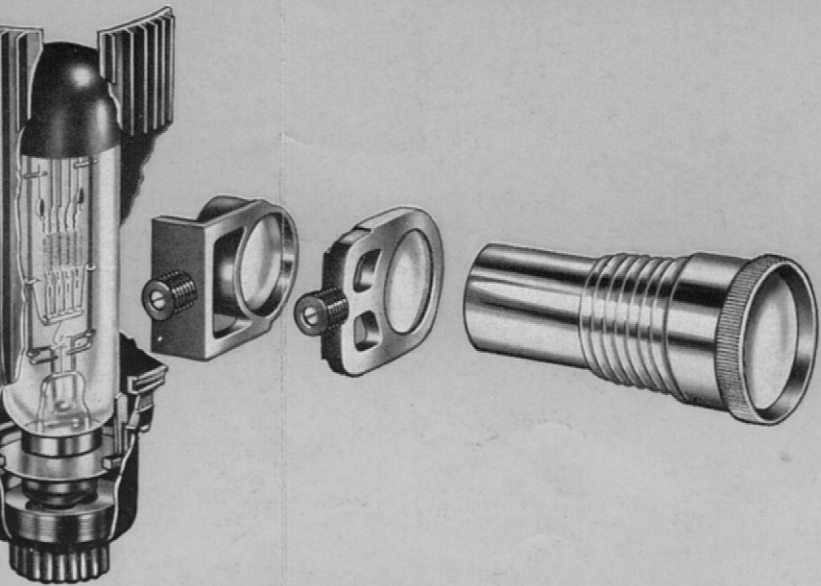
theater-quality sound and picture for traditional

B&H superior performance

There is a model to suit every group size and purpose . . .  
to fit every budget. All are precision-built . . .

**GUARANTEED FOR LIFE\***

\*During life of product, defects in workmanship or material will be remedied free (except transportation).

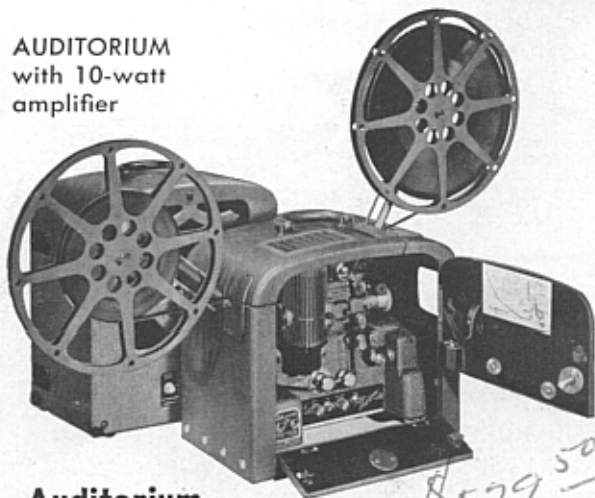


## Brilliant pictures

Filmosound's straight-line optical system utilizes *all* the light output of the individually prealigned lamp. Reflector is rhodium-surfaced, unbreakable, factory-set for best results . . . Magnilite condenser, used with lenses of 2" and shorter focal lengths, passes a greater portion of light from lamp to lens. New 2" f/1.6 Super Proval lens, with built-in field corrector element, gives edge-to-edge and corner-to-corner sharpness — puts on the screen all the detail in the film. Lens, condensers and sound slit are Filmocoted to permit passage of the maximum light available.

Improved gear-case ventilation exhausts oil vapor through cooling system, prevents formation of oil film on optical components which would adversely affect picture brilliance.

**AUDITORIUM**  
with 10-watt  
amplifier



**Auditorium**

Two weight-balanced, portable cases house projector, speaker and accessories. Power 12" speaker has its own 25-watt amplifier . . . provides theater-quality sound for every indoor or outdoor use where greatest volume is needed.

