UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM S-1 REGISTRATION STATEMENT

Under
The Securities Act of 1933

Loar Holdings Inc.

(Exact name of Registrant as specified in its charter)

Delaware (State or other jurisdiction of incorporation or organization) 3728 (Primary Standard Industrial Classification Code Number) 82-2665180 (I.R.S. Employer Identification Number)

20 New King Street White Plains, New York 10604 (914) 909-1311

(Address, including zip code, and telephone number, including area code, of registrant's principal executive offices)

Dirkson Charles
President, Chief Executive Officer and Executive Co-Chairman
Loar Holdings Inc.
20 New King Street
White Plains, New York 10604
(914) 909-1311

(Name, address, including zip code, and telephone number, including area code, of agent for service)

Copies to:

Aslam A. Rawoof Benesch, Friedlander, Coplan & Aronoff LLP 1155 Avenue of the Americas, Floor 26 New York, New York 10036 (646) 593-7050 Michael Manella Vice President, General Counsel and Secretary Loar Holdings Inc. 20 New King Street White Plains, New York 10604 (914) 909-1311 Craig E. Marcus Tara Fisher Ropes & Gray LLP Prudential Tower 800 Boylston Street Boston, Massachusetts 02199 (617) 951-7000

Approximate date of commencement of proposed sale to the public: As soon as practicable after the effective date of this registration statement.				
f any of the securities being registered on this form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 933 check the following box.				
f this form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering. 333-283673				
f this form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act egistration statement number of the earlier effective registration statement for the same offering.				
f this form is a post-effective amendment filed pursuant to Rule 462(d) under the Securities Act, check the following box and list the Securities Act egistration number of the earlier effective registration statement for the same offering.				
ndicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, anon-accelerated filer, or a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer" "smaller reporting company" and "emerging growth				

company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer

Accelerated filer

Large accelerated filer		Accelerated filer
Non-accelerated filer	\boxtimes	Smaller reporting company
		Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act. \Box

This Registration Statement shall become effective upon filing in accordance with Rule 462(b) under the Securities Act.

EXPLANATORY NOTE AND INCORPORATION OF CERTAIN INFORMATION BY REFERENCE

Pursuant to Rule 462(b) under the Securities Act of 1933, as amended ("Securities Act"), Loar Holdings Inc. ("Registrant") is filing this Registration Statement on Form S-1 (this "Registration Statement") with the Securities and Exchange Commission ("Commission"). This Registration Statement relates to the public offering of securities contemplated by the Registration Statement on Form S-1 (File No. 333-283673) (the "Prior Registration Statement"), which the Registrant originally filed with the Commission on December 9, 2024, and which the Commission declared effective on December 10, 2024.

The Registrant is filing this Registration Statement for the sole purpose of increasing the aggregate number of shares of common stock, par value \$0.01 per share, offered in the public offering by 1,150,000 shares, 150,000 of which are subject to purchase upon exercise of the underwriters' option to purchase additional shares of the Registrant's common stock. The additional shares of common stock that are being registered for sale are in an amount and at a price that together represent no more than 20% of the maximum aggregate offering price set forth in the Filing Fee Table (Exhibit 107) contained in the Prior Registration Statement. The information set forth in the Prior Registration Statement and all exhibits to the Prior Registration Statement are incorporated by reference into this Registration Statement.

The required opinions and consents are listed on the Exhibit Index attached hereto and filed herewith.

EXHIBIT INDEX

Exhibit Number	Description
5.1	Opinion of Benesch, Friedlander, Coplan & Aronoff LLP.
23.1	Consent of Ernst & Young LLP.
23.2	Consent of Whitley Penn LLP (with respect to the Applied Avionics, Inc. consolidated financial statements).
23.3	Consent of Benesch, Friedlander, Coplan & Aronoff LLP (included in Exhibit 5.1).
24.1	Power of Attorney (incorporated by reference to Exhibit 24.1 to the Registration Statement on FormS-1 (Registration No. 333-283673)).
107	Filing Fee Table.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, as amended, the Registrant has duly caused this registration statement on Forn6-1 to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of White Plains, New York on December 10, 2024.

LOAR HOLDINGS INC.

By: /s/ Dirkson Charles

Name: Dirkson Charles

itle: President, Chief Executive Officer and Executive

Co-Chairman

Pursuant to the requirements of the Securities Act of 1933, as amended, this registration statement on FormS-1 has been signed by the following persons in the capacities and on the dates indicated.

