

ARCHITECTURE 202 and 241, Week starting January 22.

During this week we shall concentrate on the development of construction systems, with special reference to the problem of harmony between different buildings, designed by different people.

The fundamental task, is for ~~each person in the class~~ to draw for the class as a whole, to design make ~~one~~ one continuous elevation, which has seventeen different buildings, and which feel "reasonably" related to one another, and to agree on a minimum set of rules which make this possible.

For this purpose, we want you to start, using the office building you have just designed, to work as a group. All work at 1/16 th scale, ~~in plan, section and elevation~~ ~~work should be able to be used for the specific building you design~~

~~Ex~~ A typical day's work. All of you in the class, ~~will~~ start making the drawing of the length of a long street. Each person draws his building; ~~one after the other~~. Work fast. When you have the whole thing, try to find out what major problems are; try to define some rudimentary rules which will make things better. Then go through the whole thing again, following these rules. ~~Ex~~

We want a first draft by Tuesday January 23, a second draft by Thursday 25, and the final drawings by Monday January 29.

This is not a ~~pure~~ visual exercise. We want ~~to~~ the basis for these elevations to be real construction systems. We are asking you to work out a construction system, which you will be able to use, later, for the specific building you design. This ~~pure~~ construction system should meet the following constraints:

- (1) ~~Major~~ The main structural material is reinforced concrete. (you may use block, poured concrete or sprayed concrete).
- (2) No pitched roofs.
- (3) ~~Nothing~~ Assume the building is between 4 and 6 stories high.

In order to work out the construction system, for your own building, for yourself, you must use 1/2" to one foot drawings, ~~in plan, section and elevation~~. In particular we want you to concentrate on the following elements:

1. Nature of structural columns, and walls.
2. Nature of beams.
3. Nature of floors.
4. Design of windows and window openings.
5. Design of doors and door openings.
6. Possible variations in ~~the~~ different floors.
7. Treatment of the roof line.

especially showing
structural bays
in plan, section, elevation

The drawings you make together, as a group, should be at 1/16 scale, so we can put them up, in a long line, on the board, and look at the way the whole thing works.

Please note one important thing. We do not want the rules to be so constraining, that they make all the projects somehow "the same". In a real city, variety is inevitable. However, the kind of variety which ~~xxx~~ arises today, from different ~~architectural~~ architectural egos, is far beyond what is reasonable or comfortable.

So we want you to define a minimum set of rules, which just establish a reasonable level of harmony, but also allow and encourage reasonable differences within that harmony.

In this project, we do not want any rough, "freehand" drawings. ~~Thermfilmhänpräsentat~~ For the final presentation, Monday 29, we need hard line ink drawings, all in similar technique, so that we can really judge the way they work together.

We

In order to generate a reasonable construction system, we strongly suggest that you pay attention to the following patterns:

- 205 Structure follows social spaces
- 240 Half inch trim
- 225 Frames as thickened edges
- 249 Ornament

The rest is up to you.

Attached are some examples of streets in Amsterdam.
Please note, we are not showing you these because we want you to copy them.

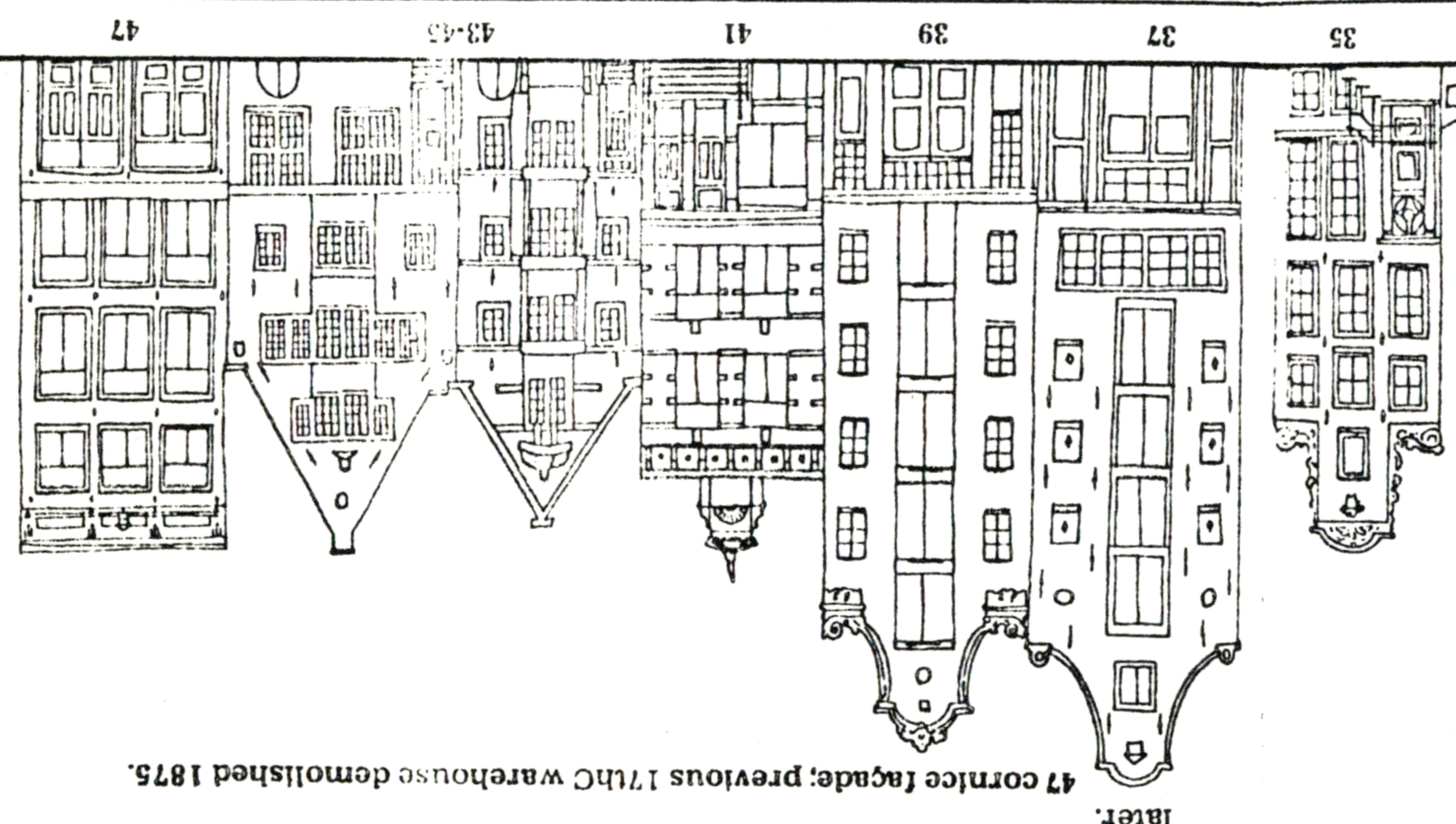
We are showing them, because they shed very interesting light on the general problem of variety and uniformity. If you look at the streets, you certainly feel a tremendous harmony. And yet, there is nothing obvious which remains the same. The buildings are much less similar than one might expect. They have different floor levels, different heights, different window sizes, different window sill heights, different roof configurations, different overall number of stories,.... In short, none of the simple minded rules for bringing harmony into ~~the~~ a street will work.

What is the "same" from house to house, along these streets, is a very global configuration, a very general character which is shared by most of the buildings, and which lies in the ~~xx~~ typical overall distribution of windows, the range of window shapes and sizes, the range of proportions of the overall building height, the typical element present in ~~the~~ roof treatment, the range of ~~window~~ widths....

In the same way, to avoid ~~a~~ making a false ~~xx~~ tyrannical harmony in our project, we will probably have to concentrate on very general rules which establish overall ~~morphological~~ morphological character, which require that similar elements occur ~~xx~~ but not how they are placed, etc etc.

- 22-24 M. used to be one big house before 1870; conversion into cornice façades.
- 26 M. ± 1800 building with cornice, oval windows and consoles; door frame shaped in half circle; very little has been rebuilt.
- 28 M. early 18thC neck-gable; the characteristic large door has been replaced by an entrance way with two small doors in this century.
- 30 newly built round 1900; handsome tile tableau below the windows of the ground floor.
- 32 M. early 19thC cornice façade with transverse roof; two small doors in place of one large door in the façade.

- 12 M. early 18thC cornice with 'closed' *attiek* and sandstone window front; framing around the middle window is unusual with 3 window wide houses; managed to get through the 19thC with very little damage.
- 14 M. 18thC; 4 window wide, sandstone façade; cornice and fronton; arched windows.
- 16 M. neck-gable from 1735 with claw pieces in unusual form; well preserved; sash work of the windows changed.
- 18 M. just before 1800 the façade was renovated; cornice with consoles; 2 hoist beams and hipped roof incorporated; frontal stoop.
- 20 M. 18thC building; building height was increased and the roof flattened in ± 1920; stoop gone.



- 25 M. typical 19thC façade with consoles; arched windows; behind the façade a much older house.
- 27 M. building from 1890 with an imitation 17thC step-gable.
- 29 M. warehouse with bell-gable from 1733 (see 'shoulder ornaments'). Little changed; renovated in 1966 by Hendrik de Keyser.
- 31 M. 18thC neck-gable; street front rebuilt; stoop gone and entrance moved to basement.
- 33 M. 17thC bell-gable with an unique top (horn of plenty) instead of fronton; porthouse; very little has been rebuilt.
- 35 M. house from 1720 with neck-gable; renovated by 'Stadsheerste' in 1964.