**New Academy**

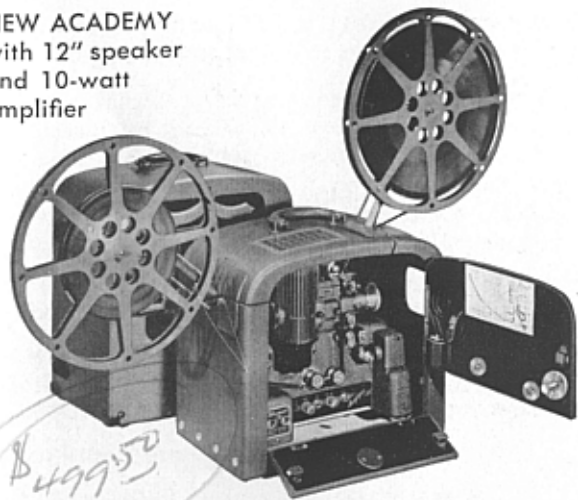
Like the Auditorium model, projector and amplifier are contained in one streamlined case . . . speaker and accessories in the second. Order with 8" or 12" speaker, according to your need.

**Single-Case**

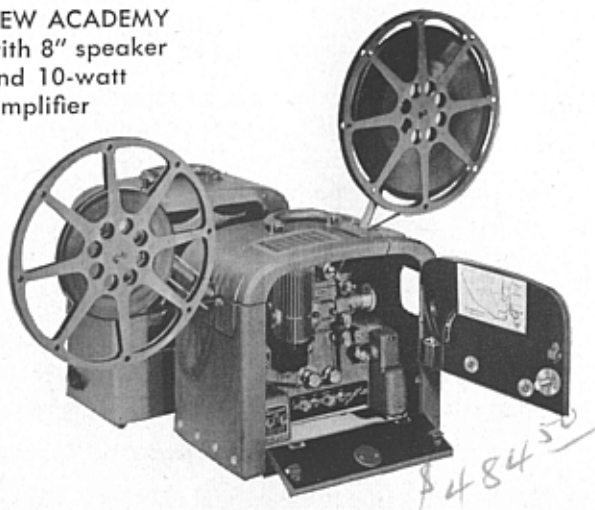
Lightest-weight Filmosound...projector, speaker and necessary accessories are housed in one convenient case. Built-in 6" speaker operates within the case, at a 90° angle to the case, or removed from the case and used at the screen. 400' take-up reel is supplied.

**Above models differ only in speaker equipment. Multiple speaker setups may be used.**

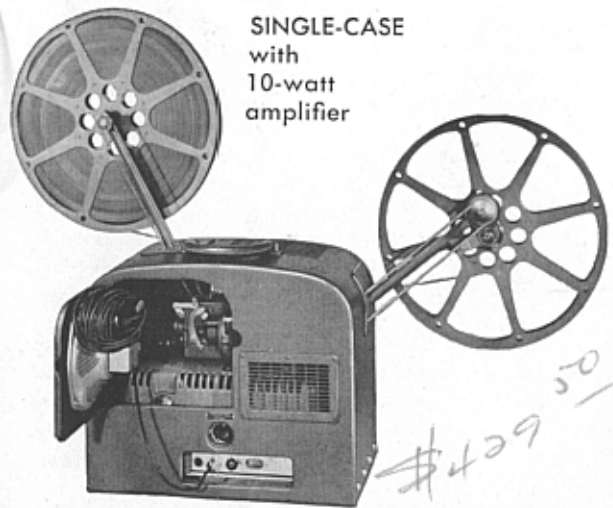
NEW ACADEMY  
with 12" speaker  
and 10-watt  
amplifier