Signature	Title	Date	
/s/ Dirkson Charles Dirkson Charles	President, Chief Executive Officer, Executive Co-Chairman and Director (principal executive officer)	December 10, 2024	
/s/ Glenn D'Alessandro Glenn D'Alessandro	Chief Financial Officer (principal accounting and financial officer)	December 10, 2024	
* David Abrams	Director	December 10, 2024	
* Raja Bobbili	Director	December 10, 2024	
* Alison Bomberg	Director	December 10, 2024	
* Anthony Carpenito	Director	December 10, 2024	
* M. Chad Crow	Director	December 10, 2024	
* Taiwo Danmola	Director	December 10, 2024	
* Paul S. Levy	Director	December 10, 2024	
* Margaret McGetrick	Director	December 10, 2024	
* Brett Milgrim	Executive Co-Chairman and Director	December 10, 2024	

*By Attorney-in-Fact

/s/ Dirkson Charles

Dirkson Charles

December 10, 2024

Loar Holdings Inc. 20 New King Street White Plains, New York 10604 RE: Form S-1 Registration Statement

Ladies and Gentlemen:

We have acted as special counsel for Loar Holdings Inc., a Delaware corporation (the "Company") in connection with (i) the Company's Registration Statement on Form S-1 (the "Initial Registration Statement") filed with the United States Securities and Exchange Commission (the "Commission") on December 9, 2024, together with all exhibits, pursuant to the Securities Act of 1933, as amended (the "Securities Act") and (ii) the second Registration Statement on Form S-1 filed by the Company pursuant to Rule 462(b) under the Securities Act (the "462(b) Registration Statement," and together with the Initial Registration Statement, the "Registration Statement"). This opinion letter is furnished to you in connection with the filing of the 462(b) Registration Statement, relating to the registration of the offer and sale by the Company of 685,833 shares (the "Company Shares") of the Company's common stock, par value \$0.01 per share (the "Common Stock") and the offer and sale by the shareholders of the Company named in the Registration Statement (the "Selling Shareholders") of an aggregate of 464,167 shares of Common Stock (the "Secondary Shares"), including up to 150,000 shares of Common Stock to be sold by the Selling Shareholders to cover the underwriters' option to purchase additional shares from the Selling Shareholders.

In connection with our acting as hereinabove described, we have examined and relied solely on originals or copies, certified or otherwise identified to our satisfaction as being true copies, of all such records of the Company, all such agreements, certificates of officers of the Company and others, and such other documents, certificates and corporate or other records as we have deemed necessary as a basis for the opinion expressed in this letter, including, without limitation, the following:

- (a) the Underwriting Agreement in the form filed as Exhibit 1.1 to the Registration Statement (the "Transaction Document");
- (b) the Certificate of Incorporation of the Company, as certified by the Secretary of State of the State of Delaware as of April 19, 2024 (the "Company Charter"), and the Bylaws of the Company, as certified by the Secretary of the Company (the "Company Bylaws"); and
- (c) the Registration Statement and all exhibits thereto.

As to facts material to the opinion expressed in this letter, we have relied on statements and certificates of officers and of state authorities and on the representations, warranties and statements contained in the Transaction Document.

In rendering the opinion expressed in this letter, we have assumed, with your permission and without any investigation on our part, that:

- (a) all signatures are genuine;
- (b) all natural persons have legal capacity;

Loar Holdings Inc. December 10, 2024 Page 2 of 5

- all writings and other records submitted to us as originals are authentic, and that all writings and other records submitted to us as certified, electronic, photostatic, or other copies, facsimiles or images conform to authentic originals;
- (d) each entity that is a party to the Transaction Document (other than the Company, as to which we make no assumption) is validly existing and in good standing as a corporate or similar organization under the laws of its jurisdiction of organization;
- (e) the Transaction Document has been duly executed and delivered by each party thereto;
- the Transaction Document will constitute the valid and binding obligation of each entity that is a party thereto, enforceable against each such entity in accordance with its terms;
- (g) the execution and delivery of, and the performance of its obligations under, the Transaction Document by each person that is a party thereto have been duly authorized by all requisite organizational action on the part of such person (except we do not make this assumption with respect to the Company);
- (h) each party has the requisite corporate or other organizational power and authority to execute, deliver, and perform such party's obligations
 under the Transaction Document to which such person is to be a party (except we do not make this assumption with respect to Company);
 and
- (i) each party to the Transaction Document has performed and will perform such party's obligations under the Transaction Document;
- the Transaction Document, together with the other contracts referred to in the Transaction Document, reflects the complete understanding of the parties thereto;
- (k) that all rights and remedies will be exercised in a commercially reasonable manner and without breach of the peace;
- (l) no approval, authorization, or consent of, or any filing with, any person, including, without limitation, any governmental authority, is required in connection with the execution, delivery, or performance and observance of, or the consummation of the transactions contemplated by, the Transaction Document by any person;
- (m) the execution, delivery, and performance of the Transaction Document and the consummation of the transactions contemplated by the Transaction Document by each person that is or is to be a party thereto (i) do not violate any order binding on, or judgment against, such person, and (ii) do not constitute a default under, and are not in conflict with, any indenture or other agreement to which such person is a party or by which its properties may be bound; and
- (n) there is no litigation against or affecting any person purportedly bound by or executing the Transaction Document which challenges the validity or enforceability of the Transaction Document or seeks to enjoin the execution, delivery, performance of, or consummation of the transactions contemplated by, the Transaction Document.