- 35 M. warehouse from 1720 with neck-gable; renovated by 'Stadsheerste' in 1964.
- 37 M. unusual warehouse with bell-gable from 1750; original lot of doors in 1st floor removed when lower part was rebuilt.
- 39 M. warehouse with bell-gable from 1733 (see 'shoulder ornaments'). Little changed; renovated in 1966 by Hendrik de Keyser.
- 41rebuilt in 1889; street front hardly changed.
- 43-45 M. warehouses with pointed gables; oldest houses on the Herengracht (possibly from before 1600). Renovated in 1975 by 'Stichting Artstofteles' who now occupies no. 43. The street front of no. 45 was slightly altered later.
- 47 cornice façade; previous 17thC warehouse demolished 1875.

150 M. ± 1750 neck-gable with little alteration on the front façade; not so on the side façade where a photography studio has made much use of glass; pothouse also around to the side.

152 M. reminiscent of 17thC step-gable despite various rebuildings; one floor added in the 18thC; radically altered below the gable stone where the stoop has been removed and the entrance moved.

154 newly built ± 1910; flat roof and bay windows.

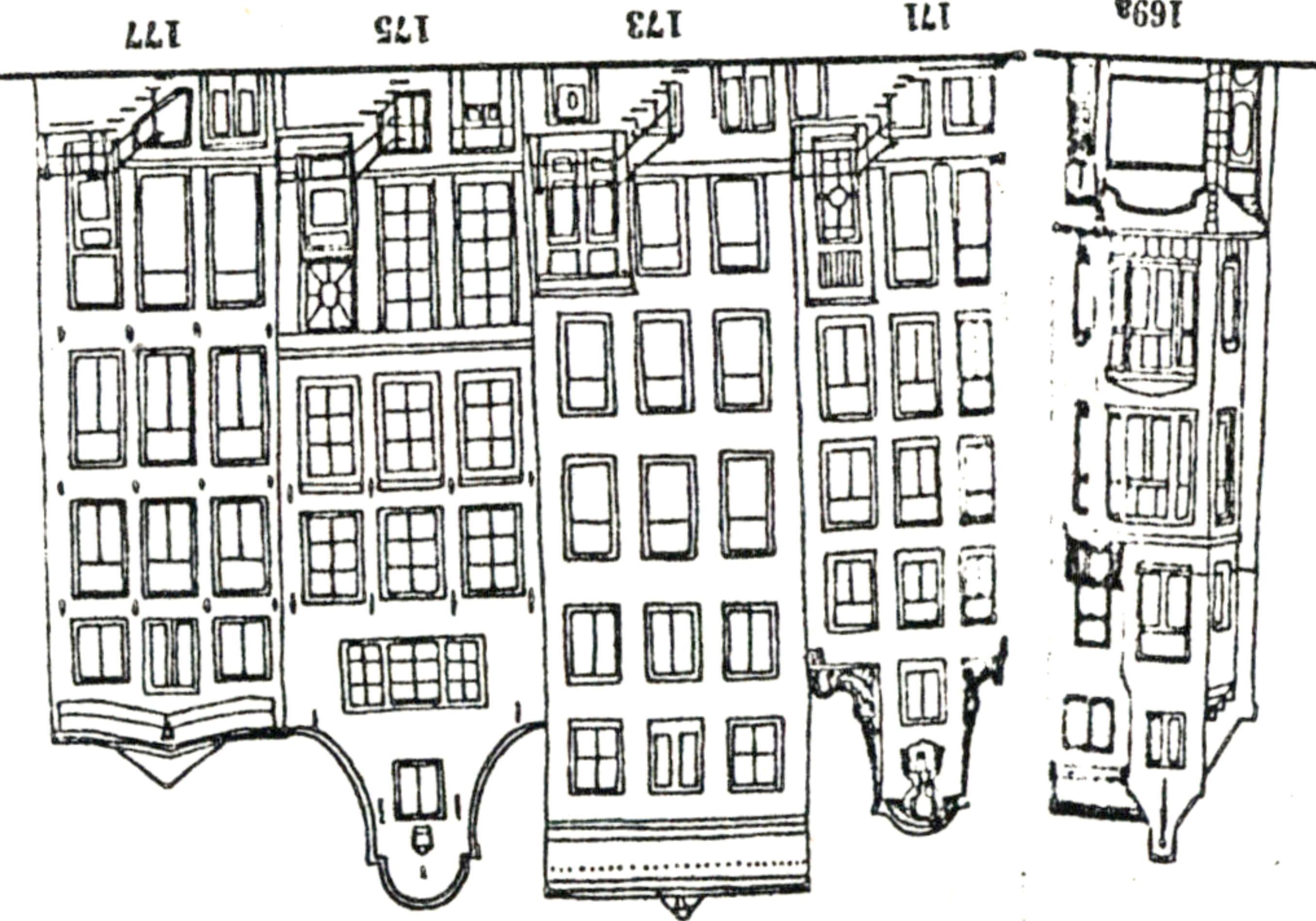
154 Newly built - 1910, half-timbered
156 M. early 18thC neck-gable; very little alteration; restored 1956; but the

18thC sash work was not brought back in the upper windows.
18thC transverse roof and 2 doors

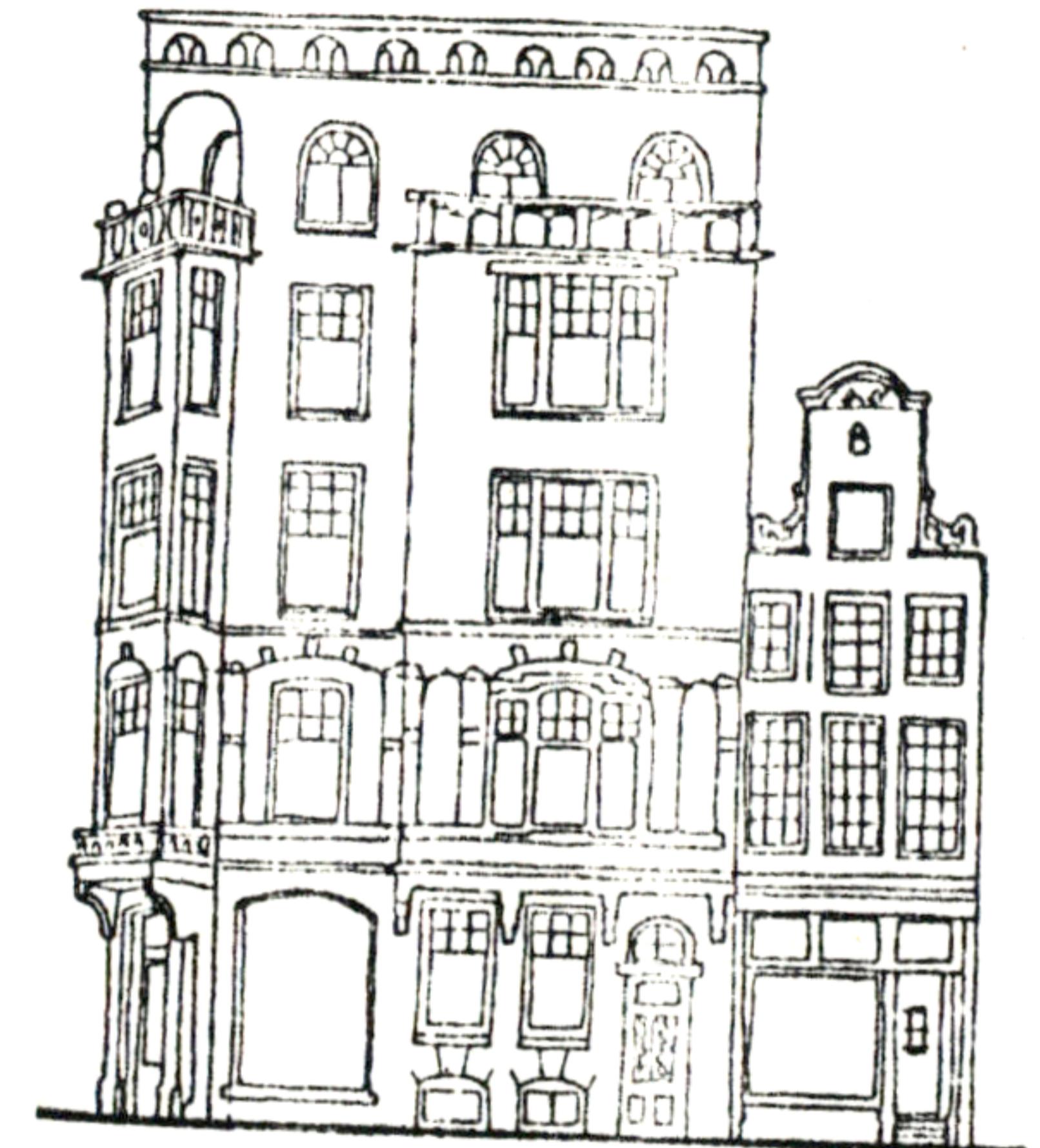
158 M. 4 window wide cornice façade with transverse roof and 2 doors,
+ 1810; before the last rebuilding it would have had 1 door; 'minimal' stoo