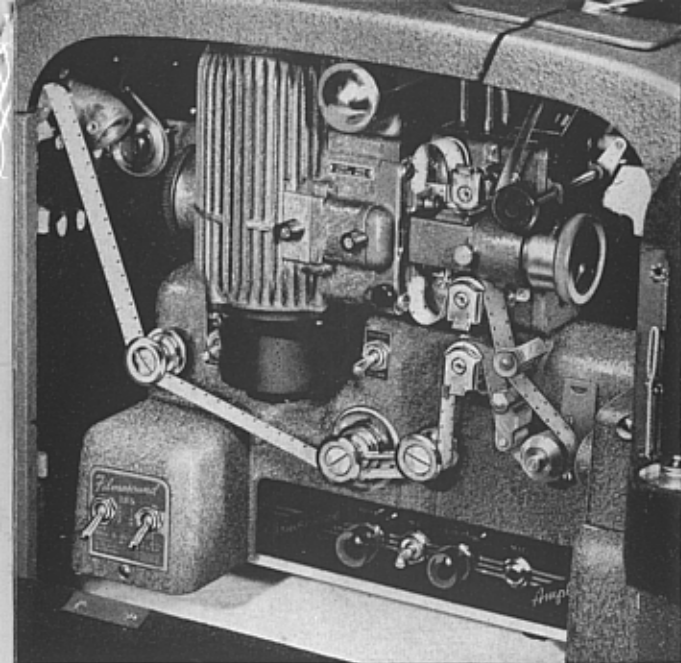


NEW ACADEMY  
with 8" speaker  
and 10-watt  
amplifier



SINGLE-CASE  
with  
10-watt  
amplifier



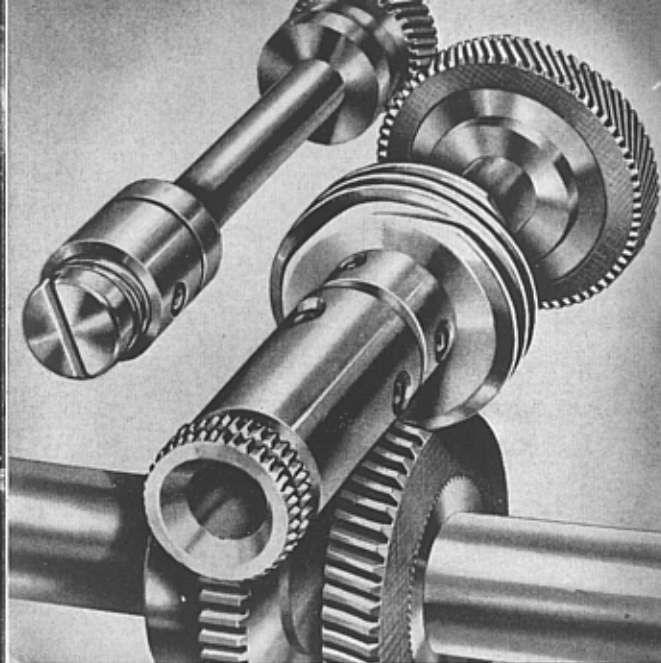


### Error-proof threading and operation

Threading is easy, out-in-the-open, foolproof even in the dark. Safe-lock guards lock film over sprockets; built-in pilot light illuminates entire threading area.

Capacity is 2000 feet of 16mm film . . . takes any size reel from 100-foot up . . . for full one-hour show.

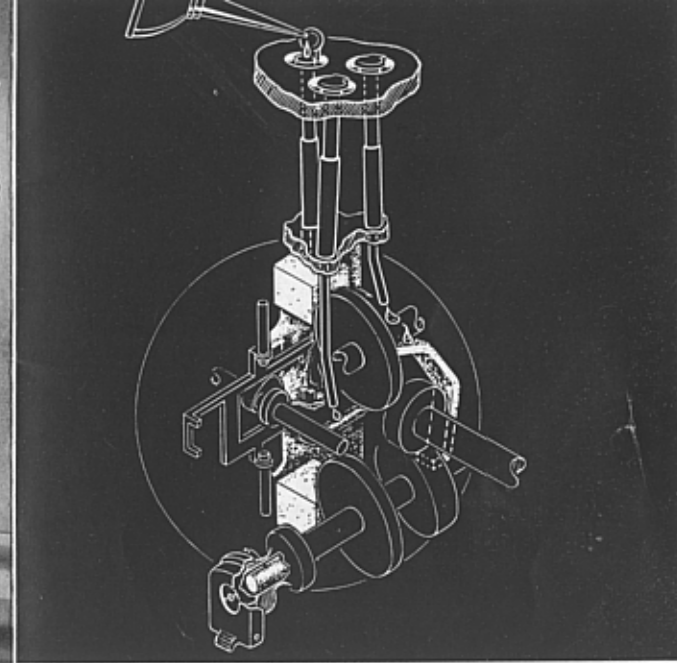
All cables have terminals so made that connections can be made only correctly. Switches are conveniently paneled on operating side, clearly labeled. Framing knob and self-locking tilt permit proper placement of picture on screen. Lens may be focused quickly, easily . . . then locked in position.



### Steady, flickerless pictures

Helical gears drive all fast-moving parts—there are no chains or belts to slip and cause flicker. Governor-controlled, operating speed is constant within 2%.