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We have investigated such questions of law for the purpose of rendering the opinion in this letter as we have deemed necessary. We express no opinion in this letter concerning any law other than the Delaware General Corporation Law ("DGCL"), which we assume to be the only applicable laws with respect to such opinion.

On the basis of and in reliance on the foregoing, and subject to the limitations, qualifications and exceptions set forth below, we are of the opinion that:

- 1. The Company Shares have been duly authorized, and when issued, delivered, and paid for in accordance with the Transaction Document, will be validly issued, fully paid and nonassessable.
 - 2. The Secondary Shares are duly authorized and validly issued and outstanding, fully paid and nonassessable.

The above opinion is subject to the following additional limitations, qualifications and exceptions:

- A. the effect and application of bankruptcy, insolvency, fraudulent conveyance, reorganization, moratorium and other laws now or hereafter in effect which relate to or limit creditors' rights and remedies generally;
- B. the effect and application of general principles of equity, whether considered in a proceeding in equity or at law;
- C. limitations imposed by or resulting from the exercise by any court of its discretion; and
- D. limitation imposed by reason of generally applicable public policy principle or considerations.

We do not assume any responsibility for the accuracy, completeness or fairness of any information, including, but not limited to, financial information, furnished to you by the Company concerning the business or affairs of the Company or any other information furnished to you of a factual nature.

We express no opinions:

- I. regarding the choice of law provisions of the Transaction Document or as to whether or not the laws of any jurisdiction will be applicable thereto;
- II. regarding any federal securities laws, rules, or regulations (including, without limitation, any laws administered by, and any rules or regulations administered or promulgated by, the United States Securities and Exchange Commission);
 - III. regarding any state securities laws, rules, or regulations (including, without limitation, any so-called "Blue Sky" laws);
- IV. regarding any antitrust and unfair competition laws and regulations, laws and regulations relating to tying arrangements, banking laws or regulations, regulations of the Board of Governors of the Federal Reserve System, or insurance laws or regulations;

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V. as to whether (a) the execution and delivery or other authentication of, the performance or observance of any provision of, or the consummation of any transactions contemplated by, the Transaction Document violates any provision of any federal or state laws, rules, regulations, or orders relating to terrorism or money laundering, including, without limitation, the Uniting and Strengthening America by Providing Appropriate Tools Required to Intercept and Obstruct Terrorism (USA Patriot Act) Act of 2001, the laws comprising or implementing the Bank Secrecy Act, the laws administered by Office of Foreign Asset Control of the Department of the Treasury of the United States of America ("OFAC") or any successor thereto, and Executive Order No. 13224 on Terrorist Financing ("Executive Order No. 13224"), or any related enabling legislation or similar executive orders, any sanctions and regulations promulgated under authority granted by the Trading with the Enemy Act, 50 U.S.C. App. 1-44, as amended from time to time, the International Emergency Economic Powers Act, 50 U.S.C. §§ 1701-06, as amended from time to time, the Iraqi Sanctions Act, Publ. L.No. 101-513; United Nations Participation Act, 22 U.S.C. § 287c, as amended from time to time, the International Security and Development Cooperation Act, 22 U.S.C. § 2349 aa-9, as amended from time to time, The Cuban Democracy Act, 22 U.S.C. §§ 6001-10, as amended from time to time, The Cuban Liberty and Democratic Solidarity Act, 18 U.S.C. §§ 2332d and 2339b, as amended from time to time, The Foreign Narcotics Kingpin Designation Act, Publ. L. No. 106-120, and The Countering America's Adversaries Through Sanctions Act, Publ. L. No. 115-44 - H.R. 3364 (all as amended from time to time), or any rules or regulations promulgated under any of the foregoing, or any orders relating to any of the foregoing, or (b) whether any person that is or is to be a party to any of the Transaction Document is (i) a person that is listed in the annex to, or is otherwise subject to the provisions of, Executive Order No. 13224, (ii) a person that is owned or controlled by, or acting for or on behalf of, any person that is listed in the annex to, or is otherwise subject to the provisions of, Executive Order No. 13224, (iii) a person with which any other person is prohibited from dealing or otherwise engaging in any transaction, (iv) a person that commits, threatens or conspires to commit or supports "terrorism" as defined in the Executive Order No. 13224, (v) a person that is named as a "specially designated national" on the most current list published by OFAC, or (vi) a person who is affiliated or associated with any person described in the foregoing clauses (i) through (v), inclusive;