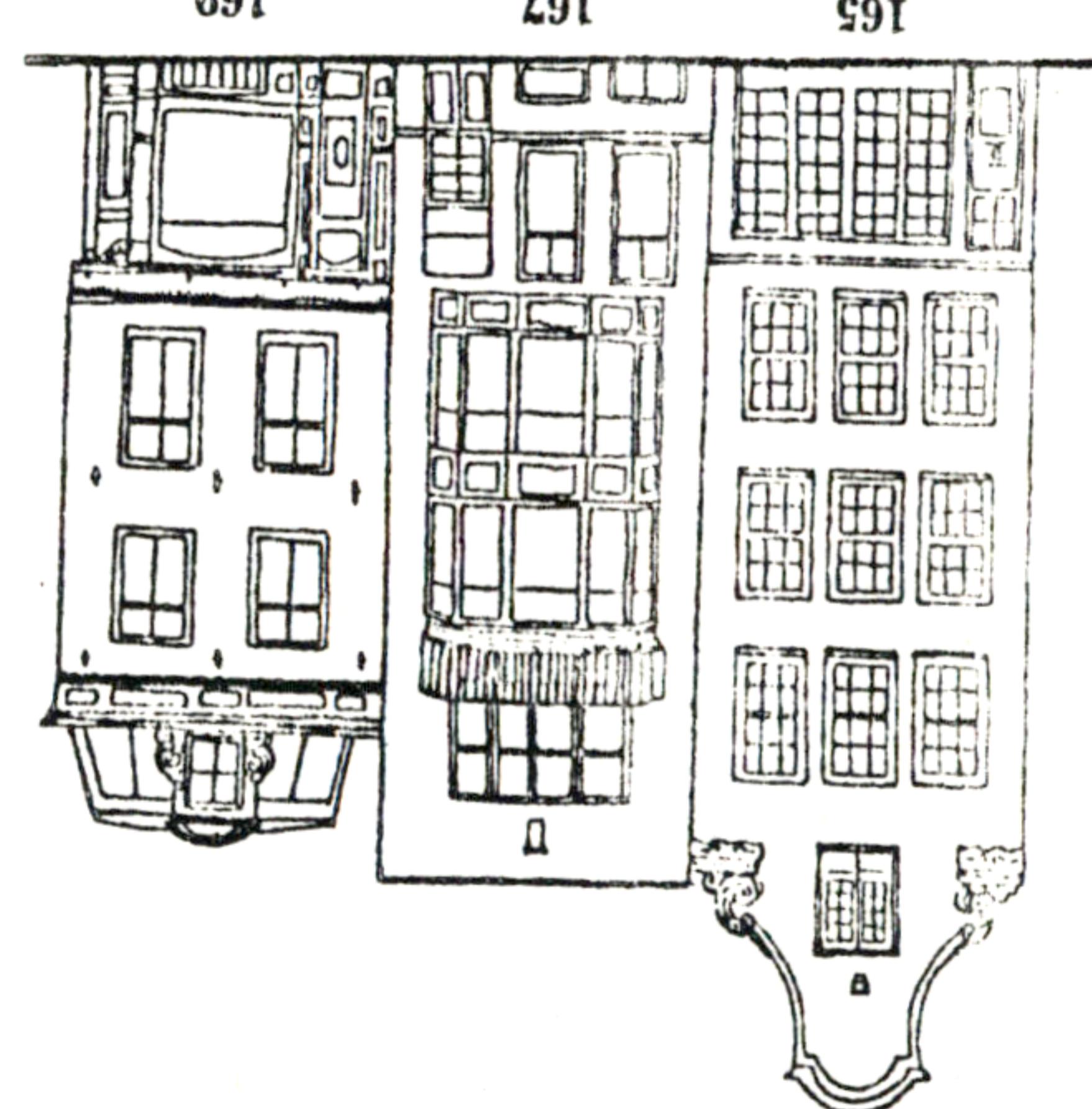
158 **156** **154** **152** **150**



Liegegracht



(2) 148a 148



Oude Leiestraat

Cornice was added.

171 M. Early 18thC neck-gable; not much alteration; nicely situated with new on the Leilegраcht; restored in 1968.

173 M. 18thC building (or even older); height increased in the 19thC and topped with a cornice.

175 M. 17thC house; many visible signs of later restorations; possible 17thC stoop, 18thC street front, simple 19thC bell-gable.

177 M. 17thC house; much has been rebuilt; in the 19thC the rafter bent.

165 M. the top still has some old elements, † 1760; radically rebuilt in the thirties; windows on all floors equally sized.
166 newly built † 1910 with 2 bay windows; stuccoed facade.
167 newly built † 1910 with 2 bay windows; stuccoed facade.
168 radically rebuilt † 1880, in 350 years the construction height hasn't changed; cornice runs over front and slide facade.
169a built just in the beginning of the 20thC; top-gable, bay windows; balcony door on street-level.

438 M. late 17thC; straight cornice with *attiek*; 2 vases and coat of arms; many alterations.

440 M. 17thC house; many alterations; double stoop retained; fine door framing probably 18thC.

442 colored green; 5 window wide; outward bending relief in façade; built in 1905; coat of arms of Friesland, Amsterdam and Groningen; entrance at street-level (see no. 440).



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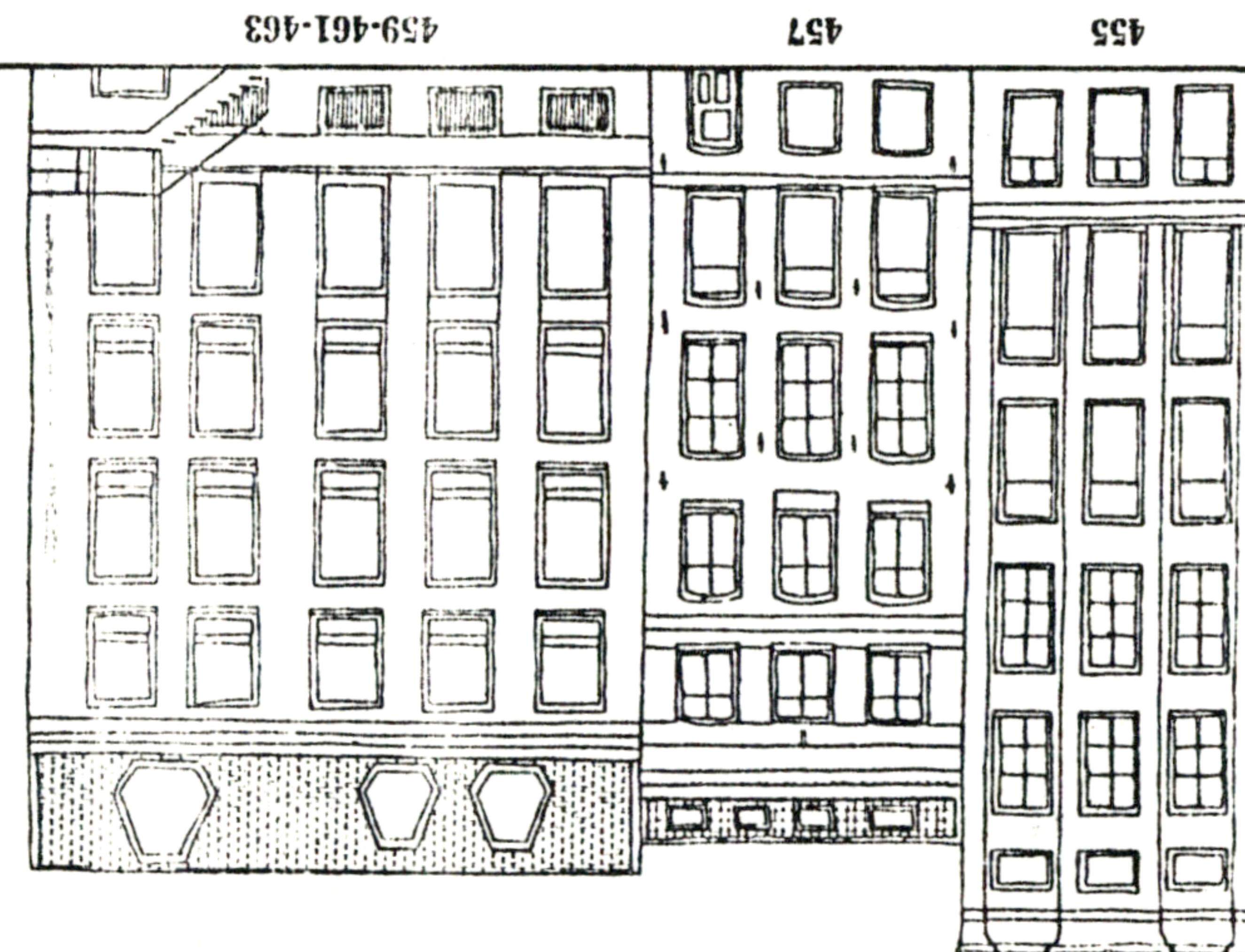