Two shuttle teeth, only one frame from the aperture, and side-tension compensators pass poorly-spliced, shrunken, stretched or damaged films smoothly along, eliminating unsteady pictures. Single blade disc shutter with 60% open segment minimizes dark periods and interrupts the light 3 times per frame to eliminate flicker at both sound and silent speeds.



### Trouble-free

Foolproof "metered lubrication" system, with filtered wick feed, precisely allots oil to all moving parts. Hinge-capped oil reservoirs are conveniently accessible. Motor ball-bearings are sealed in lubricant, require no attention.

### Easily portable

The Single-Case Filmosound weighs only 35 lbs., 7 oz. . . . measures 16 $\frac{1}{8}$ "x9 $\frac{1}{4}$ "x13 $\frac{1}{8}$ ". The projector of the New Academy and Auditorium weighs 30 lbs. 8 oz., measures 16 $\frac{1}{8}$ "x9 $\frac{1}{4}$ "x13 $\frac{1}{8}$ ". The 8" speaker weighs 15 lbs., measures 15"x15"x7 $\frac{1}{16}$ "; the 12" and power speakers, slightly larger in size, weigh 26 lbs. and 40 lbs. respectively. Leather handle on each case provides comfortable grip; on projector, automatic spring holds handle flat when not in use, prevents it from resting over heat vent.

The Filmosound operates at both sound and silent speeds . . . may be stopped for a still picture . . . reverses film movement direction for review by the flick of a switch.

## Guaranteed for Life

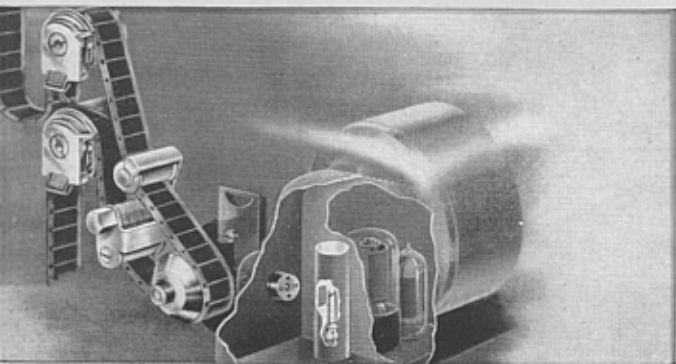
Filmosound will give trouble-free service. During life of product, defects in workmanship or material will be remedied free (except transportation).

## Natural Sound

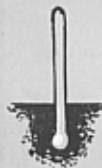
Amplifier, 10- or 14-watt as you select, engineered especially for 16mm sound, has frequency range of 50 to 7000 cycles for accurate and pleasing reproduction of music and speech . . . provides sound volume sufficient even for the auditorium-type Orchestricon speaker . . . is cushioned on rubber to prevent sound-distorting vibration noise from reaching tubes. Noiseless, hum-free exciter lamp operates on high-frequency current supplied by built-in oscillator. Stepless volume control raises sound level from a whisper to greatest volume without distortion. Tone control permits altering frequency range for most desirable reproduction under the existing acoustical conditions. Amplifier is easily removed from Filmosound.

**B&H Oscillatory Stabilizer** insures unvarying film speed in sound scanning area, eliminates "flutter."

Sound drum rotates with film, carries it evenly past scanning point to give flutterless reproduction; flywheel is solid, simple, trouble-free at all temperatures.







### Cool

Forced-air cooling system and automatic safety shutter guard film from heat damage; entire projector is kept comfortably cool.



### Safe

Fireproof 16mm film will not support flame even when ignited. Filmosound is safe and shock-proof.



### Radio interference eliminator

Built in, it neutralizes radiations from projector which might otherwise be picked up by nearby radios.



### World-wide organization

The thousands of Bell & Howell authorized dealers located throughout the world assure each Filmosound owner of a nearby source for servicing and assistance with all photographic activities.

With 2" f/1.6 Filmocoted lens, 10-watt amplifier, and 750- or 1000-watt lamp, for operation on 105- to 130-volt 25-cycle or 50- to 60-cycle alternating current, as indicated below. **14-watt, 25- to 60-cycle or 50- to 60-cycle amplifier also available.**

	Operates on	B&H No.
<b>Single-Case Filmosound</b> with built-in 6" speaker	25-cycle and 50-60 cycle	<b>185-C</b>
<b>New Academy</b> with 8" speaker with 12" speaker	25-cycle and 50-60 cycle	<b>185-B</b> <b>185-B1</b>
<b>Auditorium</b> with 25-watt power 12" speaker	25-cycle and 50-60 cycle 50-60 cycle	<b>185-B2</b> <b>185-B3</b>

With the addition of a rotary converter, the Filmosound 185 can be operated on direct current.