VI. as to whether the execution and delivery or other authentication of, the performance or observance of any provision of, or the consummation of any transactions contemplated by, the Transaction Document or any thereof constitutes a "covered transaction" subject to the jurisdiction of and review by The Committee on Foreign Investment in the United States pursuant to Section 721 of the Defense Production Act of 1950, as amended by the Foreign Investment and National Security of 2007, as amended by The Foreign Investment Risk Review Modernization Act of 2018, as any of the foregoing may be amended from time to time, or any related enabling legislation, or any rules or regulations promulgated under any of the foregoing, or any orders relating to any of the foregoing; or

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VII. regarding compliance with fiduciary duty requirements.

We hereby consent to the filing of this opinion letter as Exhibit 5.1 to the 462(b) Registration Statement and to the reference to our firm under the caption "Legal Matters" in the prospectus included in the Registration Statement. In giving such consent, we do not thereby admit that we are within the category of persons whose consent is required under Section 7 of the Act or the rules and regulations of the Commission. The opinion so rendered may not be relied upon for any other purpose, or relied upon by any other person, firm, or entity for any purpose. This letter may not be paraphrased or summarized, nor may it be duplicated, quoted or reproduced in part.

Very truly yours,

/s/ Benesch, Friedlander, Coplan & Aronoff LLP BENESCH, FRIEDLANDER, COPLAN & ARONOFF LLP

Consent of Independent Registered Public Accounting Firm

We consent to the incorporation by reference in the Registration Statement on FormS-1 filed pursuant to Rule 462(b) of the Securities Act of 1933 of the reference to our firm under the caption "Experts" and to the incorporation by reference of our report dated April 2, 2024 (except Note 19, as to which the date is April 23, 2024), with respect to the consolidated financial statements of Loar Holdings LLC included in the Registration Statement (Form S-1 No. 333-283673) and related Prospectus of Loar Holdings Inc. for the registration of its common stock.

/s/ Ernst & Young LLP

Stamford, CT

December 10, 2024

CONSENT OF INDEPENDENT AUDITORS

We consent to the use in the Prospectus constituting a part of this Registration Statement of our report dated September 10, 2024, with respect to the financial statements of Applied Avionics, Inc., as of and for the year ended December 27, 2023, which is contained in the Registration Statement on Form S-1 (No. 333-283673) incorporated by reference in this Registration Statement. We also consent to the reference to our firm under the heading "Experts" in the registration statement on Form S-1 (No. 333-283673) incorporated by reference in this Registration Statement.

/s/ Whitley Penn LLP

Fort Worth, Texas December 10, 2024

Calculation of Filing Fee Table

Form S-1 (Form Type)

Loar Holdings Inc.

(Exact Name of Registrant as Specified in its Charter)

Table 1: Newly Registered and Carry Forward Securities

	Security Type	Security Class Title	Fee Calculation or Carry Forward Rule	Amount Registered(1)	Proposed Maximum Offering Price Per Unit(2)	Maximum Aggregate Offering Price(1)(2)	Fee Rate	Amount of Registration Fee(3)	
Newly Registered Securities									
Fees to Be Paid	Equity	Common stock, \$0.01 par value per share	Rule 457(a)	1,150,000	\$85.00	\$97,750,000	\$153.10 per \$1,000,000	\$14,965.53	
Fees Previously Paid						_			
Carry Forward Securities									
Carry Forward Securities	_	_	_			_	_	_	
		Total Offering Amounts				\$97,750,000		\$14,965.53	
		Total Fees Previously Paid						_	
		Total Fee Offsets							
		Net Fee Due						\$14,965.53	

- (1) Represents only the additional number of shares being registered and includes 150,000 shares of common stock that the underwriters have the option to purchase. Does not include the securities that the Registrant previously registered on the Registration Statement on Form S-1 (File No. 333-283673), as amended (the "Prior Registration Statement").
- (2) Estimated solely for the purpose of computing the registration fee in accordance with Rule 457(a) under the Securities Act of 1933, as amended (the "Securities Act").
- (3) The registration fee is calculated in accordance with Rule 457(a) under the Securities Act based on the proposed maximum aggregate offering price. The registrant previously registered securities on the Prior Registration Statement having a proposed maximum aggregate offering price of \$494,137,750, which was declared effective by the Securities and Exchange Commission on December 10, 2024. In accordance with Rule 462(b) under the Securities Act, an additional amount of securities having a proposed maximum aggregate offering price of \$97,750,000 is hereby registered, which includes shares issuable upon the exercise of the underwriters' option to purchase additional shares.