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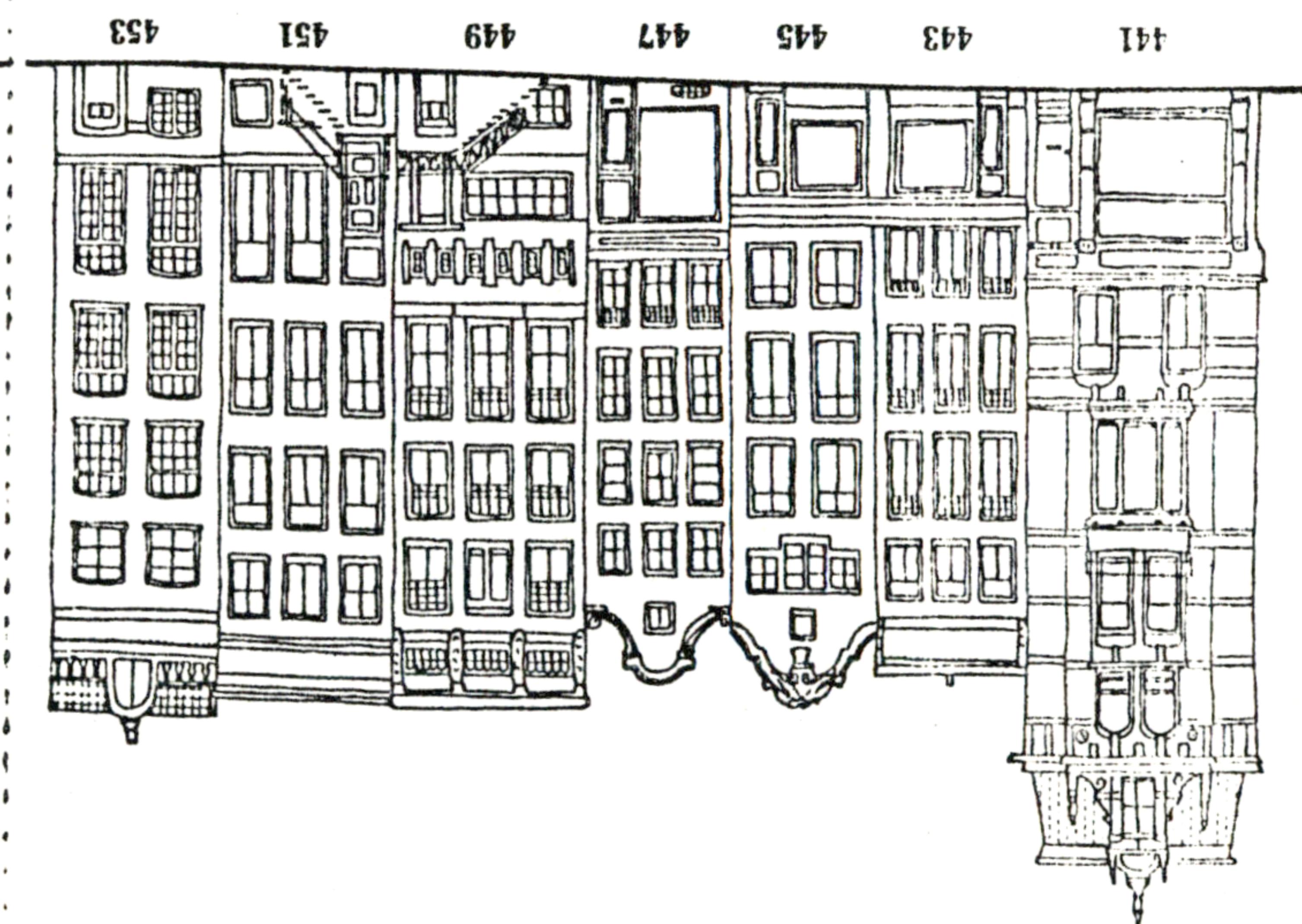
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453 19thC façade with straight cornice; *attiek* and dormer.

451 M. stuccoed cornice façade 19thC; stoop is older.

449 M. unusual stone sub-structure from 1923.

447 M. 18thC bell-gable with volutes; lower part thoroughly altered.

445 M. unusual bell-gable † 1750; lower part altered later.

433 M. cornice façade with 2 consoles † 1810.

411 corner house 1892; year inscribed on the side façade.

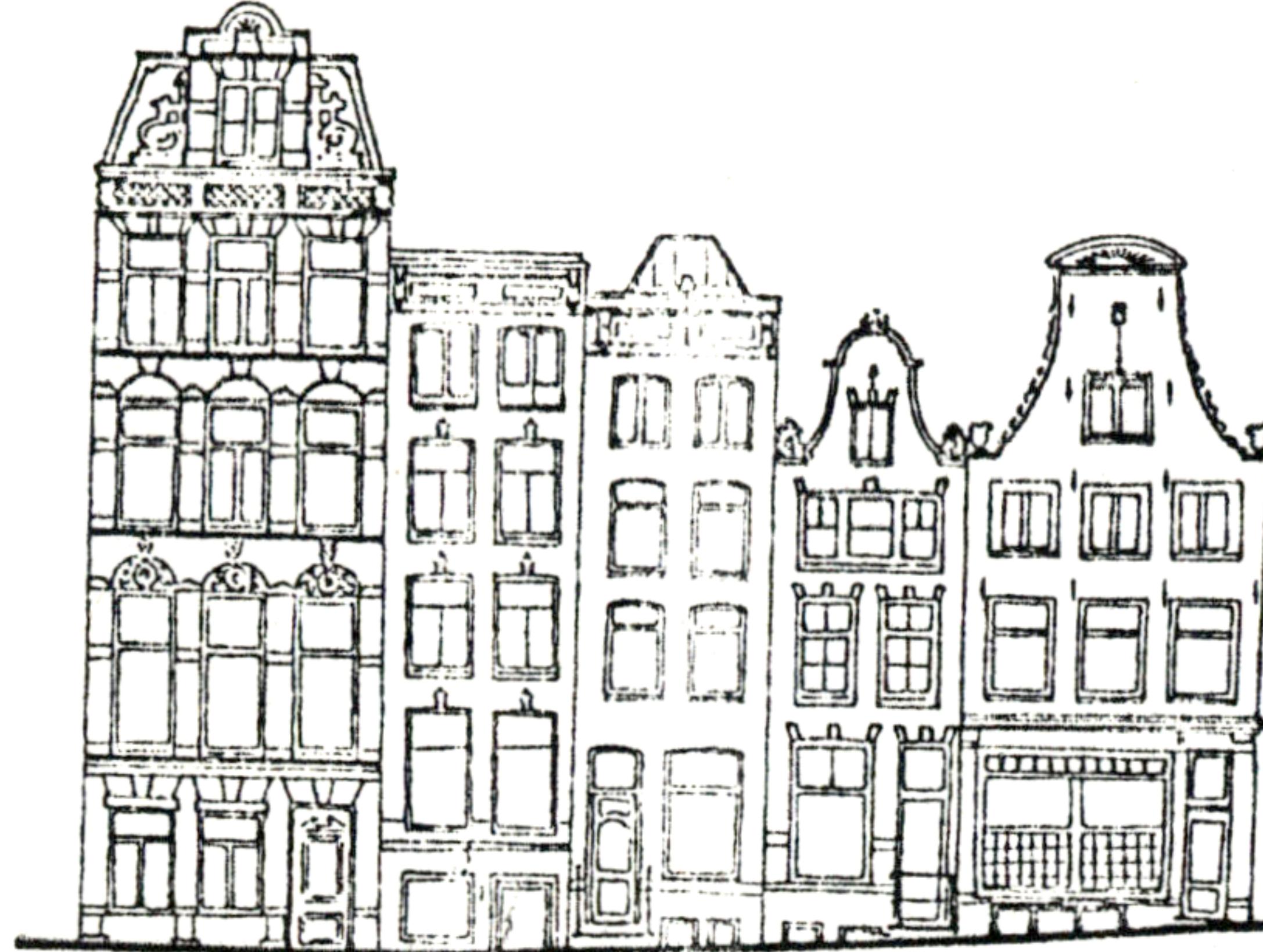
455 M. cornice façade; central section comes out slightly; rebuilt † 1800; painted sandstone.

445 M. cornice façade with 2 consoles † 1810.

443 M. cornice façade with 2 consoles † 1810.

441 corner house 1892; year inscribed on the side façade.

- 402 M. 1682 bell-gable with two corner vases and fronton with shell motif ornamentation; shop front early 20thC.
 404 M. ±1770 bell-gable; white stone work above windows fitted 19thC.
 406 M. façade drastically altered ±1880 with straight cornice and two consoles; arched windows.
 408 façade drastically altered ±1875 with straight cornice (could be older) and two consoles; stoop gone; entrance moved to souterrain level.
 410 ±1890 façade with brick dormer; straight cornice; flat-topped roof; ashlar street front; door at street-level.



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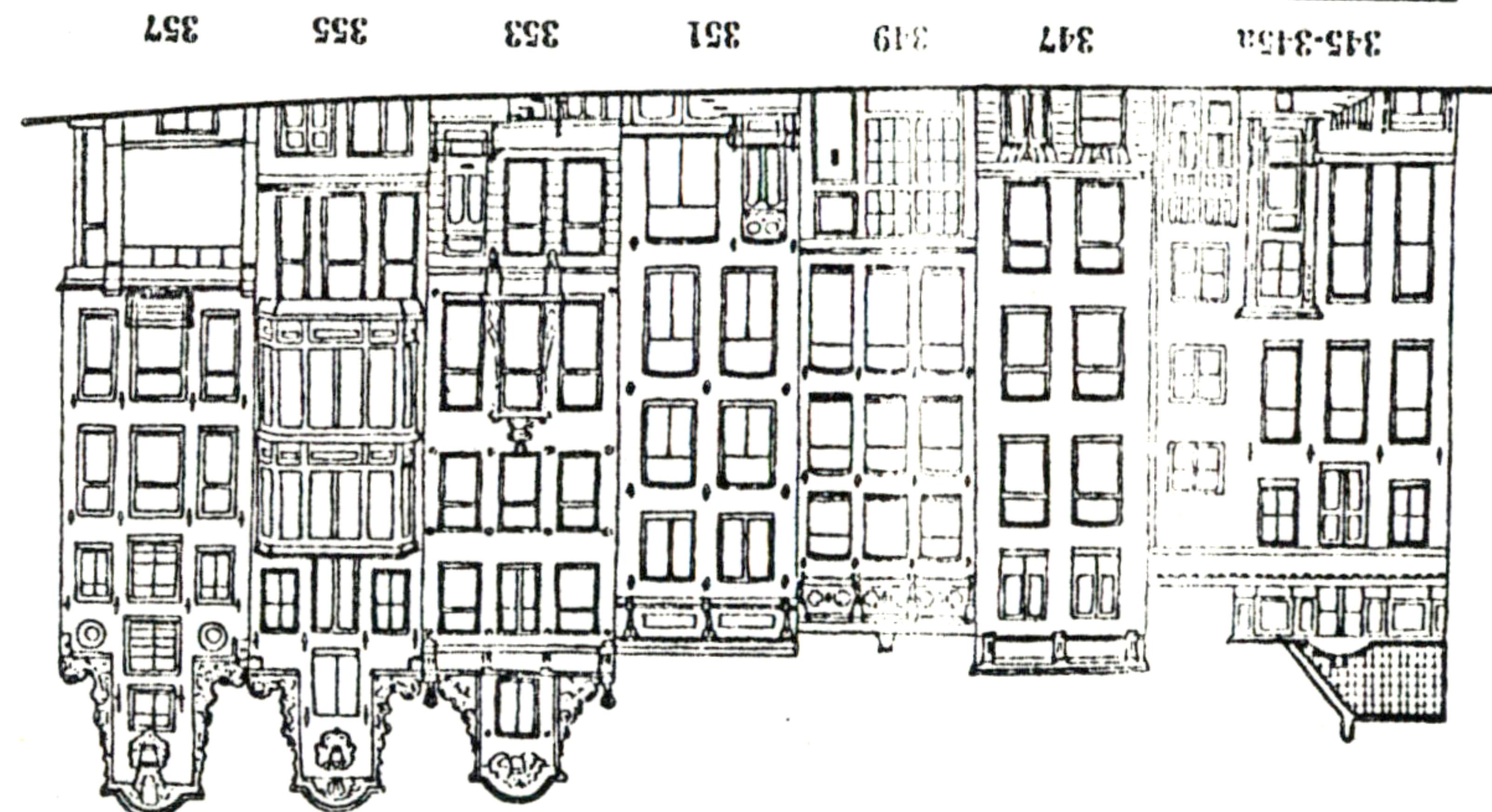