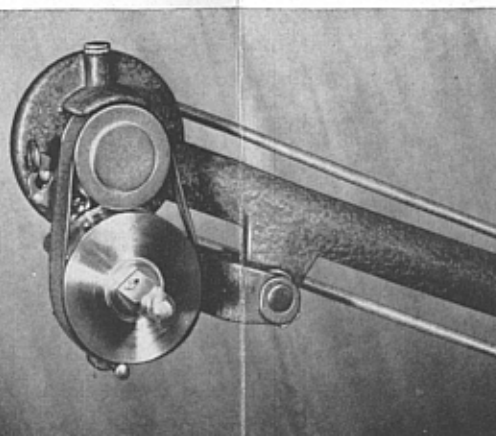
### Press system

Phone or turntable into amplifier for commentary or music with your films.



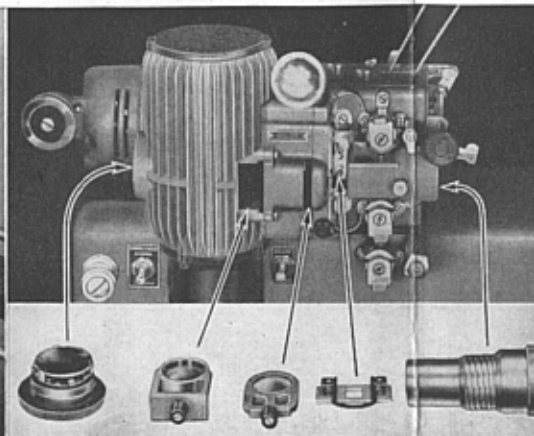
### Uniform film take-up

With the B&H exclusive self-compensating, constant-tension take-up, film tension is automatically correct no matter what reel size is being used.



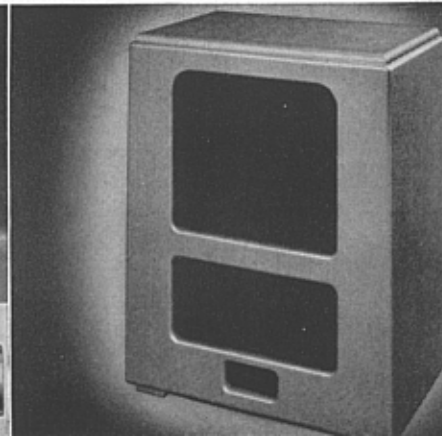
### Easy to clean

Reflector, condensers, lens, and gate shoe are instantly accessible without the use of tools.



### Increased audience-handling capacity

Little Orchestricon portable speaker, containing two speaker units, improves tone range and sound output when used in place of regular speaker.





	B&H NO.	PRICE
<b>FILMOSOUND</b>	185-C	\$429.50
with 10-watt amplifier	185-B	484.50
	185-B1	499.50
	185-B2	579.50
	185-B3	579.50
	185-B7	602.50

**With 14-watt amplifier at \$18.00 additional.**

## FILMOSOUND ACCESSORIES

Adjusto-stand (12" x 22" table top, 33" to 57" adjustable leg)	16765	\$ 37.50
8-inch speaker for Filmosound 185	05739	87.00
12-inch speaker for Filmosound 185	05738	102.00
25-watt, 25-60 cycle power speaker, with amplifier, 12-inch speaker and 50' cable	05387	162.00
25-watt, 50-60 cycle power speaker, with amplifier, 12-inch speaker and 50' cable	06565	162.00
"Little Orchesticon" Speaker (15")	06789	185.00
Monitor Speaker	21241	50.00
B&H Single-speed Turntable	16247	40.00

**See complete listing of accessories for Filmosound projectors in the Bell & Howell Price List.**

The Filmosound is typical of that excellence which has made Bell & Howell products known and recognized for leadership everywhere. B&H offers 8mm and 16mm motion picture cameras, silent and Filmosound projectors, Foton still camera, slide projectors, world-famous 35mm professional units, and a complete line of accessories.

# BELL & HOWELL COMPANY

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