359-361-363 four houses stood here until November 1966 when they were demolished; the number of gaps on the canals is small and this one will be filled soon.

- 390 M. ±1800 rebuilt into cornice façade with transverse roof; frontal stoop; beautiful door.
 392 M. 18thC house drastically rebuilt ±1800 when straight cornice fitted; saddle roof barely visible; small stoop.
 394 ±1895 façade; ornamented with natural stone (compare the brick front of no. 392); straight cornice, dormer and flat roof; stoop older.
 396 house with wooden pointed gable (unusual for Amsterdam); from 1897.
 398 façade with outward bending relief with two bay windows and one balcony from 1924; door from same period.
 400 M. ±1770 shop/home with bell-gable (most bell-gables built at this time); shop front early 20thC.



400 398 396 394 392 390



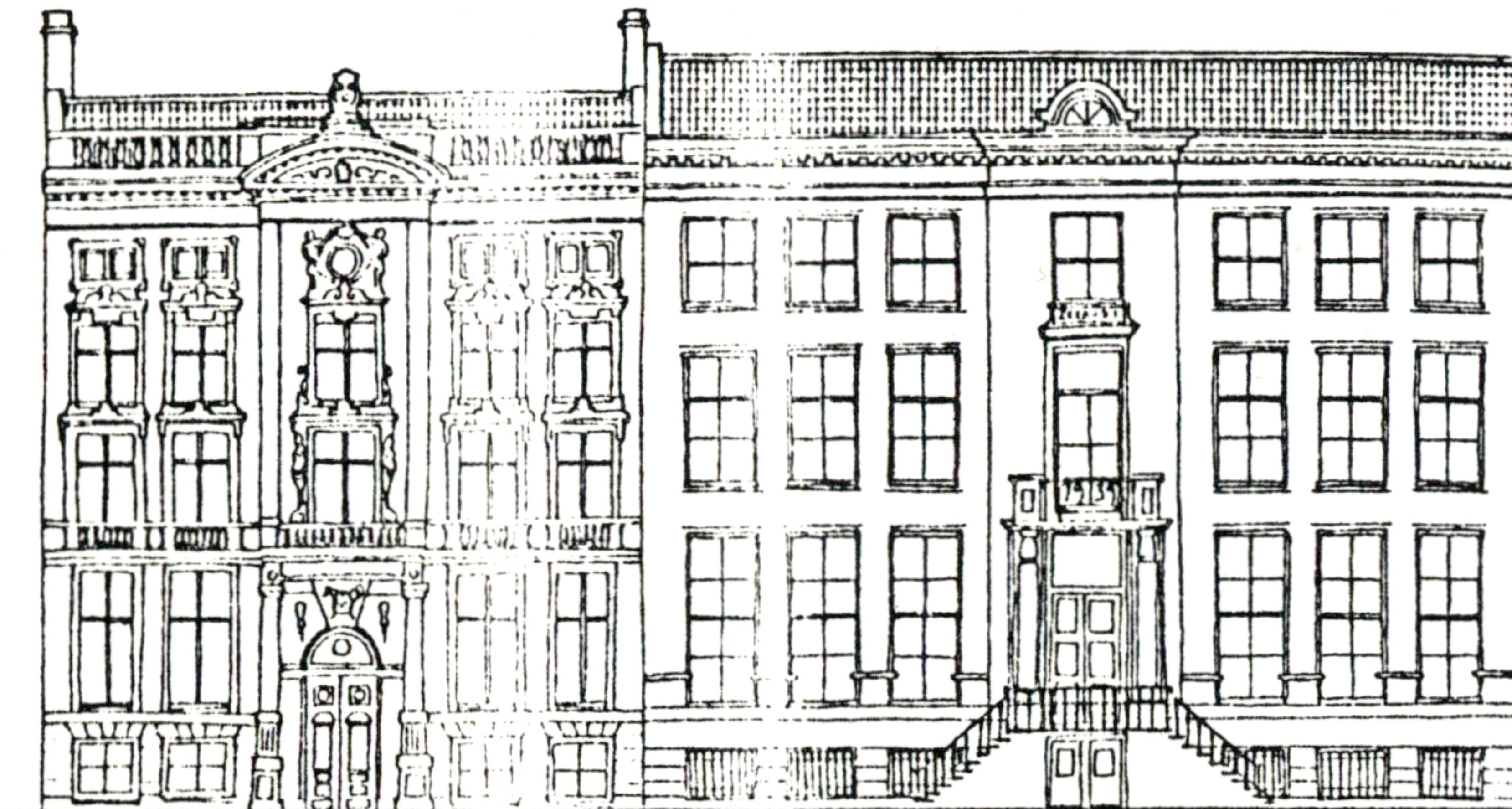
345-345a M. early 18thC building; floor added, straight cornice and closed attiek fitted ±1800; door frame from ±1800.

347 M. 18thC cornice fascade with ashlar street front in 19thC stoops were no longer built; entablature in souterrain level.

349 M. 18thC building; once a bell-gable, now straight cornice.
 351 M. late 19thC building; straight cornice fascade; ornate brackets and cornices; stoop older.
 353 M. ±1720 sandstone fascade; unique cross between a cornice frieze (see straight cornice) and neck-gable (see claw pieces).
 355 M. ±1705 neck-gable with fronton; bay windows from 1899.
 357 M. shop/home dating 1711; circular windows with ornamental frames; this neck-gable has always had a shop front, present one from 1907.

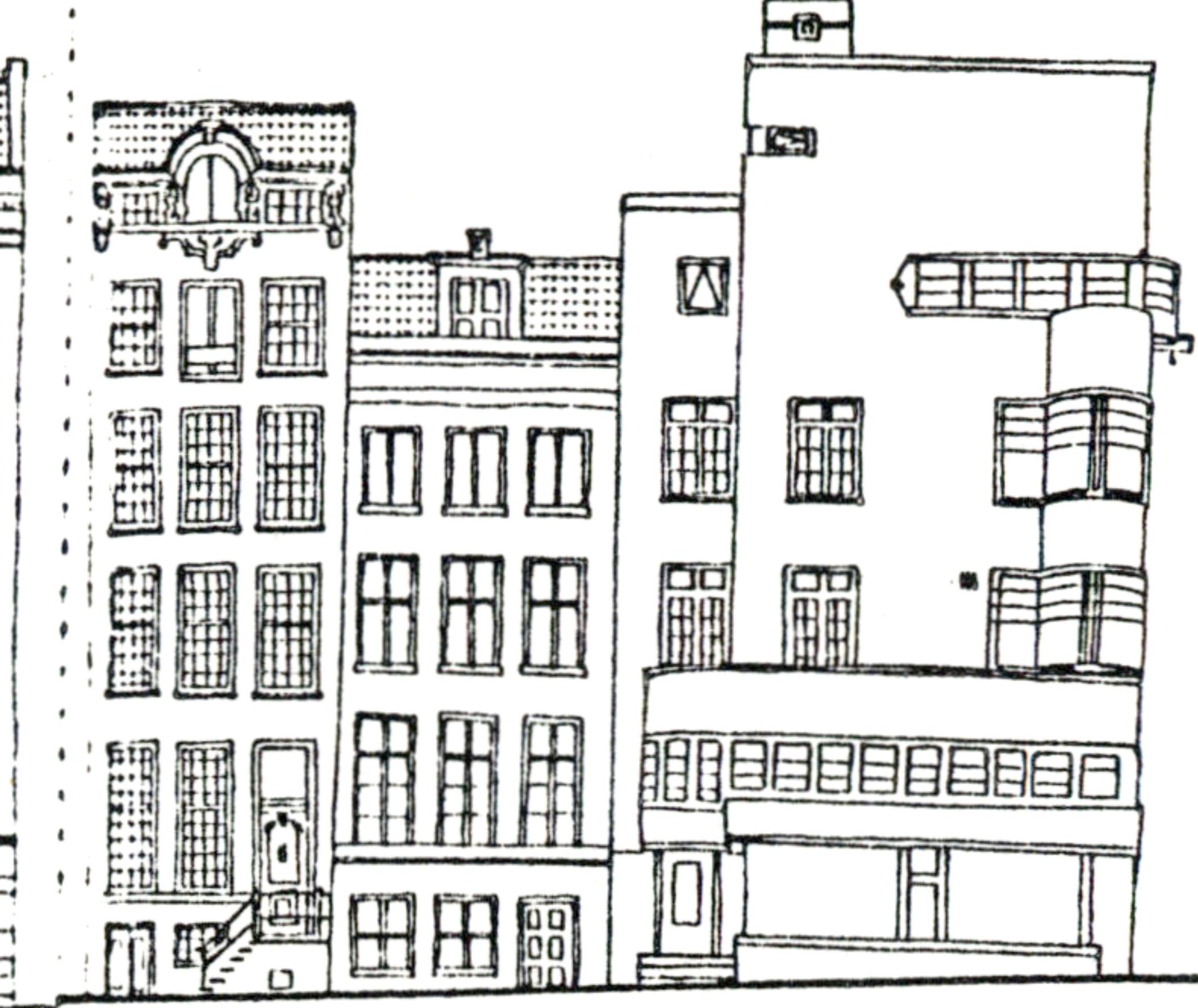
666-668 newly built in historical style 1939 (see ironwork on balcony) by architects C.B. Posthumus Meyes and Van der Linden; building looks much older than it really is; brick façade with straight cornice and sandstone door frame; double stoop. This building is open to criticism but still it does harmonize with its historical surroundings. Until 1937 two buildings stood here.

670 M. *1675 house, nearly 15 meters wide; drastically altered 19thC when balustrades and window frames were fitted and double stoop removed resulting in double door 'sinking' to street-level.



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668-666

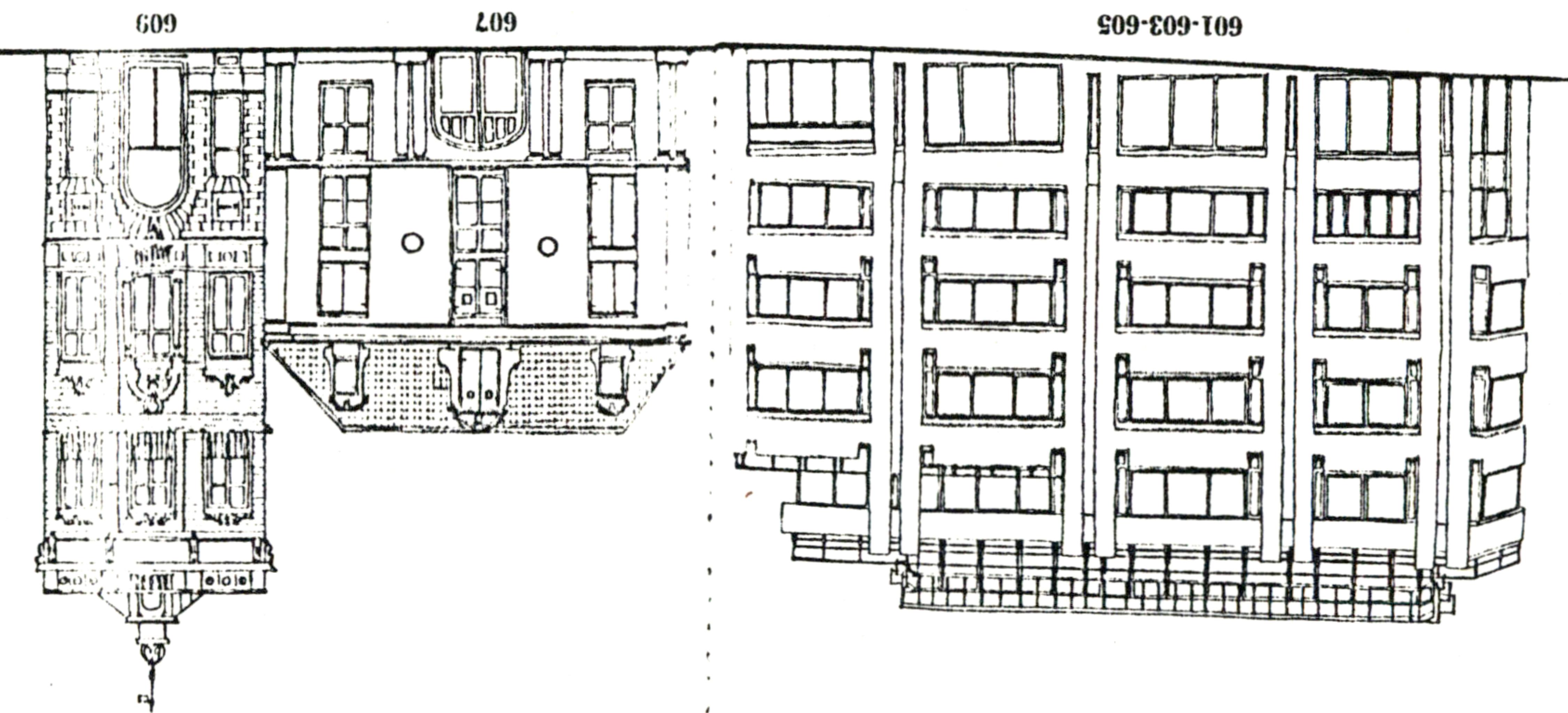


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Vijzelstraat

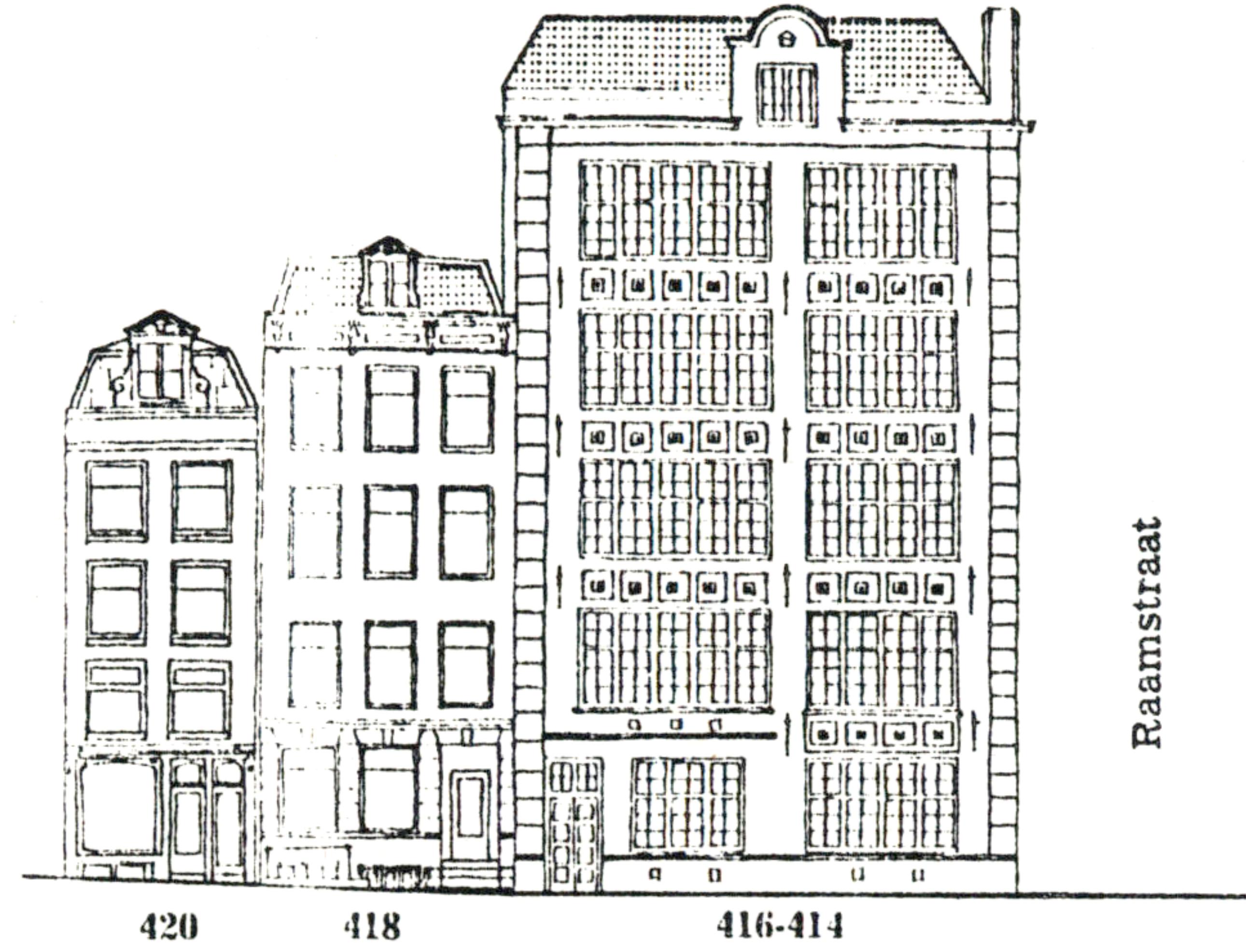


Vijzelstraat

601-603-605 on this spot, where once three houses stood, Hollenkamp built something new in 1903; it was demolished in 1971; the present bank building from 1976 is, concerning its exterior, much better adapted to its surroundings than its predecessor (much brick used this time). The vertical relief bricks up the facade into elements the size of individual houses.

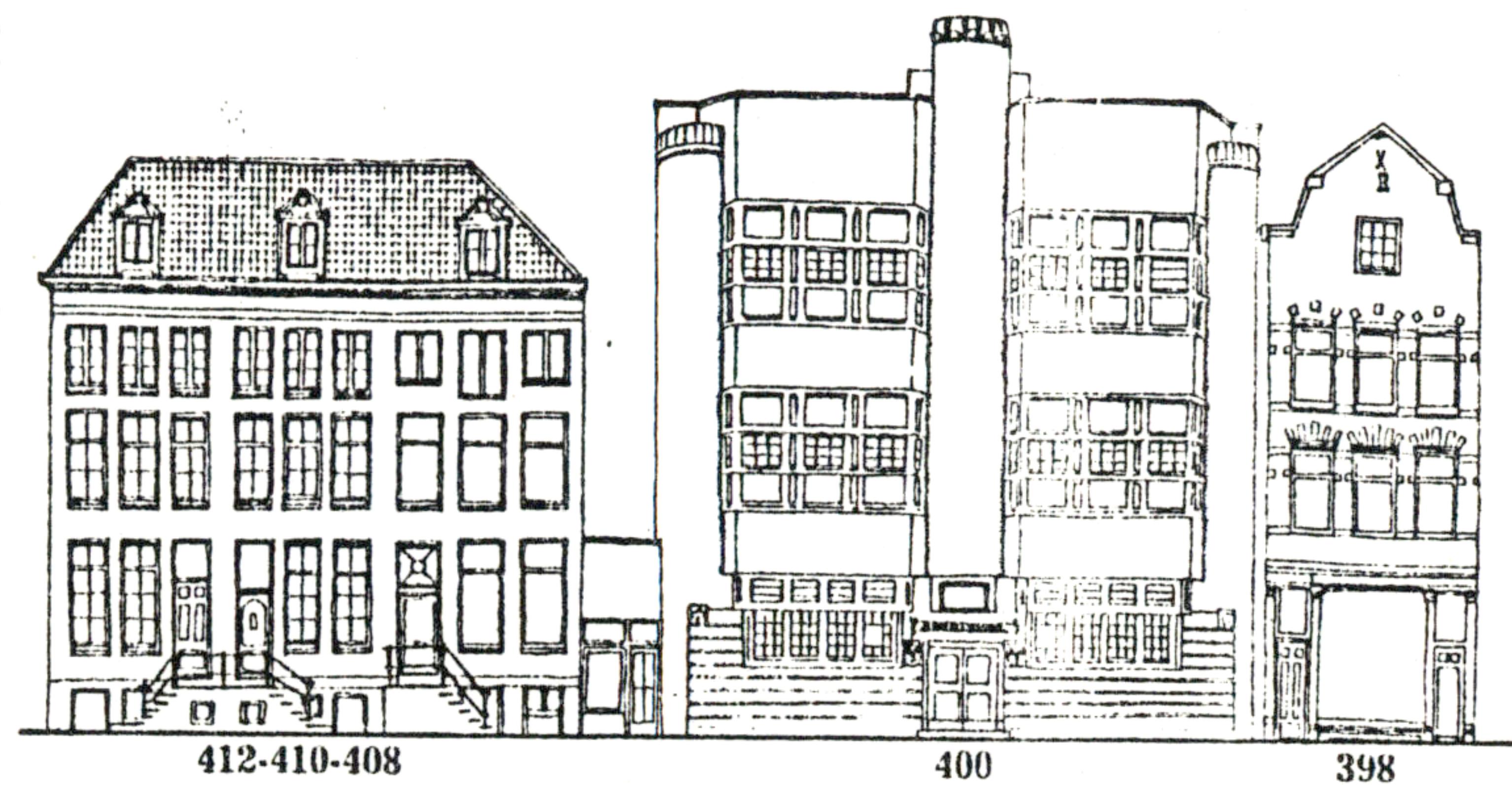
607 M. before 1861 a coach house; converted into a museum by order of the deceased owner, C.J. Wolter Simdsdorff, a judge with Kralinkhof and three host beams; remarkably preserved; original construction.

414-416 newly built in 1925; tall with brick dormer and ornamentation at the corners (so-called lisenas); accent is on windows' width (compare with no. 418); ornamentation with brick; ornamented anchors.
 418 façade with straight cornice and four consoles; dormer with hoist beam and flat-topped roof from ±1885.
 420 M. ±1860 façade with simple straight cornice and ornamented dormer.

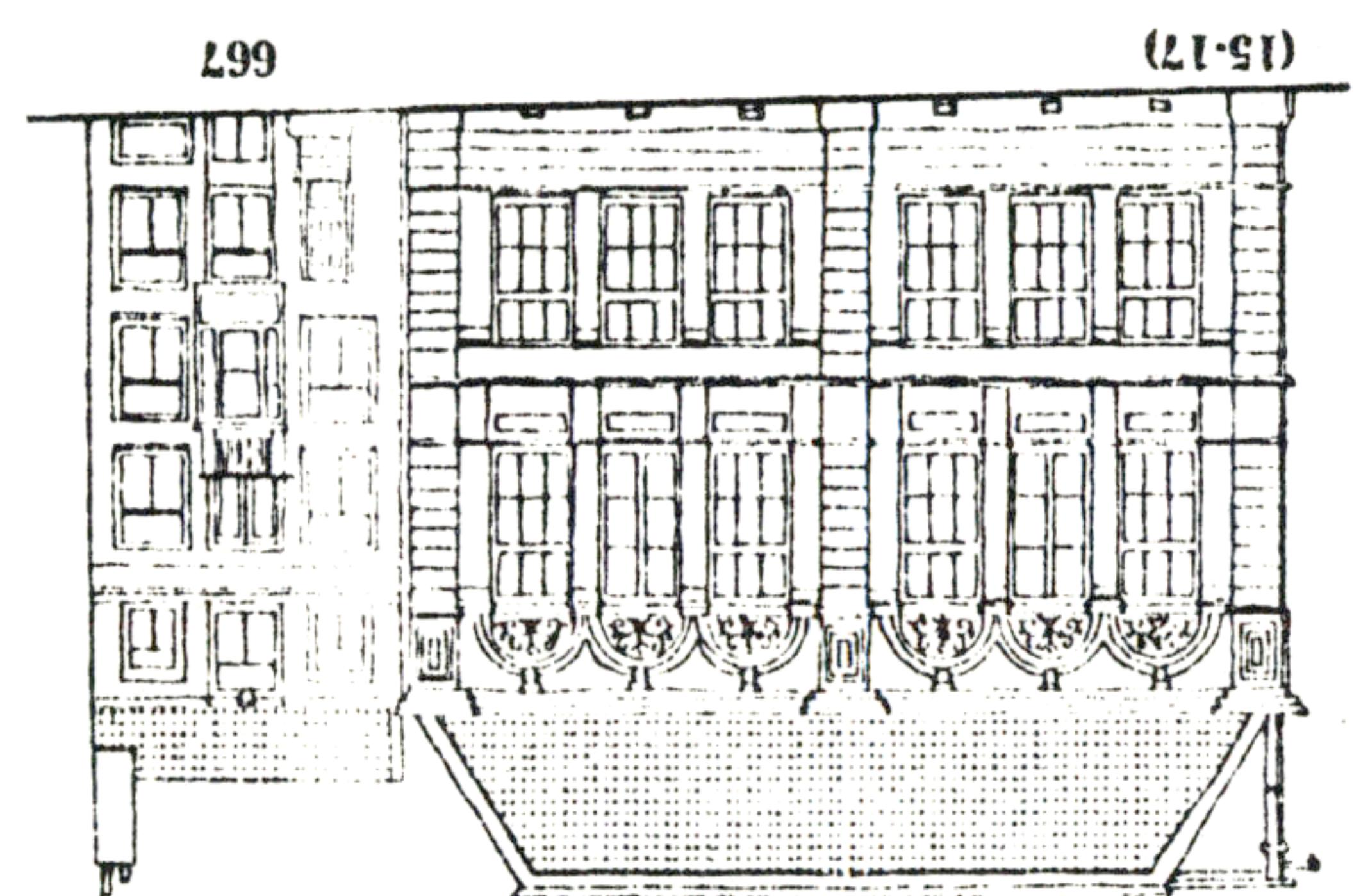


Raamstraat

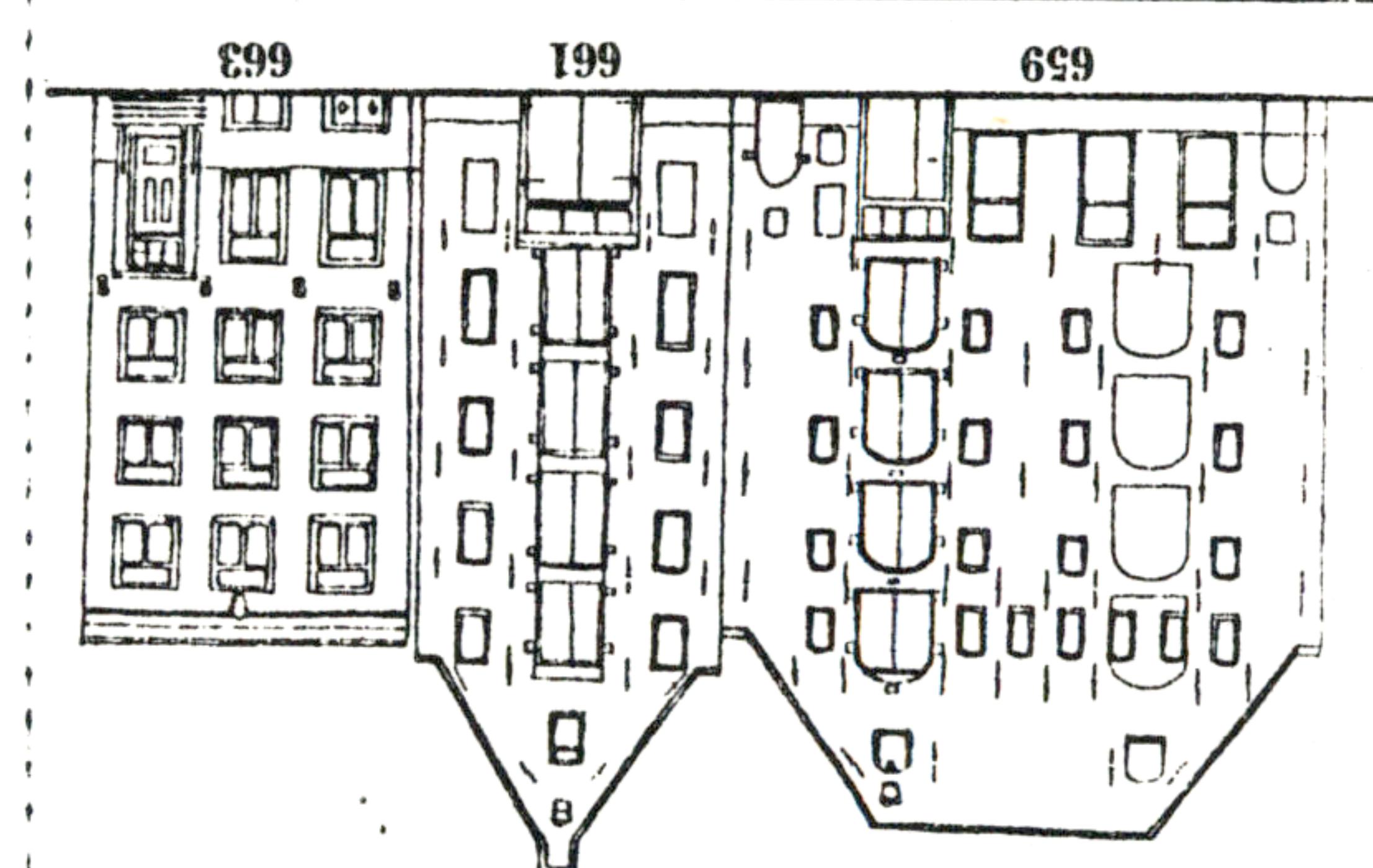
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Molenpad



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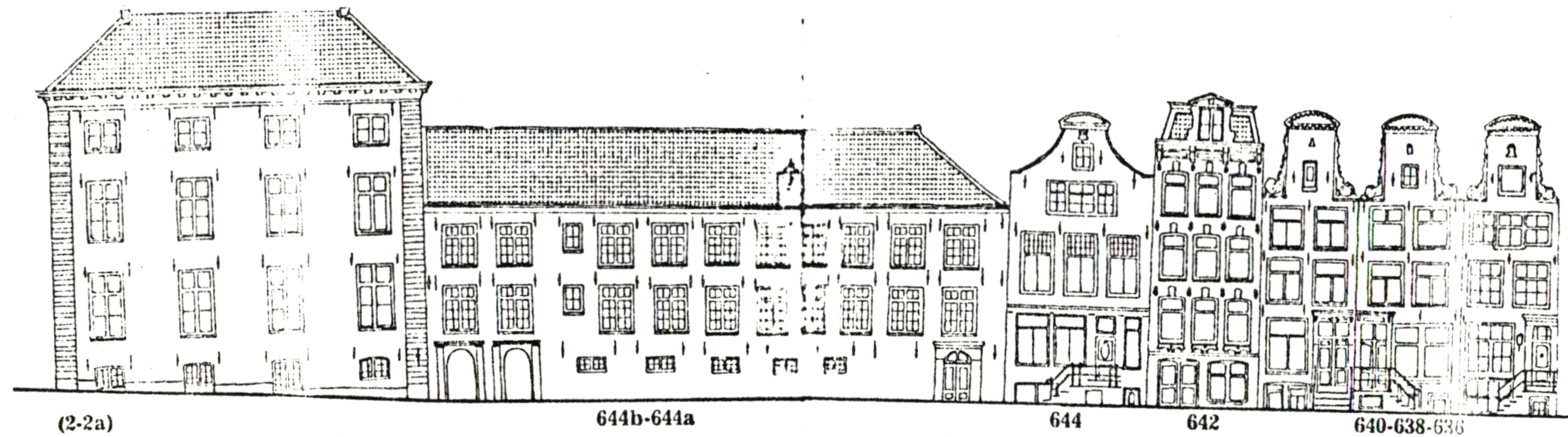
667 also a part of Leidsegracht 61; see page 282. 1850 ridge with straight cornice; transverse roof; rebuilt beginning 20thC; three dormers and bay window added.
 (Molenpad 15-17) built 1882; relieving arches above windows on last floor.

281

280

669 M. double wrenhouse front; 1640; original construction; altered here and there; part on right with hoist beam and white stone lettered lensli.
 667 door fitted later tops sobered later into trapezoidal gable.
 661 M. early 18thC wrenhouse with spout-gable; size of loft-doors indicates height of floors; once had a door for carriages.
 663 M. predominantely 19thC corner house; straight cornice and door frame early 19thC; three tiny ancillary front stoop.

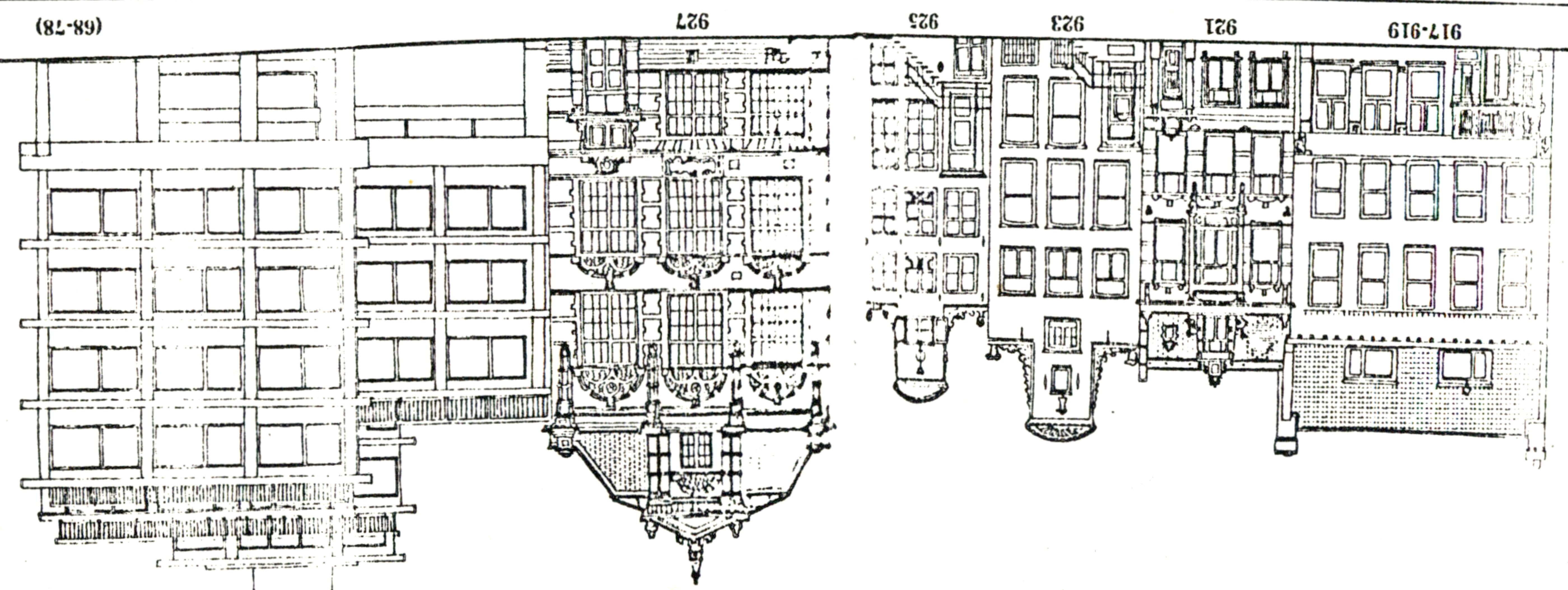
644a-644b M. these houses were part of the late 17thC 'Walenweeshuis' (orphanage); straight cornice; large transverse roof; original construction. (Vijzelgracht 2-2a) M. side façade of former 'Walenweeshuis' (orphanage); built 1669-1671 from a design by Adrian Portsman; straight cornice and large hipped roof; brick ornamentation in relief at corners (so-called lisenes); original construction.



636-638-640 M. neck-gable triplets built ±1680; no. 636 retains its large door and door frame (±1760) and an early 19thC window grouping; window grouping of nos. 638 and 640 altered 19thC; no. 640 has 19thC frontal stoop; original construction.

642 newly built in 1884 (see top) with straight cornice supported by four consoles; ornamented dormer and mansarde roof; ornamented anchors. 644 M. 17thC house (building height and wooden street front altered later); top sobered 19thC into bell-like gable; fronton reminiscent of late 17thC neck-gable; door in two parts.

644a see 644b.



917-919 newly built in 1926 with ornate reverse roof; same size windows on 1st and 2nd floors; beautiful door. 921 richly ornate facade from 1890 with bay window, supported by two corbels; dormer; hippedsome entrance on street-level (compare no. 923). 923 M. ±1690 neck-gable with fronton and shell motif, two corner vases; window grouping altered ±1750 (unique fronton and two corner bases; handsome window railing); 2nd entrance below stoop; original construction.

925 M. ±1690 neck-gable with fronton and two corner bases; handsome window railing; 2nd entrance below stoop; original construction.

Vijzelstraat 68-78) most controversial modern building in old city; dating 1967; opened 1973; designed by Prof. Duijzer (see Keizersgracht 648). Vijzelstraat 919 newly built in 1926 with neo-Renaissance features including reliefs above doors; transverse roof; statues above door; ornate street front including four arches.

917-919 newly built in 1926 with ornate street front including four statues above doors; transverse roof; same size windows on 1st and 2nd floors; beautiful door.